

Actin	DNA (Structure)	Myosin	Selen
Amyloidosis	Electron tomography	Nanomedicine	Semiconductor
Angiogenesis	Enzyme structure and chemistry	Natural products	Sequencing (Nucleic acids)
Aquaporin	Fluorophore	Neutrons	Spin label
Bacteriophage	FRET microscopy	Oligosaccharides	Structure det. tissue level to single molecule localization
Bicelles (Biomembran)	Glycome	Optics and waves	
Bioinformatics	Immunofluorescence	Protein (folding)	Structure determination at molecular level and finer
Biomembranes (BASKET)	Fluorochrome	Protein (Ontology and function prediction)	
Bose Einstein condensation	Interventional radiology	Protein (protein binding)	Surface plasmon resonance
Catalysts	Laser (Physics)	Protein (ptm lipidate)	Synchrotron radiation
Cell (Biomechanics)	Lysozyme	Quantum dot	THz imaging terahertz
Chromatin	Magnetic circular dichroism	Raman spectroscopy	TRPP2
Chromosome (BASKET)	MALDI imaging mass spectrometry	Restriction endonuclease	TRPV4
Data base (Medicine Biology Pharmacology)	Mass spectrometry	RNA (Polymerase)	Virus (BASKET)
DNA (binding proteins)	Mechanics of fluids	RNA (Structure)	X rays
	Microfluidics		

- 2005 Introduction to 3D reconstruction of macromolecules using single particle electron microscopy.**
1 [16174429] Acta Pharmacol Sin 26(10):1153-64 (2005)
- 2001 Critically assessing the state-of-the-art in protein structure prediction.**
2 [11911439] Pharmacogenomics J 1(2):126-34 (2001)
- 2008 A comparative study of the reported performance of ab initio protein structure prediction algorithms.**
3 [18077243] J R Soc Interface 5(21):387-96 (2008)
- 2008 Problems in fitting high resolution structures into electron microscopic reconstructions.**
4 [19436497] HFSP J 2(6):324-31 (2008)
- 2008 Studying the folding of multidomain proteins.**
5 [19436439] HFSP J 2(6):365-77 (2008)
- 2007 Attaching a spin to a protein -- site-directed spin labeling in structural biology.**
6 [17565387] Acta Biochim Pol 54(2):235-44 (2007)
- 2005 Protein modeling with reduced representation: statistical potentials and protein folding mechanism.**
7 [15933762] Acta Biochim Pol 52(4):741-8 (2005)
- 2004 Protein modeling and structure prediction with a reduced representation.**
8 [15218533] Acta Biochim Pol 51(2):349-71 (2004)
- 2004 Probing protein structure by limited proteolysis.**
9 [15218531] Acta Biochim Pol 51(2):299-321 (2004)
- 2001 Methods of peptide conformation studies.**
10 [11995971] Acta Biochim Pol 48(4):1091-9 (2001)
- 1999 Folding initiation sites and protein folding.**
11 [10698262] Acta Biochim Pol 46(3):487-508 (1999)
- 1996 Applications of impedance spectroscopy in biochemistry and biophysics.**
12 [8862179] Acta Biochim Pol 43(2):339-48 (1996)
- 1995 Rapid non-empirical approaches for estimating relative binding free energies.**
13 [8852343] Acta Biochim Pol 42(4):525-35 (1995)
- 1991 Modelling of structure and function of proteins and nucleic acids.**
14 [1799109] Acta Biochim Pol 38(3):281-93 (1991)
- 2008 Visualizing lowly-populated regions of the free energy landscape of macromolecular complexes by paramagnetic relaxation enhancement.**
15 [18931781] Mol Biosyst 4(11):1058-69 (2008)
- 2009 Domain-elongation NMR spectroscopy yields new insights into RNA dynamics and adaptive recognition.**
16 [19776156] RNA 15(11):1941-8 (2009)
- 2006 Statistical and Bayesian approaches to RNA secondary structure prediction.**
17 [16495231] RNA 12(3):323-31 (2006)
- 2003 Ab initio protein structure prediction using pathway models.**
18 [18629080] Comp Funct Genomics 4(4):397-401 (2003)

2008 Structure-based function prediction: approaches and applications.
 19 [18599513] *Brief Funct Genomic Proteomic* 7(4):291-302 (2008)
2006 Towards genome-scale structure prediction for transmembrane proteins.
 20 [16524835] *Philos Trans R Soc Lond B Biol Sci* 361(1467):465-75 (2006)
2006 Prediction and design of macromolecular structures and interactions.
 21 [16524834] *Philos Trans R Soc Lond B Biol Sci* 361(1467):459-63 (2006)
2006 Rigorous performance evaluation in protein structure modelling and implications for computational biology.
 22 [16524833] *Philos Trans R Soc Lond B Biol Sci* 361(1467):453-8 (2006)
2006 Exploiting protein structure data to explore the evolution of protein function and biological complexity.
 23 [16524831] *Philos Trans R Soc Lond B Biol Sci* 361(1467):425-40 (2006)
2006 Structural biology and bioinformatics in drug design: opportunities and challenges for target identification and lead discovery.
 24 [16524830] *Philos Trans R Soc Lond B Biol Sci* 361(1467):413-23 (2006)
2005 Quantum chemical studies of protein structure.
 25 [16147526] *Philos Trans R Soc Lond B Biol Sci* 360(1458):1347-61 (2005)
2009 Bioinformatic approaches for the structure and function of membrane proteins.
 26 [19944009] *BMB Rep* 42(11):697-704 (2009)
2008 Application of hybrid LRR technique to protein crystallization.
 27 [18510864] *BMB Rep* 41(5):353-7 (2008)
1986 Infra-red and Raman spectroscopic studies of enzyme structure and function.
 28 [3513759] *Biochem J* 233(1):25-36 (1986)
1985 The study of conformational states of proteins by nuclear magnetic resonance.
 29 [2998335] *Biochem J* 231(1):1-10 (1985)
1990 Three-dimensional structures of proteins determined by two-dimensional NMR and distance geometry calculations.
 30 [2085839] *Cell Struct Funct* 15(5):237-43 (1990)
1999 Raman spectroscopy, the sleeping giant in structural biology, awakes.
 31 [10480862] *J Biol Chem* 274(38):26625-8 (1999)
1990 Protein structure determination in solution by NMR spectroscopy.
 32 [2266107] *J Biol Chem* 265(36):22059-62 (1990)
1992 Computer programs to identify and classify amphipathic alpha helical domains.
 33 [1569380] *J Lipid Res* 33(2):287-96 (1992)
2000 x ray crystallography.
 34 [10884915] *Mol Pathol* 53(1):8-14 (2000)
2005 Practical lessons from protein structure prediction.
 35 [15805122] *Nucleic Acids Res* 33(6):1874-91 (2005)
2005 Ab initio molecular dynamics: concepts, recent developments, and future trends.
 36 [15870204] *Proc Natl Acad Sci U S A* 102(19):6654-9 (2005)
1994 The emergence of mass spectrometry in biochemical research.
 37 [7972052] *Proc Natl Acad Sci U S A* 91(24):11290-7 (1994)
2002 Protein folding and unfolding at atomic resolution.
 38 [11909527] *Cell* 108(4):573-82 (2002)
2005 Solution nuclear magnetic resonance spectroscopy techniques for probing intermolecular interactions.
 39 [16183020] *Chem Biol* 12(9):961-71 (2005)
1999 Structure prediction: The state of the art.
 40 [10209093] *Curr Biol* 9(6):R205-9 (1999)
1998 Protein NMR spectroscopy.
 41 [9601630] *Curr Biol* 8(10):R331-3 (1998)
1995 Structure prediction. How good are we?
 42 [7583096] *Curr Biol* 5(5):488-90 (1995)
2003 NMR solution structure determination of membrane proteins reconstituted in detergent micelles.
 43 [14630335] *FEBS Lett* 555(1):144-50 (2003)
2003 Some recent contributions of FTIR difference spectroscopy to the study of cytochrome oxidase.
 44 [14630310] *FEBS Lett* 555(1):2-7 (2003)
2002 The direct determination of protein structure by NMR without assignment.
 45 [11755519] *FEBS Lett* 510(1-2):1-4 (2002)
2001 Two-dimensional crystallization of membrane proteins: the lipid layer strategy.
 46 [11532452] *FEBS Lett* 504(3):187-93 (2001)
2001 Molecular mechanism for the crystallization of bacteriorhodopsin in lipidic cubic phases.
 47 [11532451] *FEBS Lett* 504(3):179-86 (2001)
2001 Two-dimensional crystals: a powerful approach to assess structure, function and dynamics of membrane proteins.
 48 [11532449] *FEBS Lett* 504(3):166-72 (2001)
2001 Solid-state NMR investigations of interaction contributions that determine the alignment of helical polypeptides in biological membranes.
 49 [11532448] *FEBS Lett* 504(3):161-5 (2001)
2000 Substrate binding and enzyme function investigated by infrared spectroscopy.
 50 [10908712] *FEBS Lett* 477(3):151-6 (2000)
1998 Mapping flexible protein domains at subnanometer resolution with the atomic force microscope.
 51 [9678604] *FEBS Lett* 430(1-2):105-11 (1998)
1994 Rapid validation of molecular structures of biological samples by electrospray-mass spectrometry.
 52 [8143839] *FEBS Lett* 342(1):1-6 (1994)
1985 Probing the three-dimensional structures of DNA and RNA oligonucleotides in solution

53 by nuclear Overhauser enhancement measurements.
 [2981703] FEBS Lett 179(2):187-98 (1985)

2005 **Protein structure prediction: inroads to biology.**
 54 [16364908] Mol Cell 20(6):811-9 (2005)

2006 **Oligomeric structure, dynamics, and orientation of membrane proteins from solid-state NMR.**
 55 [17161364] Structure 14(12):1731-40 (2006)

2000 **Does NMR mean "not for molecular replacement"? Using NMR-based search models to solve protein crystal structures.**
 56 [11080645] Structure 8(11):R213-20 (2000)

2000 **Screening for phasing atoms in protein crystallography.**
 57 [10903954] Structure 8(7):R143-9 (2000)

2000 **Strategies for macromolecular synchrotron crystallography.**
 58 [10801499] Structure 8(5):R105-10 (2000)

1999 **Establishing a degree of order: obtaining high-resolution NMR structures from molecular alignment.**
 59 [10610262] Structure 7(9):R205-11 (1999)

1999 **New tricks for modelers from the crystallography toolkit: the particle mesh Ewald algorithm and its use in nucleic acid simulations.**
 60 [10368306] Structure 7(3):R55-60 (1999)

1998 **Crystallographic water sites from a theoretical perspective.**
 61 [9817850] Structure 6(11):1351-4 (1998)

1997 **New applications of simulated annealing in X-ray crystallography and solution NMR.**
 62 [9083112] Structure 5(3):325-36 (1997)

1996 **Diffraction data deposition.**
 63 [8805528] Structure 4(2):217 (1996)

1996 **Third-generation synchrotron radiation X-ray optics.**
 64 [8805526] Structure 4(2):121-5 (1996)

1995 **The use of antibody fragments for crystallization and structure determinations.**
 65 [8747455] Structure 3(12):1291-3 (1995)

1995 **Weighing the evidence for structure: electrospray ionization mass spectrometry of proteins.**
 66 [8535780] Structure 3(9):861-5 (1995)

1995 **The science of macromolecular crystallization.**
 67 [7582893] Structure 3(8):759-68 (1995)

1998 **Recommendations for the presentation of NMR structures of proteins and nucleic acids--IUPAC-IUBMB-IUPAB Inter-Union Task Group on the standardization of data bases of protein and nucleic acid structures determined by NMR spectroscopy.**
 68 [9746340] Eur J Biochem 256(1):1-15 (1998)

1990 **Current approaches to macromolecular crystallization.**
 69 [2185018] Eur J Biochem 189(1):1-23 (1990)

1989 **NMR studies of mobility within protein structure.**
 70 [2673776] Eur J Biochem 183(3):479-97 (1989)

1988 **Nucleic acids and nuclear magnetic resonance.**
 71 [3060357] Eur J Biochem 178(1):1-38 (1988)

2008 **Mass spectrometry and the emerging field of glycomics.**
 72 [18804025] Chem Biol 15(9):881-92 (2008)

2003 **Electrospray ionisation mass spectrometry: principles and clinical applications.**
 73 [18568044] Clin Biochem Rev 24(1):3-12 (2003)

2008 **Molecular breast imaging: use of a dual-head dedicated gamma camera to detect small breast tumors.**
 74 [19020253] AJR Am J Roentgenol 191(6):1805-15 (2008)

2007 **Imaging of angiogenesis: clinical techniques and novel imaging methods.**
 75 [17179341] AJR Am J Roentgenol 188(1):11-23 (2007)

2000 **Quantitative characterization of reversible macromolecular associations via sedimentation equilibrium: an introduction.**
 76 [10762054] Exp Mol Med 32(1):1-5 (2000)

2007 **Glutamate receptors as seen by light: spectroscopic studies of structure-function relationships.**
 77 [17934637] Braz J Med Biol Res 40(11):1419-27 (2007)

2010 **Selenium incorporation using recombinant techniques.**
 78 [20382987] Acta Crystallogr D Biol Crystallogr 66(Pt 4):352-7 (2010)

2007 **So how do you know you have a macromolecular complex?**
 79 [17164522] Acta Crystallogr D Biol Crystallogr 63(Pt 1):17-25 (2007)

2007 **Computational analyses of the surface properties of protein-protein interfaces.**
 80 [17164526] Acta Crystallogr D Biol Crystallogr 63(Pt 1):50-7 (2007)

2007 **An introduction to stereochemical restraints.**
 81 [17164527] Acta Crystallogr D Biol Crystallogr 63(Pt 1):58-61 (2007)

2007 **The use of biophysical methods increases success in obtaining liganded crystal structures.**
 82 [17164528] Acta Crystallogr D Biol Crystallogr 63(Pt 1):62-71 (2007)

2007 **Crystallization of protein-ligand complexes.**
 83 [17164529] Acta Crystallogr D Biol Crystallogr 63(Pt 1):72-9 (2007)

2008 **Sequence alignment for molecular replacement.**
 84 [18094464] Acta Crystallogr D Biol Crystallogr 64(Pt 1):25-32 (2008)

2008 **The before and afters of molecular replacement.**
 85 [18094463] Acta Crystallogr D Biol Crystallogr 64(Pt 1):17-24 (2008)

2010 **X-ray structure of perdeuterated diisopropyl fluorophosphatase (DFPase): perdeuteration of proteins for neutron diffraction.**
 86 [20383004] Acta Crystallogr Sect F Struct Biol Cryst Commun 66(Pt 4):379-85 (2010)

2008 **Validation of macromolecular structures: updating standards for publication of NMR**

- 87 structures in an IUCr journal.
[18259050] *Acta Crystallogr Sect F Struct Biol Cryst Commun* 64(Pt 2):63 (2008)
- 2010 **Present and future of membrane protein structure determination by electron**
- 88 **crystallography.**
[21115172] *Adv Protein Chem Struct Biol* 81(-):33-60 (2010)
- 2007 **Fourier transform infrared spectroscopic analysis of protein secondary structures.**
- 89 [17687489] *Acta Biochim Biophys Sin (Shanghai)* 39(8):549-59 (2007)
- 2010 **Personal remarks on the future of protein crystallography and structural biology.**
- 90 [20725645] *Acta Biochim Pol* 57(3):261-4 (2010)
- 2011 **Near-atomic resolution reconstructions of icosahedral viruses from electron cryo-**
- 91 **microscopy.**
[21333526] *Curr Opin Struct Biol* 21(2):265-73 (2011)
- 2010 **Unmet challenges of structural genomics.**
- 92 [20810277] *Curr Opin Struct Biol* 20(5):587-97 (2010)
- 2010 **Higher throughput calorimetry: opportunities, approaches and challenges.**
- 93 [20888754] *Curr Opin Struct Biol* 20(5):598-605 (2010)
- 2008 **Protein dynamics from time resolved UV Raman spectroscopy.**
- 94 [18606227] *Curr Opin Struct Biol* 18(5):623-9 (2008)
- 2008 **Neutron crystallography: opportunities, challenges, and limitations.**
- 95 [18656544] *Curr Opin Struct Biol* 18(5):593-600 (2008)
- 2008 **Overcoming the challenges of membrane protein crystallography.**
- 96 [18674618] *Curr Opin Struct Biol* 18(5):581-6 (2008)
- 2010 **Bridging the solution divide: comprehensive structural analyses of dynamic RNA, DNA,**
- 97 **and protein assemblies by small-angle X-ray scattering.**
[20097063] *Curr Opin Struct Biol* 20(1):128-37 (2010)
- 2010 **Understanding biology by stretching proteins: recent progress.**
- 98 [20138503] *Curr Opin Struct Biol* 20(1):63-9 (2010)
- 2007 **Revival of electron crystallography.**
- 99 [17723294] *Curr Opin Struct Biol* 17(4):389-95 (2007)
- 2007 **Synergy within structural biology of single crystal optical spectroscopy and X-ray**
- 100 **crystallography.**
[17959373] *Curr Opin Struct Biol* 17(5):580-6 (2007)
- 2007 **Electron tomography of viruses.**
- 101 [17964134] *Curr Opin Struct Biol* 17(5):596-602 (2007)
- 2007 **Elucidating transient macromolecular interactions using paramagnetic relaxation**
- 102 **enhancement.**
[17913493] *Curr Opin Struct Biol* 17(5):603-16 (2007)
- 2009 **Convergence and combination of methods in protein-protein docking.**
- 103 [19327983] *Curr Opin Struct Biol* 19(2):164-70 (2009)
- 2009 **Hybrid approaches: applying computational methods in cryo-electron microscopy.**
- 104 [19339173] *Curr Opin Struct Biol* 19(2):218-25 (2009)
- 2009 **Engineering of recombinant crystallization chaperones.**
- 105 [19477632] *Curr Opin Struct Biol* 19(4):449-57 (2009)
- 2009 **Lipid-protein interactions probed by electron crystallography.**
- 106 [19679462] *Curr Opin Struct Biol* 19(5):560-5 (2009)
- 2009 **Recent developments in phasing and structure refinement for macromolecular**
- 107 **crystallography.**
[19700309] *Curr Opin Struct Biol* 19(5):566-72 (2009)
- 2008 **Towards atomic resolution structural determination by single-particle cryo-electron**
- 108 **microscopy.**
[18403197] *Curr Opin Struct Biol* 18(2):218-28 (2008)
- 2008 **Experimental approaches for solution X-ray scattering and fiber diffraction.**
- 109 [18801437] *Curr Opin Struct Biol* 18(5):601-8 (2008)
- 2008 **Electron crystallography of proteins in membranes.**
- 110 [18755273] *Curr Opin Struct Biol* 18(5):587-92 (2008)
- 2009 **Exploring conformational modes of macromolecular assemblies by multiparticle cryo-**
- 111 **EM.**
[19767196] *Curr Opin Struct Biol* 19(5):623-31 (2009)
- 2009 **High-throughput crystallography for structural genomics.**
- 112 [19765976] *Curr Opin Struct Biol* 19(5):573-84 (2009)
- 2009 **Membrane protein structure determination using cryo-electron tomography and 3D**
- 113 **image averaging.**
[19646859] *Curr Opin Struct Biol* 19(4):402-7 (2009)
- 2008 **Protein folding studied by single-molecule FRET.**
- 114 [18221865] *Curr Opin Struct Biol* 18(1):16-26 (2008)
- 2010 **A method for solution NMR structural studies of large integral membrane proteins:**
- 115 **reverse micelle encapsulation.**
[19665988] *Biochim Biophys Acta* 1798(2):150-60 (2010)
- 2010 **Infrared reflection-absorption spectroscopy: principles and applications to lipid-protein**
- 116 **interaction in Langmuir films.**
[20004639] *Biochim Biophys Acta* 1798(4):788-800 (2010)
- 2007 **Solution NMR of membrane proteins in bilayer mimics: small is beautiful, but**
- 117 **sometimes bigger is better.**
[17961504] *Biochim Biophys Acta* 1768(12):3098-106 (2007)
- 2005 **Fluorescence methods to detect phase boundaries in lipid bilayer mixtures.**
- 118 [15992943] *Biochim Biophys Acta* 1746(3):186-92 (2005)
- 2010 **Interventional molecular imaging.**
- 119 [20177082] *Radiology* 254(3):651-4 (2010)
- 2003 **Atomic force microscopy of actin.**
- 120 [12796807] *Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai)* 35(6):489-94 (2003)
- 2004 **The structure of the rigor complex and its implications for the power stroke.**

121 [15647158] Philos Trans R Soc Lond B Biol Sci 359(1452):1819-28 (2004)

2002 **From structure to mechanism: electron crystallographic studies of bacteriorhodopsin.**

122 [12804283] Philos Transact A Math Phys Eng Sci 360(1794):859-74 (2002)

2002 **Phase recovery and lensless imaging by iterative methods in optical, X-ray and electron diffraction.**

123 [12804284] Philos Transact A Math Phys Eng Sci 360(1794):875-95 (2002)

2002 **Electron interference: mystery and reality.**

124 [12804285] Philos Transact A Math Phys Eng Sci 360(1794):897-920 (2002)

2002 **A review of recent work in sub-nanometre displacement measurement using optical and X-ray interferometry.**

125 [12804288] Philos Transact A Math Phys Eng Sci 360(1794):953-68 (2002)

2002 **Computational challenges in atomic, molecular and optical physics.**

126 [12804270] Philos Transact A Math Phys Eng Sci 360(1795):1135-47 (2002)

2010 **Micrographia of the twenty-first century: from camera obscura to 4D microscopy.**

127 [20123754] Philos Transact A Math Phys Eng Sci 368(1914):1191-204 (2010)

2005 **Bose-Einstein condensates and precision measurements.**

128 [16147504] Philos Transact A Math Phys Eng Sci 363(1834):2165-75 (2005)

2004 **Tip-enhanced optical spectroscopy.**

129 [15306495] Philos Transact A Math Phys Eng Sci 362(1817):807-19 (2004)

2004 **Near-field optical patterning and structuring based on local-field enhancement at the extremity of a metal tip.**

130 [15306496] Philos Transact A Math Phys Eng Sci 362(1817):821-42 (2004)

2004 **Ultrafast near-field spectroscopy of single semiconductor quantum dots.**

131 [15306498] Philos Transact A Math Phys Eng Sci 362(1817):861-79 (2004)

2004 **Nano-optics with single quantum systems.**

132 [15306499] Philos Transact A Math Phys Eng Sci 362(1817):881-99 (2004)

2004 **The scanning tunnelling microscope as an operative tool: doing physics and chemistry with single atoms and molecules.**

133 [15306472] Philos Transact A Math Phys Eng Sci 362(1819):1207-16 (2004)

2004 **Atomic-scale STM experiments on semiconductor surfaces: towards molecular nanomachines.**

134 [15306473] Philos Transact A Math Phys Eng Sci 362(1819):1217-26 (2004)

2004 **Optics at the nanometre scale.**

135 [15306489] Philos Transact A Math Phys Eng Sci 362(1817):701-17 (2004)

2004 **Near-field photonic forces.**

136 [15306490] Philos Transact A Math Phys Eng Sci 362(1817):719-37 (2004)

2004 **All-optoelectronic continuous-wave terahertz systems.**

137 [15306519] Philos Transact A Math Phys Eng Sci 362(1815):263-79; discussion 279-81 (2004)

2004 **Three-dimensional terahertz wave imaging.**

138 [15306520] Philos Transact A Math Phys Eng Sci 362(1815):283-98; discussion 298-9 (2004)

2004 **Label-free THz sensing of genetic sequences: towards 'THz biochips'.**

139 [15306523] Philos Transact A Math Phys Eng Sci 362(1815):323-33; discussion 333-5 (2004)

2004 **Raman spectroscopy of graphite.**

140 [15482979] Philos Transact A Math Phys Eng Sci 362(1824):2271-88 (2004)

2004 **Raman scattering of non-planar graphite: arched edges, polyhedral crystals, whiskers and cones.**

141 [15482980] Philos Transact A Math Phys Eng Sci 362(1824):2289-310 (2004)

2004 **Raman spectroscopy of fullerenes and fullerene-nanotube composites.**

142 [15482984] Philos Transact A Math Phys Eng Sci 362(1824):2375-406 (2004)

2004 **Raman spectroscopy of amorphous, nanostructured, diamond-like carbon, and nanodiamond.**

143 [15482988] Philos Transact A Math Phys Eng Sci 362(1824):2477-512 (2004)

2004 **Scanning tunnelling microscopy of carbon nanotubes.**

144 [15370477] Philos Transact A Math Phys Eng Sci 362(1823):2187-203 (2004)

2004 **'Molecular photography': velocity-map imaging of chemical events.**

145 [15539360] Philos Transact A Math Phys Eng Sci 362(1825):2591-609 (2004)

2005 **The energy landscape as a unifying theme in molecular science.**

146 [15664888] Philos Transact A Math Phys Eng Sci 363(1827):357-75; discussion 375-7 (2005)

2005 **Towards complete descriptions of the free-energy landscapes of proteins.**

147 [15664892] Philos Transact A Math Phys Eng Sci 363(1827):433-50; discussion 450-2 (2005)

2005 **Energy landscapes and solved protein-folding problems.**

148 [15664893] Philos Transact A Math Phys Eng Sci 363(1827):453-64; discussion 464-7 (2005)

2005 **Experimental configurational landscapes in aqueous solutions.**

149 [15664894] Philos Transact A Math Phys Eng Sci 363(1827):469-90; discussion 490-2 (2005)

2005 **Static and dynamic heterogeneities in water.**

150 [15664896] Philos Transact A Math Phys Eng Sci 363(1827):509-23 (2005)

2005 **Exploring the temperature-pressure configurational landscape of biomolecules: from lipid membranes to proteins.**

151 [15664898] Philos Transact A Math Phys Eng Sci 363(1827):537-62; discussion 562-3 (2005)

2005 **Physical landscapes in biological membranes: physico-chemical terrains for spatio-temporal control of biomolecular interactions and behaviour.**

152 [15664900] Philos Transact A Math Phys Eng Sci 363(1827):575-88 (2005)

2005 **Diffraction, crystallography and microscopy beyond three dimensions: structural dynamics in space and time.**

153 [15664902] Philos Transact A Math Phys Eng Sci 363(1827):315-29 (2005)

2003 **Recent advances in electron imaging, image interpretation and applications: environmental scanning electron microscopy.**

154 [14667297] Philos Transact A Math Phys Eng Sci 361(1813):2771-87 (2003)

2003 **Near-field microscopy: throwing light on the nanoworld.**

155 [14667301] Philos Transact A Math Phys Eng Sci 361(1813):2843-57 (2003)

2008 **Principles of atomic friction: from sticking atoms to superlubric sliding.**

156 [18156127] *Philos Transact A Math Phys Eng Sci* 366(1869):1383-404 (2008)

2005 **Advances in protein complex analysis using mass spectrometry.**

157 [15611014] *J Physiol* 563(Pt 1):11-21 (2005)

2005 **Quantitative functional analysis of protein complexes on surfaces.**

158 [15613368] *J Physiol* 563(Pt 1):61-71 (2005)

2006 **X-ray scattering of non-crystalline biological systems using synchrotron radiation.**

159 [16444294] *Chem Soc Rev* 35(2):123-33 (2006)

2006 **Addressing metal centres in supramolecular assemblies.**

160 [17057835] *Chem Soc Rev* 35(11):1056-67 (2006)

2004 **Research applications of the Cambridge Structural Database (CSD).**

161 [15480471] *Chem Soc Rev* 33(8):463-75 (2004)

2004 **Low temperature single crystal X-ray diffraction: advantages, instrumentation and applications.**

162 [15480473] *Chem Soc Rev* 33(8):490-500 (2004)

2004 **Single-crystal X-ray diffraction studies of photo-induced molecular species.**

163 [15480474] *Chem Soc Rev* 33(8):501-13 (2004)

2004 **Polarimetric imaging of crystals.**

164 [15480475] *Chem Soc Rev* 33(8):514-25 (2004)

2004 **Beyond classical applications of powder diffraction.**

165 [15480477] *Chem Soc Rev* 33(8):539-47 (2004)

2004 **Synchrotron and neutron techniques in biological crystallography.**

166 [15480478] *Chem Soc Rev* 33(8):548-57 (2004)

2004 **High-throughput protein crystallography and drug discovery.**

167 [15480479] *Chem Soc Rev* 33(8):558-65 (2004)

2007 **Deep non-invasive Raman spectroscopy of living tissue and powders.**

168 [17619689] *Chem Soc Rev* 36(8):1292-304 (2007)

2007 **Catalysis resolved using scanning tunnelling microscopy.**

169 [17721588] *Chem Soc Rev* 36(10):1656-73 (2007)

2007 **Nanotomography in the chemical, biological and materials sciences.**

170 [17660880] *Chem Soc Rev* 36(9):1477-94 (2007)

2005 **Models of molecular geometry.**

171 [15852152] *Chem Soc Rev* 34(5):396-407 (2005)

2005 **Photoelectron spectroscopy without photoelectrons: twenty years of ZEKE spectroscopy.**

172 [16239995] *Chem Soc Rev* 34(11):935-48 (2005)

2005 **Femtosecond lasers in gas phase chemistry.**

173 [16239996] *Chem Soc Rev* 34(11):949-69 (2005)

2008 **Femtosecond spectroscopy of cluster anions: insights into condensed-phase phenomena from the gas-phase.**

174 [18224260] *Chem Soc Rev* 37(3):505-17 (2008)

2008 **Determining accurate molecular sizes in solution through NMR diffusion spectroscopy.**

175 [18224258] *Chem Soc Rev* 37(3):479-89 (2008)

2005 **Exploring supramolecular interactions and architectures by scanning force microscopies.**

176 [15965537] *Chem Soc Rev* 34(7):551-61 (2005)

2009 **Visualization of molecular interactions using bimolecular fluorescence complementation analysis: characteristics of protein fragment complementation.**

177 [19771334] *Chem Soc Rev* 38(10):2876-86 (2009)

2006 **Solid state ¹⁷O NMR-an introduction to the background principles and applications to inorganic materials.**

178 [16862272] *Chem Soc Rev* 35(8):718-35 (2006)

2011 **Mining electron density for functionally relevant protein polymorphism in crystal structures.**

179 [21190057] *Cell Mol Life Sci* 68(11):1829-41 (2011)

2010 **From protein sequences to 3D-structures and beyond: the example of the UniProt knowledgebase.**

180 [20043185] *Cell Mol Life Sci* 67(7):1049-64 (2010)

2009 **Probing the macromolecular organization of cells by electron tomography.**

181 [19185480] *Curr Opin Cell Biol* 21(1):89-96 (2009)

2010 **Visualizing protein-DNA interactions at the single-molecule level.**

182 [19945909] *Curr Opin Chem Biol* 14(1):15-22 (2010)

2010 **Structure elucidation of dimeric transmembrane domains of bitopic proteins.**

183 [20421711] *Cell Adh Migr* 4(2):284-98 (2010)

2007 **Electron cryotomography.**

184 [18019332] *Biotechniques* 43(4):413, 415, 417 passim (2007)

2005 **Prediction of protein function from structure: insights from methods for the detection of local structural similarities.**

185 [16018542] *Biotechniques* 38(6):847, 849, 851 (2005)

2003 **Electron-nuclear double resonance spectroscopy (and electron spin-echo envelope modulation spectroscopy) in bioinorganic chemistry.**

186 [12642664] *Proc Natl Acad Sci U S A* 100(7):3575-8 (2003)

2011 **Enhancing single molecule imaging in optofluidics and microfluidics.**

187 [21954349] *Int J Mol Sci* 12(8):5135-56 (2011)

2010 **Matrix-assisted laser desorption/ionization imaging mass spectrometry.**

188 [21614190] *Int J Mol Sci* 11(12):5040-55 (2010)

2008 **Selenium derivatization of nucleic acids for phase and structure determination in nucleic acid X-ray crystallography.**

189 [19325748] *Int J Mol Sci* 9(3):258-71 (2008)

2008 **Understanding and re-engineering nucleoprotein machines to cure human disease.**

190 [18393669] *Nanomedicine (Lond)* 3(1):93-105 (2008)

2008 **From fluorescence nanoscopy to nanoscopic medicine.**

191 [18393640] *Nanomedicine (Lond)* 3(1):1-4 (2008)

2011 **DNA translocation by type III restriction enzymes: a comparison of current models of**
 192 **their operation derived from ensemble and single-molecule measurements.**
 [21310716] *Nucleic Acids Res* 39(11):4525-31 (2011)

2008 **See me, feel me: methods to concurrently visualize and manipulate single DNA**
 193 **molecules and associated proteins.**
 [18586820] *Nucleic Acids Res* 36(13):4381-9 (2008)

2009 **Rastering strategy for screening and centring of microcrystal samples of human**
 194 **membrane proteins with a sub-10 microm size X-ray synchrotron beam.**
 [19535414] *J R Soc Interface* 6 Suppl 5(-):S587-97 (2009)

2009 **Atomic-scale dynamics inside living cells explored by neutron scattering.**
 195 [19586955] *J R Soc Interface* 6 Suppl 5(-):S611-7 (2009)

2010 **Dynamic fluorescence depolarization: a powerful tool to explore protein folding on the**
 196 **ribosome.**
 [20685617] *Methods* 52(1):57-73 (2010)

2010 **Use of the spliceosomal protein U1A to facilitate crystallization and structure**
 197 **determination of complex RNAs.**
 [20554048] *Methods* 52(2):159-67 (2010)

2009 **Raman crystallography of RNA.**
 198 [19409996] *Methods* 49(2):101-11 (2009)

2009 **Exploring ribozyme conformational changes with X-ray crystallography.**
 199 [19559088] *Methods* 49(2):87-100 (2009)

2007 **Harnessing attosecond science in the quest for coherent X-rays.**
 200 [17690287] *Science* 317(5839):775-8 (2007)

2007 **Attosecond control and measurement: lightwave electronics.**
 201 [17690286] *Science* 317(5839):769-75 (2007)

2010 **In vivo photoacoustic tomography of chemicals: high-resolution functional and**
 202 **molecular optical imaging at new depths.**
 [20210338] *Chem Rev* 110(5):2756-82 (2010)

2009 **Coherent multidimensional optical spectroscopy of excitons in molecular aggregates;**
 203 **quasiparticle versus supermolecule perspectives.**
 [19432416] *Chem Rev* 109(6):2350-408 (2009)

2007 **Ultrafast dynamics in complex fluids observed through the ultrafast optically-**
 204 **heterodyne-detected optical-Kerr-effect (OHD-OKE).**
 [17487314] *Phys Chem Chem Phys* 9(18):2167-80 (2007)

2007 **Reaction products in mass spectrometry elucidated with infrared spectroscopy.**
 205 [17637973] *Phys Chem Chem Phys* 9(29):3804-17 (2007)

2008 **Dynamic imaging of molecules using high order harmonic generation.**
 206 [18075681] *Phys Chem Chem Phys* 10(1):35-48 (2008)

2006 **Looking at long molecules in solution: what happens when they are subjected to**
 207 **Couette flow?**
 [16902709] *Phys Chem Chem Phys* 8(27):3161-71 (2006)

2011 **Surface-enhanced Raman scattering: a powerful tool for chemical identification.**
 208 [21828913] *Anal Sci* 27(8):775-83 (2011)

2010 **Introductory photoemission theory.**
 209 [20145315] *Anal Sci* 26(2):147-54 (2010)

2007 **Electron enhanced Raman scattering and its applications in solution chemistry.**
 210 [17625315] *Anal Sci* 23(7):769-74 (2007)

2008 **Anisotropic nuclear spin interactions for the morphology analysis of proteins in**
 211 **solution by NMR spectroscopy.**
 [18187848] *Anal Sci* 24(1):39-50 (2008)

2008 **Lifetime-broadening-suppressed selective XAFS spectroscopy.**
 212 [18187845] *Anal Sci* 24(1):15-23 (2008)

2010 **Atomic force microscopy reveals the alternating subunit arrangement of the TRPV2-**
 213 **TRPV4 heterotetramer.**
 [20682256] *Biophys J* 99(3):790-7 (2010)

2010 **A 3.5-nm structure of rat TRPV4 cation channel revealed by Zernike phase-contrast**
 214 **cryoelectron microscopy.**
 [20044482] *J Biol Chem* 285(15):11210-8 (2010)

2007 **Spectrally and spatially resolved fluorescence lifetime imaging in living cells: TRPV4-**
 215 **microfilament interactions.**
 [17374521] *Arch Biochem Biophys* 463(1):27-36 (2007)

2007 **Pharmacology under the microscope: the use of fluorescence correlation spectroscopy**
 216 **to determine the properties of ligand-receptor complexes.**
 [18001848] *Trends Pharmacol Sci* 28(12):637-45 (2007)

2009 **Protein structure prediction and model quality assessment.**
 217 [19100336] *Drug Discov Today* 14(7-8):386-93 (2009)

2006 **X-Ray microanalytical techniques based on synchrotron radiation.**
 218 [16395457] *J Environ Monit* 8(1):33-42 (2006)

2010 **Structure and function of G protein-coupled receptors using NMR spectroscopy.**
 219 [20633362] *Prog Nucl Magn Reson Spectrosc* 57(2):159-80 (2010)

2010 **Biomolecular NMR data analysis.**
 220 [20625476] *Prog Nucl Magn Reson Spectrosc* 56(4):329-45 (2010)

2010 **Structural dynamics of bio-macromolecules by NMR: the slowly relaxing local structure**
 221 **approach.**
 [20625480] *Prog Nucl Magn Reson Spectrosc* 56(4):360-405 (2010)

2010 **Structure-oriented methods for protein NMR data analysis.**
 222 [20633357] *Prog Nucl Magn Reson Spectrosc* 56(4):311-28 (2010)

2006 **Milestones in electron crystallography.**
 223 [17103018] *J Comput Aided Mol Des* 20(7-8):519-27 (2006)

2011 **RNA and protein 3D structure modeling: similarities and differences.**

224 [21258831] *J Mol Model* 17(9):2325-36 (2011)

2007 **A general method for hyperquenching protein crystals.**

225 [17952628] *J Struct Funct Genomics* 8(4):141-4 (2007)

2011 **Correlated single-crystal electronic absorption spectroscopy and X-ray crystallography at NSLS beamline X26-C.**

226 [21525643] *J Synchrotron Radiat* 18(Pt 3):358-66 (2011)

2010 **Recognition tunneling.**

227 [20522930] *Nanotechnology* 21(26):262001 (2010)

2011 **Specimen preparation for electron diffraction of thin crystals.**

228 [20561794] *Micron* 42(2):132-40 (2011)

2009 **Beyond NMR spectra of antimicrobial peptides: dynamical images at atomic resolution and functional insights.**

229 [19386477] *Solid State Nucl Magn Reson* 35(4):201-7 (2009)

2009 **Size and shape of protein molecules at the nanometer level determined by sedimentation, gel filtration, and electron microscopy.**

230 [19495910] *Biol Proced Online* 11(-):32-51 (2009)

2008 **Site-directed spin labeling studies on nucleic acid structure and dynamics.**

231 [18929141] *Prog Nucleic Acid Res Mol Biol* 82(-):147-97 (2008)

2009 **Single-particle reconstruction of biological macromolecules in electron microscopy--30 years.**

232 [20025794] *Q Rev Biophys* 42(3):139-58 (2009)

2010 **Hydrogen exchange mass spectrometry: what is it and what can it tell us?**

233 [20195578] *Anal Bioanal Chem* 397(3):967-72 (2010)

2010 **Molecular sputter depth profiling using carbon cluster beams.**

234 [19649771] *Anal Bioanal Chem* 396(1):105-14 (2010)

2006 **Advanced NMR approaches for a detailed structure analysis of natural products.**

235 [16926490] *Biosci Biotechnol Biochem* 70(8):1803-12 (2006)

2010 **Visualizing water molecules in transmembrane proteins using radiolytic labeling methods.**

236 [20047303] *Biochemistry* 49(5):827-34 (2010)

1975 **A competitive labeling method for the determination of the chemical properties of solitary functional groups in proteins.**

237 [42] *Biochemistry* 14(23):5168-75 (1975)

2007 **Applications of magnetic circular dichroism spectroscopy to porphyrins and phthalocyanines.**

238 [17925938] *Chem Commun (Camb)* -(40):4077-92 (2007)

2008 **Chemical modifications of AFM tips for the study of molecular recognition events.**

239 [18354789] *Chem Commun (Camb)* -(13):1513-32 (2008)

2008 **Single-molecule studies of RNA polymerase: motoring along.**

240 [18410247] *Annu Rev Biochem* 77(-):149-76 (2008)

2009 **Bicelles: A natural 'molecular goniometer' for structural, dynamical and topological studies of molecules in membranes.**

241 [19248817] *Biochimie* 91(6):744-51 (2009)

2010 **X-ray crystallography of chemical compounds.**

242 [19303027] *Life Sci* 86(15-16):585-9 (2010)

2008 **Structural glycobiology: a game of snakes and ladders.**

243 [18390826] *Glycobiology* 18(6):426-40 (2008)

2010 **Electron spin resonance in membrane research: protein-lipid interactions from challenging beginnings to state of the art.**

244 [19669751] *Eur Biophys J* 39(4):513-25 (2010)

2009 **Discovery through the computational microscope.**

245 [19836330] *Structure* 17(10):1295-306 (2009)

2010 **Sampling protein form and function with the atomic force microscope.**

246 [20562411] *Mol Cell Proteomics* 9(8):1678-88 (2010)

2010 **Probing native protein structures by chemical cross-linking, mass spectrometry, and bioinformatics.**

247 [20360032] *Mol Cell Proteomics* 9(8):1634-49 (2010)

Mass spectrometric approaches using electrospray ionization charge states and

2004 **hydrogen-deuterium exchange for determining protein structures and their conformational changes.**

248 [14623985] *Mol Cell Proteomics* 3(1):10-23 (2004)

2008 **Solution NMR structure determination of proteins revisited.**

249 [18827972] *J Biomol NMR* 42(3):155-8 (2008)

2010 **Biophysical characterization of DNA binding from single molecule force measurements.**

250 [20576476] *Phys Life Rev* 7(3):299-341 (2010)

2010 **Strategy for the use of affinity grids to prepare non-His-tagged macromolecular complexes for single-particle electron microscopy.**

251 [20562026] *J Mol Biol* 400(4):675-81 (2010)

2005 **Atomic force microscopy: a powerful tool for high-resolution imaging of spermatozoa.**

252 [16188038] *J Nanobiotechnology* 3(-):9 (2005)

2007 **High-resolution, single-molecule measurements of biomolecular motion.**

253 [17328679] *Annu Rev Biophys Biomol Struct* 36(-):171-90 (2007)

2010 **Global dynamics of proteins: bridging between structure and function.**

254 [20192781] *Annu Rev Biophys* 39(-):23-42 (2010)

2008 **Bimolecular fluorescence complementation (BiFC) analysis as a probe of protein interactions in living cells.**

255 [18573091] *Annu Rev Biophys* 37(-):465-87 (2008)

2011 **Solid-state NMR studies of amyloid fibril structure.**

256 [21219138] *Annu Rev Phys Chem* 62(-):279-99 (2011)

2010 **What can solid state NMR contribute to our understanding of protein folding?**

257 [20542371] *Biophys Chem* 151(1-2):10-21 (2010)

- 2009** Relaxation dispersion NMR spectroscopy as a tool for detailed studies of protein folding.
258 [19289032] Biophys J 96(6):2045-54 (2009)
- 2008** Determination of protein structures--a series of fortunate events.
259 [18441029] Biophys J 95(1):1-9 (2008)
- 2009** Atomic force microscopy of biological membranes.
260 [19167286] Biophys J 96(2):329-38 (2009)
- 2008** Electron crystallography of aquaporins.
261 [18465794] IUBMB Life 60(7):430-6 (2008)
- 2010** Atomic force microscopy probing in the measurement of cell mechanics.
262 [20463929] Int J Nanomedicine 5(-):137-45 (2010)
- 2010** Molecular imaging of membrane proteins and microfilaments using atomic force microscopy.
263 [20689364] Exp Mol Med 42(9):597-605 (2010)
- 2010** Multicolor single-molecule FRET to explore protein folding and binding.
264 [20601974] Mol Biosyst 6(9):1540-7 (2010)
- 2010** Lessons from the lysozyme of phage T4.
265 [20095051] Protein Sci 19(4):631-41 (2010)
- 2009** Probing early events in ferrous cytochrome c folding with time-resolved natural and magnetic circular dichroism spectroscopies.
266 [19538147] Curr Protein Pept Sci 10(5):464-75 (2009)
- 2011** Three-dimensional molecular modeling with single molecule FRET.
267 [20837146] J Struct Biol 173(3):497-505 (2011)
- 2010** High-throughput production of human proteins for crystallization: the SGC experience.
268 [20541610] J Struct Biol 172(1):3-13 (2010)
- 2007** Electron crystallography of membrane proteins.
269 [18022538] J Struct Biol 160(3):263-4 (2007)
- 2002** Scanning probe microscopy for chromosomal research.
270 [12680453] Arch Histol Cytol 65(5):369-76 (2002)
- 2002** Single-molecule studies of chromatin fibers: a personal report.
271 [12680455] Arch Histol Cytol 65(5):391-403 (2002)
- 2011** Biophysical characterization of G-protein coupled receptor-peptide ligand binding.
272 [21455262] Biochem Cell Biol 89(2):98-105 (2011)
- 2008** Expedient placement of two fluorescent dyes for investigating dynamic DNA protein interactions in real time.
273 [18461484] Chromosome Res 16(3):451-67 (2008)
- 2011** FRET in Membrane Biophysics: An Overview.
274 [22110442] Front Physiol 2(-):82 (2011)

Strychnin

12312

Strychnin

Strychnin			
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2008
1 Strychnine--a killer from the past.
[18432030] Isr Med Assoc J 10(2):142-5 (2008)

Epilepsy (BASKET)	Sturge Weber s syndrome		
-------------------	-------------------------	--	--

2007 Surgical treatment of epilepsy in Sturge-Weber syndrome in children.
1 [17233308] J Neurosurg 106(1 Suppl):20-8 (2007)
2005 Sturge-Weber syndrome associated with other abnormalities: a medical record and literature review.
2 [16344352] Arch Neurol 62(12):1924-7 (2005)

STX11

12314

STX11

AP3B1	LYST CHS1	SH2D1A	UNC13D Munc13 4
BIRC4	PRF1	STX11	HPLH3
Hemophagocytic lymphohistiocytosis	RAB27A	STXBP2	

2011 Advances in hemophagocytic lymphohistiocytosis: pathogenesis, early diagnosis/differential diagnosis, and treatment.

1 [21442147] ScientificWorldJournal 11(-):697-708 (2011)

STXBP2	12315	STXBP2	
AP3B1 BIRC4 Hemophagocytic lymphohistiocytosis	LYST CHS1 PRF1 RAB27A	SH2D1A STX11 STXBP2	UNC13D Munc13 4 HPLH3

2011 **Advances in hemophagocytic lymphohistiocytosis: pathogenesis, early**
diagnosis/differential diagnosis, and treatment.
1 [21442147] ScientificWorldJournal 11(-):697-708 (2011)

SU11248

12316

SU11248

Angiogenesis	SU11248		
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The receptor tyrosine kinase inhibitor SU11248 impedes endothelial cell migration, tubule formation, and blood vessel formation in vivo, but has little effect on existing tumor vessels.

1

[15609077] Angiogenesis 7(3):225-33 (2004)

Sub1 PC4

12317

Sub1 PC4

Sub1 PC4			
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2010 Sub1/PC4 a chromatin associated protein with multiple functions in transcription.
1 [20305379] RNA Biol 7(3):287-90 (2010)

Measles	Subacute sclerosing panencephalitis SSPE		
---------	---	--	--

2007 Review of the effect of measles vaccination on the epidemiology of SSPE.

1 [18037676] Int J Epidemiol 36(6):1334-48 (2007)

Subcommissural organ		12319	Subcommissural organ
Ependym	Hydrocephalus	Subcommissural organ	

2009 SCO-ping out the mechanisms underlying the etiology of hydrocephalus.

1 [19364914] Physiology (Bethesda) 24(-):117-26 (2009)

Subcutaneous fat necrosis of the newborn

12320

Subcutaneous fat necrosis of the newborn

Calcium (Hypercalciemia)	Platelets (Thrombocytopenia)	Subcutaneous fat necrosis of the newborn	
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2003 Subcutaneous fat necrosis of the newborn: hypercalcaemia with hepatic and atrial myocardial calcification.
¹ [12819172] Arch Dis Child Fetal Neonatal Ed 88(4):F343-5 (2003)

Subcutaneous infusion

12321

Subkutaninfusion

Subcutaneous infusion			
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2004 Using subcutaneous fluids to rehydrate older people: current practices and future challenges.

1 [15496532] QJM 97(11):765-8 (2004)

Subdural hematoma (chronic)			
--------------------------------	--	--	--

1978 **Chronic subdural haematoma: a review of 114 cases.**
1 [690655] J Neurol Neurosurg Psychiatry 41(9):834-9 (1978)
2011 **Armored brain: A case report and review of the literature.**
2 [21918735] Surg Neurol Int 2(-):120 (2011)

Suberosis

12323

Suberose

Suberosis			
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2003 Suberosis: clinical study and new etiologic agents in a series of eight patients.

1 [12970049] Chest 124(3):1145-52 (2003)

15 deoxy Delta 1214 prostaglandin J2 15d PGJ2	ERS UFR (Pharmacology) HDAC6	Suberoylanilide hydroxamic acid ttHDAC6 Valproic acid	
Bortezomib ttProteasom			

2006 Aggresome disruption: a novel strategy to enhance bortezomib-induced apoptosis in
pancreatic cancer cells.
1 [16585204] Cancer Res 66(7):3773-81 (2006)
2010 Histone deacetylase inhibitors and 15-deoxy-Delta12,14-prostaglandin J2
2 synergistically induce apoptosis.
[20371690] Clin Cancer Res 16(8):2320-32 (2010)

Subfornical organ	12325	Subfornikalorgan	
Arterial hypertension (BASKET)	CNS (Circumventricular organs)	Subfornical organ	

2011 Angiotensin-II-induced reactive oxygen species along the SFO-PVN-RVLM pathway: implications in neurogenic hypertension.

1 [21755262] Braz J Med Biol Res 44(9):871-6 (2011)

Subiculum		12326	Subiculum
Addiction (Drugs of abuse)	Schizophrenia	Subiculum	

2005 The role of the subiculum in epilepsy and epileptogenesis.
1 [16151518] Epilepsy Curr 5(4):121-9 (2005)
2005 The subiculum: what it does, what it might do, and what neuroanatomy has yet to tell us.
2 [16185252] J Anat 207(3):271-82 (2005)
2010 Dopamine system dysregulation by the ventral subiculum as the common pathophysiological basis for schizophrenia psychosis, psychostimulant abuse, and stress.
3 [20143199] Neurotox Res 18(3-4):367-76 (2010)

Briden	Ileus		
Gastrografin	Subileus		

Towards evidence based emergency medicine: best BETs from the Manchester Royal Infirmary. Water soluble, small bowel follow through for adhesive small bowel obstruction.
1 [16921094] Emerg Med J 23(9):724-6 (2006)
2010 Small bowel obstruction: the eternal dilemma of when to intervene.
2 [20679041] Scand J Surg 99(2):78-80 (2010)
2005 Postoperative gastrointestinal tract dysfunction.
3 [15616078] Anesth Analg 100(1):196-204 (2005)
2011 Impact of gastrografin in clinical practice in the management of adhesive small bowel obstruction.
4 [21251420] Can J Surg 54(2):123-7 (2011)

Submentality		12328	Submentalitytaet
Menstruation	Submentality		

2007 Suppression of menstruation in adolescents with severe learning disabilities.

1 [17588976] Arch Dis Child 92(7):629-32 (2007)

Subplate		12329	Subplate
CNS (Development)	Subplate		

2011 Hypothesis on the dual origin of the Mammalian subplate.
1 [21519390] Front Neuroanat 5(-):25 (2011)

12 Hydroxyeicosatetraenoic acid	ERSNA efferent renal sympathetic nervous activity	Mechanotransduction N oleoyldopamine	RP67580 ttNeurokinin1
12 s HPETE	Gastroesophageal reflux disease	PAF	SLIGRL ttPAR2
AMG9810 ttTRPV1	H89 ttPKA	Pain (Neurophysiology)	Substance P
BQ123 ttEndothelinETA	Hematopoietic growth factors (Pharmacology)	PAR2	Tetrabutylammonium tt PotassiumChannels
BQ788 ttEndothelinETB	Inflammation (BASKET)	Pelvis (Kidney)	TRPV1
Calcitonin gene related peptide	Ischemia reperfusion	PKC epsilon V1 2 ttPKCepsilon	TRPV4
CGRP8 37 ttCGRP	Ischemic preconditioning	RAAS (Renin)	
Endothelin	Kidney (Nerves afferent)	Receptor (Neurokinin1)	
Endotoxin	Kidney (Pressure natriuresis)	Resiniferatoxin ttTRPV1	
Endovanilloid	L733060 ttNeurokinin1		

2001 Substance P: a pioneer amongst neuropeptides.

1 [11168782] J Intern Med 249(1):27-40 (2001)

2010 Neurokinin-1 receptor: a new promising target in the treatment of cancer.

2 [21034671] Discov Med 10(53):305-13 (2010)

2007 The significance of substance P in physiological and malignant haematopoiesis.

3 [17172475] J Clin Pathol 60(7):749-55 (2007)

2008 N-oleoyldopamine, a novel endogenous capsaicin-like lipid, protects the heart against ischemia-reperfusion injury via activation of TRPV1.

4 [18567714] Am J Physiol Heart Circ Physiol 295(2):H728-35 (2008)

2007 TRPV1 gene knockout impairs preconditioning protection against myocardial injury in isolated perfused hearts in mice.

5 [17586621] Am J Physiol Heart Circ Physiol 293(3):H1791-8 (2007)

2009 Protease-activated receptor 2-mediated protection of myocardial ischemia-reperfusion injury: role of transient receptor potential vanilloid receptors.

6 [19812353] Am J Physiol Regul Integr Comp Physiol 297(6):R1681-90 (2009)

2008 TRPV1-mediated protection against endotoxin-induced hypotension and mortality in rats.

7 [18337316] Am J Physiol Regul Integr Comp Physiol 294(5):R1517-23 (2008)

2008 Transient receptor potential vanilloid type 1 channels act as mechanoreceptors and cause substance P release and sensory activation in rat kidneys.

8 [18032552] Am J Physiol Renal Physiol 294(2):F316-25 (2008)

2009 Ablation of transient receptor potential vanilloid 1 abolishes endothelin-induced increases in afferent renal nerve activity: mechanisms and functional significance.

9 [19858408] Hypertension 54(6):1298-305 (2009)

2010 Viewpoints on Acid-induced inflammatory mediators in esophageal mucosa.

10 [21103419] J Neurogastroenterol Motil 16(4):374-88 (2010)

2011 Inhibition of renin release by arachidonic acid metabolites, 12(s)-HPETE and 12-HETE: role of TRPV1 channels.

11 [21846804] Endocrinology 152(10):3811-9 (2011)

2010 A role for transient receptor potential vanilloid 4 in tonic-induced neurogenic inflammation.

12 [20136846] Br J Pharmacol 159(5):1161-73 (2010)

2009 Salt intake augments hypotensive effects of transient receptor potential vanilloid 4: functional significance and implication.

13 [19075100] Hypertension 53(2):228-35 (2009)

2005 Feed-forward inhibition: a novel cellular mechanism for the analgesic effect of substance P.

14 [16297242] Mol Pain 1(-):34 (2005)

Substantia nigra pars reticulata			
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2006 Update on the role of substantia nigra pars reticulata in the regulation of seizures.
1 [16761069] Epilepsy Curr 6(3):83-7 (2006)

Subtalar arthrodesis

12332

Subtalare Arthrodes

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Hemolytic uremic syndrome	Subtilase cytotoxin SubAB		
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2009 A dietary non-human sialic acid may facilitate hemolytic-uremic syndrome.

1 [19387473] Kidney Int 76(2):140-4 (2009)

GABA	Succinic semialdehyde dehydrogenase deficiency		
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2009 Succinic semialdehyde dehydrogenase deficiency: lessons from mice and men.

1 [19172412] J Inherit Metab Dis 32(3):343-52 (2009)

c14CoS mice Fanconi s syndrome	Fumarylacetoacetate hydrolase Liver (Neoplasia Hepatoblastoma)	Succinylacetoacetate Succinylacetone	Tyrosinemia
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2007 **Animal models of tyrosinemia.**
1 [17513424] J Nutr 137(6 Suppl 1):1556S-1560S; discussion 1573S-1575S (2007)

c14CoS mice Fanconi s syndrome	Fumarylacetoacetate hydrolase Liver (Neoplasia Hepatoblastoma)	Succinylacetoacetate Succinylacetone	Tyrosinemia
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2007 Animal models of tyrosinemia.
1 [17513424] J Nutr 137(6 Suppl 1):1556S-1560S; discussion 1573S-1575S (2007)

Succinylcholine			
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2006 Succinylcholine: new insights into mechanisms of action of an old drug.

1 [16571955] *Anesthesiology* 104(4):633-4 (2006)

2011 Succinylcholine should be avoided in patients on statin therapy.

2 [21587061] *Anesthesiology* 115(1):6-7 (2011)

Sucking disorder

12338

Saugschwache

Sucking disorder			
------------------	--	--	--

1969 Sucking and swallowing difficulties in infancy: diagnostic problem of dysphagia.
1 [4901820] Arch Dis Child 44(238):655-65 (1969)

Sucla2

12339

Sucla2

Sucla2			
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2007 **Mutations in SUCLA2: a tandem ride back to the Krebs cycle.**

1 [\[17347254\] Brain 130\(Pt 3\):606-9 \(2007\)](#)

Amiodarone	Heart (Electrocardiography)	KATP	T wave alternans
Cardiovascular risk	Heart (Implanted cardioverter defibrillator)	Resuscitation	
Heart (Arrhythmia)	J wave (ECG)	Sudden death (cardiogenic)	

2009 Cardiac gene defects can cause sudden cardiac death in young people.

1 [19564966] Dtsch Arztebl Int 106(4):41-7 (2009)

1981 Pathological view of sudden cardiac death.

2 [6450599] Br Heart J 45(1):88-96 (1981)

1996 Sudden cardiac death in the adult with congenital heart disease.

3 [9191509] Can J Cardiol 12(11):1161-3 (1996)

1996 Sudden cardiac death in the young.

4 [9191508] Can J Cardiol 12(11):1157-60 (1996)

1996 Pathology of sudden death in the young.

5 [9191507] Can J Cardiol 12(11):1150-6 (1996)

2001 Sympathetic nerve sprouting, electrical remodeling and the mechanisms of sudden cardiac death.

6 [11334845] Cardiovasc Res 50(2):409-16 (2001)

2001 Postmortem diagnosis in sudden cardiac death victims: macroscopic, microscopic and molecular findings.

7 [11334833] Cardiovasc Res 50(2):290-300 (2001)

2001 Sudden cardiac death by Commotio cordis: role of mechano-electric feedback.

8 [11334832] Cardiovasc Res 50(2):280-9 (2001)

2001 What do implantable cardioverter/defibrillators teach us about the mechanisms of sudden cardiac death?

9 [11334827] Cardiovasc Res 50(2):232-41 (2001)

2001 Risk stratifiers for sudden cardiac death (SCD) in the community: primary prevention of SCD.

10 [11334822] Cardiovasc Res 50(2):186-96 (2001)

2001 Opportunities for sudden death prevention: directions for new clinical and basic research.

11 [11334821] Cardiovasc Res 50(2):177-85 (2001)

2008 Genetic determinants of sudden cardiac death.

12 [18955676] Circulation 118(18):1854-63 (2008)

1998 Sudden cardiac death.

13 [9826323] Circulation 98(21):2334-51 (1998)

2005 Mechanisms of sudden cardiac death.

14 [16138184] J Clin Invest 115(9):2305-15 (2005)

2007 Sudden cardiac death in nephrology: focus on acquired long QT syndrome.

15 [17093009] Nephrol Dial Transplant 22(1):12-4 (2007)

American Heart Association/American College of Cardiology Foundation/Heart Rhythm Society scientific statement on noninvasive risk stratification techniques for identifying patients at risk for sudden cardiac death: a scientific statement from the American Heart Association Council on Clinical Cardiology Committee on Electrocardiography and Arrhythmias and Council on Epidemiology and Prevention.

16 [18833586] Circulation 118(14):1497-1518 (2008)

2009 Amiodarone for the prevention of sudden cardiac death: a meta-analysis of randomized controlled trials.

17 [19336434] Eur Heart J 30(10):1245-53 (2009)

2008 Sudden cardiac death in young athletes.

18 [18670141] Intern Med 47(15):1373-8 (2008)

2010 Experimental models of spontaneous ventricular arrhythmias and of sudden cardiac death.

19 [20626217] Physiol Res 59 Suppl 1(-):S25-31 (2010)

2010 Sudden cardiac death in the young: Could epilepsy be involved?

20 [20668621] Clinics (Sao Paulo) 65(7):655-6 (2010)

2010 A gain-of-function I(K-ATP) mutation and its role in sudden cardiac death associated with J-wave syndromes.

21 [20736095] Heart Rhythm 7(10):1472-4 (2010)

2009 Basis for sudden cardiac death prediction by T-wave alternans from an integrative physiology perspective.

22 [19251221] Heart Rhythm 6(3):416-22 (2009)

2009 Explaining the clinical manifestations of T wave alternans in patients at risk for sudden cardiac death.

23 [19168395] Heart Rhythm 6(3 Suppl):S22-8 (2009)

2009 Risk stratification for sudden cardiac death: is there a clinical role for T wave alternans?

24 [19631909] Heart Rhythm 6(8 Suppl):S56-61 (2009)

2007 Heart rate variability as a predictor of sudden cardiac death.

25 [17584685] Anadolu Kardiyol Derg 7 Suppl 1(-):68-70 (2007)

2002 Sudden death in children and adolescents.

26 [12231612] Heart 88(4):426-31 (2002)

2007 Sudden arrhythmic death syndrome.

27 [17435067] Heart 93(5):547-8 (2007)

- 2005** **Diagnosis and management of sudden cardiac death.**
28 [15710742] *Heart* 91(3):408-13 (2005)
- 2010** **Hypothermia and pediatric cardiac arrest.**
29 [20930973] *J Emerg Trauma Shock* 3(3):277-81 (2010)
- 2010** **Cardiac arrest in children.**
30 [20930971] *J Emerg Trauma Shock* 3(3):267-72 (2010)
- 2011** **How to diagnose the cause of sudden cardiac arrest.**
31 [21432834] *Cardiol J* 18(2):210-6 (2011)
- 2008** **The role of the autonomic nervous system in sudden cardiac death.**
32 [18474284] *Prog Cardiovasc Dis* 50(6):404-19 (2008)
- 2010** **Early identification of risk factors for sudden cardiac death.**
33 [20421887] *Nat Rev Cardiol* 7(6):318-26 (2010)
- 2006** **Amplification of spatial dispersion of repolarization underlies sudden cardiac death associated with catecholaminergic polymorphic VT, long QT, short QT and Brugada syndromes.**
34 [16336513] *J Intern Med* 259(1):48-58 (2006)

Nystagmus	Sudden hearing loss	Vertigo	
-----------	---------------------	---------	--

2009 Perspectives on the pathophysiology and treatment of sudden idiopathic sensorineural hearing loss.

1 [19946432] Dtsch Arztebl Int 106(41):669-75; quiz 676 (2009)

2011 Pharmacotherapy of vestibular and ocular motor disorders, including nystagmus.

2 [21461686] J Neurol 258(7):1207-22 (2011)

Atherosclerosis (peripheral vessels)	Heart (Coronary heart disease BASKET)	Pain (Neurophysiology)	
Botulinus toxin (Therapeutic use)	Low back pain	Spinal cord (Electrostimulation)	
Changes in terminology	Neuropathy peripheral	Sudeck s dystrophy	

2005 Complex regional pain syndromes in children and adolescents.

1 [15681937] Anesthesiology 102(2):252-5 (2005)

2002 Complex regional pain syndrome I (reflex sympathetic dystrophy).

2 [11981168] Anesthesiology 96(5):1254-60 (2002)

2010 Evidence based guidelines for complex regional pain syndrome type 1.

3 [20356382] BMC Neurol 10(-):20 (2010)

2010 Treatment of complex regional pain syndrome: a review of the evidence.

4 [20054678] Can J Anaesth 57(2):149-66 (2010)

2007 Is complex regional pain syndrome an inflammatory process? Theories and therapeutic implications.

5 [17400975] Can J Anaesth 54(4):249-53 (2007)

2003 Complex regional pain syndrome.

6 [14653588] J Bone Joint Surg Br 85(8):1100-6 (2003)

1985 A personal overview of causalgia and other reflex dystrophies.

7 [3977427] Ann Surg 201(3):278-89 (1985)

1999 Explaining reflex sympathetic dystrophy.

8 [10328244] Arch Neurol 56(5):521-2 (1999)

2001 Reflex sympathetic dystrophy.

9 [11511699] J Neurol Neurosurg Psychiatry 71(3):291-5 (2001)

2004 Complex regional pain syndrome: a review.

10 [15623978] J Postgrad Med 50(4):300-7 (2004)

2002 Complex regional pain syndrome.

11 [11838651] Mayo Clin Proc 77(2):174-80 (2002)

2000 Reflex sympathetic dystrophy.

12 [10908684] Rheumatology (Oxford) 39(7):692-5 (2000)

2009 Functional imaging of central nervous system involvement in complex regional pain syndrome.

13 [19386737] AJNR Am J Neuroradiol 30(7):1279-84 (2009)

2006 An electrophysiological approach to the evaluation of regional sympathetic dysfunction: a proposed classification.

14 [16700284] Pain Physician 9(1):69-82 (2006)

2002 Spinal cord stimulation.

15 [16902666] Pain Physician 5(2):156-66 (2002)

2011 Intramuscular botulinum toxin A (BtxA) in complex regional pain syndrome.

16 [21587336] Pain Physician 14(3):311-6 (2011)

2011 Intramuscular botulinum toxin in complex regional pain syndrome: case series and literature review.

17 [21927045] Pain Physician 14(5):419-24 (2011)

2010 An update on the pathophysiology of complex regional pain syndrome.

18 [20693883] Anesthesiology 113(3):713-25 (2010)

2004 Preventing the development of complex regional pain syndrome after surgery.

19 [15505459] Anesthesiology 101(5):1215-24 (2004)

2004 Intravenous regional sympathetic block: past, present and future?

20 [15007401] Pain Res Manag 9(1):35-7 (2004)

2007 Pharmacologic therapies for complex regional pain syndrome.

21 [17214920] Curr Pain Headache Rep 11(1):38-43 (2007)

SUDEP			
-------	--	--	--

2008 What is known about the mechanisms underlying SUDEP?

1 [\[19087123\] Epilepsia 49 Suppl 9\(-\):93-8 \(2008\)](#)

2007 Risk factors in sudden death in epilepsy (SUDEP): the quest for mechanisms.

2 [\[17433051\] Epilepsia 48\(5\):859-71 \(2007\)](#)

2005 Sudden unexpected death in epilepsy: a review of incidence and risk factors.

3 [\[16393182\] Epilepsia 46 Suppl 11\(-\):54-61 \(2005\)](#)

2000 Sudden unexplained death and injury in epilepsy.

4 [\[10885735\] Epilepsia 41 Suppl 2\(-\):S7-12 \(2000\)](#)

Muscle relaxants	Neostigmine	Sugammadex	
------------------	-------------	------------	--

- 2010 **Sugammadex for reversal of neuromuscular block after rapid sequence intubation: a systematic review and economic assessment.**
1 [20937718] Br J Anaesth 105(5):568-75 (2010)
- 2010 **Sugammadex compared with neostigmine/glycopyrrolate for routine reversal of neuromuscular block: a systematic review and economic evaluation.**
2 [20935005] Br J Anaesth 105(5):558-67 (2010)
- 2007 **Sugammadex: another milestone in clinical neuromuscular pharmacology.**
3 [17312211] Anesth Analg 104(3):575-81 (2007)
- 2006 **Sugammadex: a revolutionary approach to neuromuscular antagonism.**
4 [16571954] Anesthesiology 104(4):631-3 (2006)
- 2006 **New drug sugammadex: a selective relaxant binding agent.**
5 [17048555] AANA J 74(5):357-63 (2006)
- 2007 **Sugammadex: an opportunity for more thinking or more cookbook medicine?**
6 [17766736] Can J Anaesth 54(9):689-95 (2007)
- 2010 **Sugammadex for the reversal of muscle relaxation in general anaesthesia: a systematic review and economic assessment.**
7 [20688009] Health Technol Assess 14(39):1-211 (2010)
- 2010 **Cochrane corner: sugammadex, a selective reversal medication for preventing postoperative residual neuromuscular blockade.**
8 [20357160] Anesth Analg 110(4):1239 (2010)
- 2007 **Sugammadex: an opportunity to change the practice of anesthesiology?**
9 [17312188] Anesth Analg 104(3):477-8 (2007)
- 2010 **Neostigmine versus sugammadex: which, when, and how much?**
10 [20852409] Anesthesiology 113(5):1010-1 (2010)
- 2010 **Sugammadex--a short review and clinical recommendations for the cardiac anesthesiologist.**
11 [20826961] Ann Card Anaesth 13(3):206-16 (2010)

Sugar	12345	Zucker
Addiction (BASKET)	Sugar	

2006 **Intestinal sugar transport.**
 1 [\[16586532\] World J Gastroenterol 12\(11\):1657-70 \(2006\)](#)
2007 **Intense sweetness surpasses cocaine reward.**
 2 [\[17668074\] PLoS One 2\(8\):e698 \(2007\)](#)

Addiction (Internet)	Bipolar disorder	Prison	Suicidal ideation
Automutilation	Pregnancy (Psychiatry)	ssRI	

- 2003 Assessing suicidal youth with antisocial, borderline, or narcissistic personality disorder.**
1 [12866335] Can J Psychiatry 48(5):301-10 (2003)
- 2003 The neurobiology of suicide and suicidality.**
2 [12866334] Can J Psychiatry 48(5):292-300 (2003)
- 2008 Suicide and suicidal behavior.**
3 [18653727] Epidemiol Rev 30(-):133-54 (2008)
- 2005 Dissecting the suicide phenotype: the role of impulsive-aggressive behaviours.**
4 [16327873] J Psychiatry Neurosci 30(6):398-408 (2005)
- 2010 Screening, triage, and referral of patients who report suicidal thought during a primary care visit.**
5 [20385642] Pediatrics 125(5):945-52 (2010)
- 2003 Suicide in physicians: toward prevention.**
6 [14745358] MedGenMed 5(4):11 (2003)
- 2008 Deliberate self-harm (and attempted suicide).**
7 [19445786] Clin Evid (Online) 2008(-):- (2008)
- 2005 Suicide prevention strategies: a systematic review.**
8 [16249421] JAMA 294(16):2064-74 (2005)
- 2009 Animal models of suicide-trait-related behaviors.**
9 [19269045] Trends Pharmacol Sci 30(4):165-73 (2009)
- 2011 Internet pathways in suicidality: a review of the evidence.**
10 [22073021] Int J Environ Res Public Health 8(10):3938-52 (2011)
- 2009 Suicide in adolescents: a worldwide preventable tragedy.**
11 [19597305] Keio J Med 58(2):95-102 (2009)
- 2007 Self-manslaughter and the forensic classification of self-inflicted death.**
12 [17329386] J Med Ethics 33(3):155-7 (2007)
- 2011 Suicidal mothers.**
13 [21498972] J Inj Violence Res 3(2):90-7 (2011)
- 2007 Suicidal behaviour on subway systems: a review of the epidemiology.**
14 [17828459] J Urban Health 84(6):766-81 (2007)
- Self-referential thinking, suicide, and function of the cortical midline structures and striatum in mood disorders: possible implications for treatment studies of mindfulness-based interventions for bipolar depression.**
15 [21961061] Depress Res Treat 2012(-):246725 (2012)
- 2008 Review of completed suicides in the California Department of Corrections and Rehabilitation, 1999 to 2004.**
16 [18511589] Psychiatr Serv 59(6):676-82 (2008)
- 2006 Deaths from pesticide poisoning: a global response.**
17 [16946353] Br J Psychiatry 189(-):201-3 (2006)
- 2003 Understanding the suicidal brain.**
18 [14519603] Br J Psychiatry 183(-):282-4 (2003)
- 2010 The interpersonal theory of suicide.**
19 [20438238] Psychol Rev 117(2):575-600 (2010)
- 2004 Psychiatric diagnoses in 3275 suicides: a meta-analysis.**
20 [15527502] BMC Psychiatry 4(-):37 (2004)

Medical ethics	Suicide (assisted)		
----------------	--------------------	--	--

2006 Physician-assisted suicide: a review of the literature concerning practical and clinical implications for UK doctors.

1 [16792812] BMC Fam Pract 7(-):39 (2006)

2002 Euthanasia and physician-assisted suicide: a review of the empirical data from the United States.

2 [11802747] Arch Intern Med 162(2):142-52 (2002)

2005 Granted, undecided, withdrawn, and refused requests for euthanasia and physician-assisted suicide.

3 [16087816] Arch Intern Med 165(15):1698-704 (2005)

Sulf1	12348	Sulf1	
Heparan sulfate	Sulf1	Sulf2	

2010 Sulf-2: an extracellular modulator of cell signaling and a cancer target candidate.

1 [20629619] Expert Opin Ther Targets 14(9):935-49 (2010)

Sulf2	12349	Sulf2	
Heparan sulfate	Sulf1	Sulf2	

2010 Sulf-2: an extracellular modulator of cell signaling and a cancer target candidate.

1 [20629619] Expert Opin Ther Targets 14(9):935-49 (2010)

Sulfated fucans	Sulfated galactans		
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2008 Structure, biology, evolution, and medical importance of sulfated fucans and galactans.
1 [18796647] Glycobiology 18(12):1016-27 (2008)

Sulfated galactans		12351	Sulfated galactans
Sulfated fucans	Sulfated galactans		

2008 Structure, biology, evolution, and medical importance of sulfated fucans and galactans.
1 [\[18796647\]](#) *Glycobiology* 18(12):1016-27 (2008)

Sulfatides	12352	Sulfatide	
Alzheimer s disease	Apolipoprotein E4	Sulfatides	

2010 The pathogenic implication of abnormal interaction between apolipoprotein E isoforms, amyloid-beta peptides, and sulfatides in Alzheimer's disease.
1 [20052565] Mol Neurobiol 41(2-3):97-106 (2010)

Hydrogen peroxide H ₂ O ₂	Protein (Posttranslational modification)	Sulfenic acid	
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2008 Discovering mechanisms of signaling-mediated cysteine oxidation.

1 [18282483] Curr Opin Chem Biol 12(1):18-24 (2008)

Sulfhemoglobinemia			
--------------------	--	--	--

1998 Pseudomethemoglobinemia: a case report and review of sulfhemoglobinemia.
1 [9701142] Arch Pediatr Adolesc Med 152(8):803-5 (1998)

Disulfide bridges	Protein (folding)	Sulfhydryl oxidase	
-------------------	-------------------	--------------------	--

2010 Oxidative protein folding and the Quiescin-sulfhydryl oxidase family of flavoproteins.
1 [20136510] Antioxid Redox Signal 13(8):1217-30 (2010)

Sulfiredoxin		12356	Sulfiredoxin
Nrf2	Redox (BASKET)	Sestrin2	
Peroxiredoxin	Sestrin1	Sulfiredoxin	

2009 Transcriptional regulation of the AP-1 and Nrf2 target gene sulfiredoxin.

1 [19326073] Mol Cells 27(3):279-82 (2009)

2007 The peroxiredoxin repair proteins.

2 [18084892] Subcell Biochem 44(-):115-41 (2007)

Enzyme structure and chemistry	Sulfite oxidase deficiency		
Sulfite dehydrogenase	Sulfur		

2007 **Sulfite oxidizing enzymes.**
1 [\[17459792\] Biochim Biophys Acta 1774\(5\):527-39 \(2007\)](#)

Enzyme structure and chemistry	Sulfite oxidase deficiency		
Sulfite dehydrogenase	Sulfur		

2005 Isolated sulfite oxidase deficiency: a case report with a novel mutation and review of the literature.

1 [16140720] *Pediatrics* 116(3):757-66 (2005)

2007 Sulfite oxidizing enzymes.

2 [17459792] *Biochim Biophys Acta* 1774(5):527-39 (2007)

2002 Infantile isolated sulphite oxidase deficiency in a Chinese family: a rare neurodegenerative disorder.

3 [12167732] *Hong Kong Med J* 8(4):279-82 (2002)

Sulfonylurea			
------------------------------	--	--	--

2002 Sulfonylurea stimulation of insulin secretion.

¹ [\[12475777\]](#) *Diabetes* 51 Suppl 3(-):S368-76 (2002)

2003 Sulfonylureas and cardiovascular effects: from experimental data to clinical use.

² Available data in humans and clinical applications.

² [\[12909809\]](#) *Diabetes Metab* 29(3):207-22 (2003)

2000 The molecular mechanism of the insulin-mimetic/sensitizing activity of the antidiabetic sulfonylurea drug Amaryl.

³ [\[11147570\]](#) *Mol Med* 6(11):907-33 (2000)

Chemoprevention	Erucin	Proteasome (BASKET)	
COPD	Isothiocyanate	PSMB6	
ERS UFR (Diseases)	Nrf2	Sulforaphane	

2010 **The inhibition of autophagy potentiates anti-angiogenic effects of sulforaphane by inducing apoptosis.**
1 [20694744] *Angiogenesis* 13(3):227-38 (2010)

2006 **Sulforaphane induces inhibition of human umbilical vein endothelial cells proliferation by apoptosis.**
2 [16821112] *Angiogenesis* 9(2):83-91 (2006)

2010 **Biological profile of erucin: a new promising anticancer agent from cruciferous vegetables.**
3 [22069601] *Toxins (Basel)* 2(4):593-612 (2010)

2008 **Multi-targeted prevention of cancer by sulforaphane.**
4 [18504070] *Cancer Lett* 269(2):291-304 (2008)

2009 **Heightened endoplasmic reticulum stress in the lungs of patients with chronic obstructive pulmonary disease: the role of Nrf2-regulated proteasomal activity.**
5 [19797762] *Am J Respir Crit Care Med* 180(12):1196-207 (2009)

Sulfotransferase2A1

12361

Sulfotransferase2A1

Cholic acid	Sulfotransferase2A1		
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2009 Bile Acid sulfation: a pathway of bile acid elimination and detoxification.
1 [19131563] Toxicol Sci 108(2):225-46 (2009)

Sulfur dioxide

12362

Schwefeldioxid

Sulfur dioxide			
----------------	--	--	--

2011 Sulfur dioxide acts as a novel endogenous gaseous signaling molecule in the cardiovascular system.
1 [21740851] Chin Med J (Engl) 124(12):1901-5 (2011)

Enzyme structure and chemistry Methionine metabolic cycle	Selen Sulfite dehydrogenase	Sulfite oxidase deficiency Sulfur	
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2002 **Sulfur in human nutrition and applications in medicine.**
1 [11896744] Altern Med Rev 7(1):22-44 (2002)
2011 **Sulfur- and seleno-containing amino acids.**
2 [21547360] Amino Acids 41(1):1-2 (2011)
2010 **The logic of the hepatic methionine metabolic cycle.**
3 [19833238] Biochim Biophys Acta 1804(1):89-96 (2010)
2007 **Sulfite oxidizing enzymes.**
4 [17459792] Biochim Biophys Acta 1774(5):527-39 (2007)

Sulodexide

12364

Sulodexid

Sulodexide			
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2006 Sulodexide: a renewed interest in this glycosaminoglycan.
1 [17214598] Cardiovasc Drug Rev 24(3-4):214-26 (2006)

Sulpiride

12365

Sulpirid

Schizophrenia	Sulpiride		
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2010
1 Sulpiride augmentation for schizophrenia.
[20061345] Schizophr Bull 36(2):229-30 (2010)

CYB5 cytochrome b5 DHEAS	HSD3B2 3beta hydroxysteroid dehydrogenase II Steroid hormones (Synthesis)	SULT2A1 steroid sulfotransferase	
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2008

Regulation of the adrenal androgen biosynthesis.

1

[17945481] J Steroid Biochem Mol Biol 108(3-5):281-6 (2008)

Sumatriptan		12367	Sumatriptan
Almotriptan	Migraine	Telcagepant ttCGRP	
Calcitonin gene related peptide	Naratriptan	Triptans	
Frovatriptan	Sumatriptan	Zolmitriptan	

2011 **Optimal balance of efficacy and tolerability of oral triptans and telcagepant: a review and a clinical comment.**
1 [21350792] J Headache Pain 12(3):275-80 (2011)

JAK STAT	SENPS	Signal transduction	
Kinetochore	SENPP	Sumo	

2005 SUMO: a ubiquitin-like protein modifier.

1 [16720014] Yale J Biol Med 78(4):197-201 (2005)

2006 SUMO: regulating the regulator.

2 [16805918] Cell Div 1(-):13 (2006)

2004 Regulation and function of SUMO modification.

3 [15448161] J Biol Chem 279(52):53899-902 (2004)

2001 SP-RING for SUMO: new functions bloom for a ubiquitin-like protein.

4 [11595179] Cell 107(1):5-8 (2001)

2005 SUMO: a history of modification.

5 [15808504] Mol Cell 18(1):1-12 (2005)

2010 The fate of metaphase kinetochores is weighed in the balance of SUMOylation during S phase.

6 [20724819] Cell Cycle 9(16):3194-201 (2010)

2006 SUMO-specific proteases and the cell cycle. An essential role for SENP5 in cell proliferation.

7 [17102611] Cell Cycle 5(20):2310-3 (2006)

2010 Sumoylation and regulation of cardiac gene expression.

8 [20616338] Circ Res 107(1):19-29 (2010)

2009 SUMOylation and deSUMOylation at a glance.

9 [19923268] J Cell Sci 122(Pt 23):4249-52 (2009)

2009 SUMOylation and De-SUMOylation: wrestling with life's processes.

10 [19008217] J Biol Chem 284(13):8223-7 (2009)

2008 Regulation of the sumoylation system in gene expression.

11 [18468876] Curr Opin Cell Biol 20(3):288-93 (2008)

2011 Paracrystals of STAT proteins and their dissolution by SUMO: how reduced transcription factor solubility increases cytokine signaling.

12 [21795761] Oncotarget 2(7):527-8 (2011)

2009 Sumoylation and human disease pathogenesis.

13 [19282183] Trends Biochem Sci 34(4):200-5 (2009)

2010 SUMO--a post-translational modification with therapeutic potential?

14 [20079693] Curr Opin Pharmacol 10(2):146-55 (2010)

2010 Emerging roles of SUMO modification in arthritis.

15 [20627123] Gene 466(1-2):1-15 (2010)

SUN	12369	SUN
KASH	Nucleus	
LINC complex	SUN	

2009 A nuclear-envelope bridge positions nuclei and moves chromosomes.
1 [19225124] J Cell Sci 122(Pt 5):577-86 (2009)
2009 Bringing KASH under the SUN: the many faces of nucleo-cytoskeletal connections.
2 [19687252] J Cell Biol 186(4):461-72 (2009)

SUN2

12370

SUN2

Cell migration Nesprin2G	Nuclear membrane SUN2	TAN lines	
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2011 TAN lines: a novel nuclear envelope structure involved in nuclear positioning.
1 [21818410] Nucleus 2(3):173-81 (2011)

Cephalgia (BASKET)	SUNCT syndrome		
--------------------	----------------	--	--

1997 A review of paroxysmal hemicranias, SUNCT syndrome and other short-lasting headaches with autonomic feature, including new cases.
1 [9055807] Brain 120 (Pt 1)(-):193-209 (1997)
2006 Bilateral SUNCT syndrome associated to chronic maxillary sinus disease.
2 [16917627] Arq Neuropsiquiatr 64(2B):504-6 (2006)

Sunifiram

12372

Sunifiram

Cognitive enhancer	Sunifiram	Unifiram	
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2006 Pharmacological characterization of DM232 (unifiram) and DM235 (sunifiram), new
1 potent cognition enhancers.
[16834757] CNS Drug Rev 12(1):39-52 (2006)

Bevacizumab ttVEGF	Kidney (Neoplasm)	Ranibizumab ttVEGF	Temsirolimus
Everolimus	Pazopanib	Sorafenib	
Gastrointestinal stromal cell tumor GIST	Pegaptanib	Sunitinib	

2008 Sunitinib for advanced renal cell cancer.

1 [19707433] *Biologics* 2(1):97-105 (2008)

2007 Sunitinib: a novel tyrosine kinase inhibitor. A brief review of its therapeutic potential in the treatment of renal carcinoma and gastrointestinal stromal tumors (GIST).

2 [18360643] *Ther Clin Risk Manag* 3(2):341-8 (2007)

2010 Bevacizumab, sorafenib tosylate, sunitinib and temsirolimus for renal cell carcinoma: a systematic review and economic evaluation.

3 [20028613] *Health Technol Assess* 14(2):1-184, iii-iv (2010)

2007 A preclinical review of sunitinib, a multitargeted receptor tyrosine kinase inhibitor with anti-angiogenic and antitumour activities.

4 [17761721] *Ann Oncol* 18 Suppl 10(-):x3-10 (2007)

2007 Surrogate biomarkers in evaluating response to anti-angiogenic agents: focus on sunitinib.

5 [17761718] *Ann Oncol* 18 Suppl 10(-):x11-9 (2007)

2007 Sunitinib: bridging present and future cancer treatment.

6 [17591828] *Ann Oncol* 18 Suppl 6(-):vi31-4 (2007)

2008 Sunitinib-induced macrocytosis in patients with metastatic renal cell carcinoma.

7 [18618496] *Cancer* 113(6):1309-14 (2008)

2007 CCR drug updates: sorafenib and sunitinib in renal cell carcinoma.

8 [17606705] *Clin Cancer Res* 13(13):3765-70 (2007)

2007 Approval summary: sunitinib for the treatment of imatinib refractory or intolerant gastrointestinal stromal tumors and advanced renal cell carcinoma.

9 [17332278] *Clin Cancer Res* 13(5):1367-73 (2007)

2010 Targeted therapy for renal cell cancer: current perspectives.

10 [21122471] *Discov Med* 10(54):394-405 (2010)

2007 Vascular endothelial growth factor: biology and therapeutic applications.

11 [17537667] *Int J Biochem Cell Biol* 39(7-8):1349-57 (2007)

2009 Sorafenib and sunitinib.

12 [19648603] *Oncologist* 14(8):800-5 (2009)

2010 Novel multitargeted anticancer oral therapies: sunitinib and sorafenib as a paradigm.

13 [21090521] *Isr Med Assoc J* 12(10):628-32 (2010)

Sunscreen protection factors			
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2003 The ABCs of sunscreen protection factors.
1 [12839594] J Invest Dermatol 121(1):VII-VIII (2003)

Encyclopedical	Immunoreceptor	Superantigen	
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1995 Superantigen and class II MHC molecules.

1 [8924222] J Korean Med Sci 10(6):393-8 (1995)

2008 Superantigens: a brief review with special emphasis on dermatologic diseases.

2 [18700106] Dermatol Online J 14(2):3 (2008)

1996 Virus-encoded superantigens.

3 [8840782] Microbiol Rev 60(3):473-82 (1996)

1995 Bacterial pyrogenic exotoxins as superantigens.

4 [7553574] Clin Microbiol Rev 8(3):411-26 (1995)

1994 Bacterial superantigens--mechanism of T cell activation by the superantigens and their role in the pathogenesis of infectious diseases.

5 [7935042] Microbiol Immunol 38(4):245-56 (1994)

1996 Immunoregulatory mechanisms of T-cell-dependent shock induced by a bacterial superantigen in mice.

6 [8751882] Infect Immun 64(9):3443-5 (1996)

1990 Microbial "superantigens".

7 [2196226] Infect Immun 58(8):2409-13 (1990)

2001 Sleeping with the enemy--endogenous superantigens in humans.

8 [11672533] Immunity 15(4):503-6 (2001)

2007 Bridging B cell and T cell recognition of antigen.

9 [18025158] J Immunol 179(11):7193 (2007)

2004 Interplay between superantigens and immunoreceptors.

10 [15049778] Scand J Immunol 59(4):345-55 (2004)

2003 Bacterial superantigens.

11 [12930353] Clin Exp Immunol 133(3):299-306 (2003)

1993 Bacterial and viral superantigens: roles in autoimmunity?

12 [8481060] Ann Rheum Dis 52 Suppl 1(-):S6-16 (1993)

1994 Revenge of the microbes. Superantigens of the T and B cell lineage.

13 [8160764] Am J Pathol 144(4):623-36 (1994)

2004 Standard nomenclature for the superantigens expressed by Staphylococcus.

14 [15181583] J Infect Dis 189(12):2334-6 (2004)

Superconducting quantum computer			
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2010 Toward a superconducting quantum computer. Harnessing macroscopic quantum
1 coherence.
[20431256] Proc Jpn Acad Ser B Phys Biol Sci 86(4):275-92 (2010)

Superhydrophobic surface			
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2007 What do we need for a superhydrophobic surface? A review on the recent progress in the preparation of superhydrophobic surfaces.
1 [17619692] Chem Soc Rev 36(8):1350-68 (2007)

Superior mesenteric venous
thrombosis

12378

Vena mesenterior superior
(Thrombose)

Superior mesenteric venous thrombosis			
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2004 Superior mesenteric venous thrombosis: a retrospective study of thirteen cases.

1 [15230668] Rev Esp Enferm Dig 96(6):385-90; 390-4 (2004)

Hearing (Neurophysiology) Ion channel (Potassium) Kv1	Kv2 Kv3 Lateral superior olive	Medial nucleus of the trapezoid body MNTB Medial superior olive Nuclei of the lateral lemniscus	Superior paraolivary nucleus
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2010 Going native: voltage-gated potassium channels controlling neuronal excitability.

1 [20519310] J Physiol 588(Pt 17):3187-200 (2010)

Chiari malformation Ear (Anatomy)	Enlarged vestibular aqueduct syndrome Hearing (Neurophysiology)	Postural control Superior semicircular canal dehiscence	Tinnitus
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2010 The association between semicircular canal dehiscence and Chiari type I malformation.

1 [20956749] Arch Otolaryngol Head Neck Surg 136(10):1009-14 (2010)

2006 Evolutionary changes in the cochlea and labyrinth: Solving the problem of sound transmission to the balance organs of the inner ear.

2 [16552774] Anat Rec A Discov Mol Cell Evol Biol 288(4):482-9 (2006)

2006 Superior Canal Dehiscence Syndrome.

3 [17119781] Braz J Otorhinolaryngol 72(3):414-8 (2006)

Superoinferior ventricles			
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2010 Left ventricle on top versus right ventricle on top in superoinferior ventricles: what are we talking about?
1 [20844618] Tex Heart Inst J 37(4):442-4 (2010)

Amyotrophic lateral sclerosis	CNS (Stroke BASKET)	Ischemia reperfusion	
Antioxidants	Enzyme structure and chemistry	Neuroprotective agents	
Arterial Hypertension (Model)	Fibrosis	STAT3	
CCS	Hydrogen peroxide H2O2	Superoxide dismutase SOD	

2011 Superoxide dismutase in redox biology: the roles of superoxide and hydrogen peroxide.

1 [21453242] *Anticancer Agents Med Chem* 11(4):341-6 (2011)

2010 Metal uptake by manganese superoxide dismutase.

2 [19699328] *Biochim Biophys Acta* 1804(2):298-307 (2010)

2010 The structural biochemistry of the superoxide dismutases.

3 [19914407] *Biochim Biophys Acta* 1804(2):245-62 (2010)

2007 Extracellular SOD inactivation in high-volume hypertension: role of hydrogen peroxide.

4 [17301320] *Arterioscler Thromb Vasc Biol* 27(3):442-4 (2007)

2009 The right to choose: multiple pathways for activating copper,zinc superoxide dismutase.

5 [19586921] *J Biol Chem* 284(37):24679-83 (2009)

2003 On the selectivity of superoxide dismutase mimetics and its importance in pharmacological studies.

6 [14522841] *Br J Pharmacol* 140(3):445-60 (2003)

2010 Superoxide dismutase mimics: chemistry, pharmacology, and therapeutic potential.

7 [20095865] *Antioxid Redox Signal* 13(6):877-918 (2010)

2006 Posttranslational modifications in Cu,Zn-superoxide dismutase and mutations associated with amyotrophic lateral sclerosis.

8 [16771675] *Antioxid Redox Signal* 8(5-6):847-67 (2006)

2010 Import, maturation, and function of SOD1 and its copper chaperone CCS in the mitochondrial intermembrane space.

9 [20367259] *Antioxid Redox Signal* 13(9):1375-84 (2010)

2008 Extracellular superoxide dismutase in pulmonary fibrosis.

10 [17999630] *Antioxid Redox Signal* 10(2):343-54 (2008)

2003 Superoxide dismutases in the lung and human lung diseases.

11 [12796054] *Am J Respir Crit Care Med* 167(12):1600-19 (2003)

2010 Reperfusion and neurovascular dysfunction in stroke: from basic mechanisms to potential strategies for neuroprotection.

12 [20157789] *Mol Neurobiol* 41(2-3):172-9 (2010)

2011 SOD1 Transcriptional and Posttranscriptional Regulation and Its Potential Implications in ALS.

13 [21603028] *Neurol Res Int* 2011(-):458427 (2011)

Superoxide	12383	Superoxid	
Hydrogen peroxide H2O2	Redox (Signal transduction)	Superoxide	

- 2004** **Role of superoxide as a signaling molecule.**
1 [\[15143206\] News Physiol Sci 19\(-\):120-3 \(2004\)](#)
2008 **Cellular defenses against superoxide and hydrogen peroxide.**
2 [\[18173371\] Annu Rev Biochem 77\(-\):755-76 \(2008\)](#)

Suplatast		12384	Suplatast
Asthma (BASKET)	Suplatast		

2009 Effect of suplatast tosilate on antileukotriene non-responders with mild-to-moderate persistent asthma.
1 [19542765] Allergol Int 58(3):389-93 (2009)

Bioinformatics	Literature searching	Support vector machine	
Bird	Ontology	Text mining	
Genetics (GWAS Genome wide association study)	Semantic Web		

2004 Biological applications of support vector machines.
1 [15606969] Brief Bioinform 5(4):328-38 (2004)
2008 GAPscreener: an automatic tool for screening human genetic association literature in PubMed using the support vector machine technique.
2 [18430222] BMC Bioinformatics 9(-):205 (2008)
2008 Automatic identification of bird targets with radar via patterns produced by wing flapping.
3 [18331979] J R Soc Interface 5(26):1041-53 (2008)
2008 Support vector machines and kernels for computational biology.
4 [18974822] PLoS Comput Biol 4(10):e1000173 (2008)
2005 Concept-based annotation of enzyme classes.
5 [15661799] Bioinformatics 21(9):2059-66 (2005)
2008 Qualitative evaluation of chromatographic data from quality control schemes using a support vector machine.
6 [18087621] Analyst 133(1):105-11 (2008)

ADH AVP Vasopressin	Circadian clock	Glucocorticoids	Suprachiasmatic nuclei
Blood vessels (Physiology)	Cryptochrome	Period gene	

2007 Revealing a role of microRNAs in the regulation of the biological clock.
1 [18075311] Cell Cycle 6(24):3034-5 (2007)

2009 Cell "circadian" cycle: new role for mammalian core clock genes.
2 [19221497] Cell Cycle 8(6):832-7 (2009)

2007 Peripheral circadian clocks in the vasculature.
3 [17541024] Arterioscler Thromb Vasc Biol 27(8):1694-705 (2007)

2010 Coordinated regulation of circadian rhythms and homeostasis by the suprachiasmatic
4 nucleus.
[20431263] Proc Jpn Acad Ser B Phys Biol Sci 86(4):391-409 (2010)

2007 Circadian clocks: regulators of endocrine and metabolic rhythms.
5 [17951531] J Endocrinol 195(2):187-98 (2007)

2009 Vasopressin: more than just an output of the circadian pacemaker? Focus on
6 "Vasopressin receptor V1a regulates circadian rhythms of locomotor activity and
expression of clock-controlled genes in the suprachiasmatic nuclei".
[19109364] Am J Physiol Regul Integr Comp Physiol 296(3):R821-3 (2009)

Diabetes mellitus T2DM (Type2)	KATP	Neuroprotective agents	SUR
Ion channel (Potassium)	Kir6 x	Receptor (Sulfonylurea)	

2003 Potassium channel regulation.

1 [14593442] EMBO Rep 4(11):1038-42 (2003)

2008 Drugs acting on SUR1 to treat CNS ischemia and trauma.

2 [18032110] Curr Opin Pharmacol 8(1):42-9 (2008)

2002 Sulfonylurea receptor -1 (SUR1): genetic and metabolic evidences for a role in the susceptibility to type 2 diabetes mellitus.

3 [11938023] Diabetes Metab 28(1):14-9 (2002)

Suramine			
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1998 Conformational requirements of suramin to target angiogenic growth factors.

1 [14517473] *Angiogenesis* 2(2):183-99 (1998)

1993 Suramin: a novel antineoplastic agent with multiple potential mechanisms of action.

2 [8485709] *Cancer Res* 53(10 Suppl):2239-48 (1993)

Fluorescence spectroscopy	Mass spectrometry	Raman spectroscopy	Surface plasmon resonance
Immunoassay	Nanomedicine	Structure det. tissue level to single molecule localization	
Light emitting diode LED	Optics and waves	Structure determination at molecular level and finer	

2005 Proteomic applications of surface plasmon resonance biosensors: analysis of protein arrays.

1 [15761246] Exp Mol Med 37(1):1-10 (2005)

2004 Near-field photonic forces.

2 [15306490] Philos Transact A Math Phys Eng Sci 362(1817):719-37 (2004)

2004 Surface plasmon polaritons in metal stripes and wires.

3 [15306491] Philos Transact A Math Phys Eng Sci 362(1817):739-56 (2004)

2005 Quantitative functional analysis of protein complexes on surfaces.

4 [15613368] J Physiol 563(Pt 1):61-71 (2005)

2011 Label-free analysis of biomolecular interactions using SPR imaging.

5 [21231920] Biotechniques 50(1):32-40 (2011)

2005 Plasmonic technology: novel approach to ultrasensitive immunoassays.

6 [16055432] Clin Chem 51(10):1914-22 (2005)

2010 Surface-enhanced Raman scattering biomedical applications of plasmonic colloidal particles.

7 [20462878] J R Soc Interface 7 Suppl 4(-):S435-50 (2010)

2007 Plasmon-waveguide resonance (PWR) spectroscopy for directly viewing rates of GPCR/G-protein interactions and quantifying affinities.

8 [17869585] Curr Opin Pharmacol 7(5):507-14 (2007)

2009 Surface plasmon resonance for high-throughput ligand screening of membrane-bound proteins.

9 [19918786] Biotechnol J 4(11):1542-58 (2009)

2005 SPR-MS in functional proteomics.

10 [15975263] Brief Funct Genomic Proteomic 4(1):39-47 (2005)

2008 Plasmon-controlled fluorescence: a new paradigm in fluorescence spectroscopy.

11 [18810279] Analyst 133(10):1308-46 (2008)

2007 Development of surface plasmon resonance mass spectrometry array platform.

12 [17590014] Anal Chem 79(15):5987-90 (2007)

2005 Plasmon resonance methods in GPCR signaling and other membrane events.

13 [16101432] Curr Protein Pept Sci 6(4):293-312 (2005)

2011 Light-emitting diodes enhanced by localized surface plasmon resonance.

14 [21711711] Nanoscale Res Lett 6(1):199 (2011)

ABCA3	Lung (Inherited diseases)	NKX2 1	Surfactant
CKAP4	Lung (Malformation)	SFTPB Surfactant protein B	
Lung (Diseases)	Neonatology	SFTPC Surfactant protein C	

2007 Regulation of surfactant secretion in alveolar type II cells.

1 [17496061] Am J Physiol Lung Cell Mol Physiol 293(2):L259-71 (2007)

2003 The potential of recombinant surfactant protein D therapy to reduce inflammation in neonatal chronic lung disease, cystic fibrosis, and emphysema.

2 [14612363] Arch Dis Child 88(11):981-4 (2003)

1991 Surfactant treatment for premature babies--a review of clinical trials.

3 [1953022] Arch Dis Child 66(10):1262 (1991)

1997 Molecular structures and interactions of pulmonary surfactant components.

4 [9108235] Eur J Biochem 244(3):675-93 (1997)

1999 Pulmonary surfactant in health and human lung diseases: state of the art.

5 [10445627] Eur Respir J 13(6):1455-76 (1999)

1997 The role of pulmonary surfactant in obstructive airways disease.

6 [9042653] Eur Respir J 10(2):482-91 (1997)

1994 The proteins of the surfactant system.

7 [8162991] Eur Respir J 7(2):372-91 (1994)

1996 Surfactant protein A and lamellar bodies: a homologous secretory function of peritoneum, synovium, and lung.

8 [8981524] Perit Dial Int 16(6):574-81 (1996)

1995 Pulmonary surfactant therapy.

9 [7863656] West J Med 162(1):43-50 (1995)

2008 Surfactant-replacement therapy for respiratory distress in the preterm and term neonate.

10 [18245434] Pediatrics 121(2):419-32 (2008)

2010 Pulmonary surfactant pathophysiology: current models and open questions.

11 [20551227] Physiology (Bethesda) 25(3):132-41 (2010)

2007 Surfactant replacement therapy.

12 [17494810] Chest 131(5):1577-82 (2007)

2010 Evaluation and management of inherited disorders of surfactant metabolism.

13 [21034611] Chin Med J (Engl) 123(20):2943-7 (2010)

2007 How does pulmonary surfactant reduce surface tension to very low values?

14 [17303712] J Appl Physiol 102(5):1733-4 (2007)

2010 A review on progress in QSPR studies for surfactants.

15 [20479997] Int J Mol Sci 11(3):1020-47 (2010)

2008 The biophysical function of pulmonary surfactant.

16 [18632313] Respir Physiol Neurobiol 163(1-3):244-55 (2008)

2008 Liquid and surfactant delivery into pulmonary airways.

17 [18585985] Respir Physiol Neurobiol 163(1-3):222-31 (2008)

2007 Surfactant for acute lung injury.

18 [17872593] Am J Respir Cell Mol Biol 37(4):377-8 (2007)

2009 Genetic disorders of surfactant dysfunction.

19 [19220077] Pediatr Dev Pathol 12(4):253-74 (2009)

2003 Pulmonary surfactant: the key to the evolution of air breathing.

20 [12869615] News Physiol Sci 18(-):151-7 (2003)

2010 Pulmonary surfactant: an immunological perspective.

21 [20054141] Cell Physiol Biochem 25(1):13-26 (2010)

2010 P63 (CKAP4) as an SP-A receptor: implications for surfactant turnover.

22 [20054143] Cell Physiol Biochem 25(1):41-54 (2010)

2010 Biofoams and natural protein surfactants.

23 [20615601] Biophys Chem 151(3):96-104 (2010)

Blood vessels (Imaging)	Optical imaging (Instrumentation)	Surgery (BASKET)	
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2008 Home-made, adapted and modified devices in surgical practice.

1 [18430343] Ann R Coll Surg Engl 90(3):251-2 (2008)

2007 Knowledge transfer in surgery: skills, process and evaluation.

2 [17999814] Ann R Coll Surg Engl 89(8):749-53 (2007)

2007 The ultimate Aberdeen knot.

3 [17959013] Ann R Coll Surg Engl 89(7):713-7 (2007)

2007 Current attitudes and practices towards diathermy smoke.

4 [17346413] Ann R Coll Surg Engl 89(2):162-5 (2007)

2001 Airway fire during tracheostomy: prevention strategies for surgeons and anaesthetists.

5 [11777128] Ann R Coll Surg Engl 83(6):376-80 (2001)

1973 Hazards in the operating theatre. Contamination of air by anaesthetics.

6 [4578547] Ann R Coll Surg Engl 52(6):360-1 (1973)

1973 Hazards in the operating theatre. Hazards of respiratory circuits.

7 [4578546] Ann R Coll Surg Engl 52(6):349-54 (1973)

2006 Reflections on the mentoring of a young surgeon.

8 [16749976] Can J Surg 49(3):168-9 (2006)

2006 Developing a culture of mentoring.

9 [16749975] Can J Surg 49(3):164-7 (2006)

2003 Objective assessment of technical skills in surgery.

10 [14593041] BMJ 327(7422):1032-7 (2003)

2009 Sutures and suturing techniques in skin closure.

11 [19584482] Indian J Dermatol Venereol Leprol 75(4):425-34 (2009)

2006 Incidence, patterns, and prevention of wrong-site surgery.

12 [16618892] Arch Surg 141(4):353-7; discussion 357-8 (2006)

2010 Intraoperative near-infrared fluorescence imaging in perforator flap reconstruction: current research and early clinical experience.

13 [20027541] J Reconstr Microsurg 26(1):59-65 (2010)

2011 Optical image-guided surgery--where do we stand?

14 [20617389] Mol Imaging Biol 13(2):199-207 (2011)

Surgery (Infection and Hygiene)			
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2009 Reducing surgical site infections: a review.
1 [20111657] Rev Obstet Gynecol 2(4):212-21 (2009)

Surgery (Nerve sparing)

12393

Chirurgie (Nerven erhaltend)

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Bladder (Ectomy)	Natural orifice surgery	Surgery (Robotic)	
Gastroesophageal reflux disease	Prostate (Ectomy)	Uterus (Ectomy)	
Heart (Myocardial bridge)	Ranula	Uterus (Leiomyoma)	

2010 Robotic radical cystectomy: where are we today, where will we be tomorrow?

1 [21103790] ScientificWorldJournal 10(-):2215-27 (2010)

2010 Evidence-based comparison of robotic and open radical prostatectomy.

2 [21103791] ScientificWorldJournal 10(-):2228-37 (2010)

2010 Robotic-assisted surgical myotomy in a 27-year-old man with myocardial bridging of the left anterior descending coronary artery.

3 [20388701] Interact Cardiovasc Thorac Surg 11(2):185-7 (2010)

2011 Robotic-assisted laparoscopic prostatectomy: the ideal application for antegrade nerve-sparing prostatectomy.

4 [21806317] Expert Rev Anticancer Ther 11(7):969-71 (2011)

2010 Robotic myomectomy: a review of indications and techniques.

5 [21364851] Rev Obstet Gynecol 3(4):185-91 (2010)

2011 Robotic-assisted transoral removal of a bilateral floor of mouth ranulas.

6 [21767364] World J Surg Oncol 9(-):78 (2011)

2011 Early experience with the da Vinci surgical system robot in gynecological surgery at King Abdulaziz University Hospital.

7 [21845067] Int J Womens Health 3(-):219-26 (2011)

2010 In vivo miniature robots for natural orifice surgery: State of the art and future perspectives.

8 [21160878] World J Gastrointest Surg 2(6):217-23 (2010)

2011 Robot-assisted urologic surgery in 2010 - Advancements and future outlook.

9 [21346825] Urol Ann 3(1):1-7 (2011)

2010 Robot-assisted laparoscope fundoplication for gastroesophageal reflux disease: a systematic review of randomized controlled trials.

10 [20029202] Digestion 81(1):1-9 (2010)

2011 Robotic-assisted laparoscopic prostatectomy for high-risk prostate cancer: technical considerations and review of the literature.

11 [22084791] ISRN Urol 2011(-):201408 (2011)

2011 The impact of robotic surgery on gynecologic oncology.

12 [21998763] J Gynecol Oncol 22(3):196-202 (2011)

2011 Robotic tubal anastomosis: technical aspects.

13 [21902935] JSLS 15(1):10-5 (2011)

2009 Laparoscopic hysterectomy with and without a robot: Stanford experience.

14 [19660202] JSLS 13(2):125-8 (2009)

SUS1	12395	SUS1	
CDC31	RNA (nRNA BASKET)	SUS1	
Nucleus (pore)	SAC3	THP1	

2009 Transcription at the proximity of the nuclear pore: a role for the THP1-SAC3-SUS1-CDC31 (THSC) complex.

1 [19229139] RNA Biol 6(2):145-8 (2009)

2009 A tale of coupling, Sus1 function in transcription and mRNA export.

2 [19246994] RNA Biol 6(2):141-4 (2009)

Susac s syndrome			
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2007 [Susac syndrome and ocular manifestation in a 14-year-old girl].

1 [18268443] J Fr Ophtalmol 30(10):1017-22 (2007)

2003 [A new case of Susac syndrome and a review of the literature].

2 [12746606] J Fr Ophtalmol 26(3):284-9 (2003)

1998 [Small retinal, cochlear, and cerebral infarctions in the young patient, "SICRET" syndrome of Susac syndrome].

3 [9759431] J Fr Ophtalmol 21(5):375-80 (1998)

2004 Susac syndrome: report of four cases and review of the literature.

4 [15037459] AJNR Am J Neuroradiol 25(3):382-8 (2004)

2004 Susac's syndrome.

5 [15037453] AJNR Am J Neuroradiol 25(3):351-2 (2004)

2009 Susac syndrome as an example of a rare vasculopathy.

6 [19341183] Pol Arch Med Wewn 119(1-2):80-2 (2009)

Asbestos	KIPyV	Mouse Polyoma Virus	SV40 virus
B cell lymphotropic polyomavirus LPV	Merkel cell virus MCV	Neoplasia (Carcinogenesis)	WUPyV
JC Virus	Mesothelioma	Polyomavirus	

- 2002 T antigens of simian virus 40: molecular chaperones for viral replication and tumorigenesis.**
1 [12040123] Microbiol Mol Biol Rev 66(2):179-202 (2002)
- 2004 Emergent human pathogen simian virus 40 and its role in cancer.**
2 [15258090] Clin Microbiol Rev 17(3):495-508, table of contents (2004)
- 2007 Simian virus 40 in humans.**
3 [17620119] Infect Agent Cancer 2(-):13 (2007)
- 1999 Cell and molecular biology of simian virus 40: implications for human infections and disease.**
4 [9923853] J Natl Cancer Inst 91(2):119-34 (1999)
- 1998 A multi-institutional study confirms the presence and expression of simian virus 40 in human malignant mesotheliomas.**
5 [9788590] Cancer Res 58(20):4505-9 (1998)
- 1978 Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period.**
6 [214231] Cancer Res 38(12):4698-710 (1978)
- 2002 Association of SV40 with human tumors.**
7 [11850833] Oncogene 21(8):1141-9 (2002)
- 2001 Transforming functions of Simian Virus 40.**
8 [11753672] Oncogene 20(54):7899-907 (2001)
- 1997 Simian virus 40, poliovaccines and human tumors: a review of recent developments.**
9 [9365233] Oncogene 15(16):1877-88 (1997)
- 2004 Simian virus 40 and human disease.**
10 [15551202] J Infect Dis 190(12):2061-4 (2004)
- 2007 SV40 multiple tissue infection and asbestos exposure in a hyperendemic area for malignant mesothelioma.**
11 [17875683] Cancer Res 67(18):8456-9 (2007)
- 2009 Cellular transformation by Simian Virus 40 and Murine Polyoma Virus T antigens.**
12 [19505649] Semin Cancer Biol 19(4):218-28 (2009)
- 2008 Small tumor antigen of polyomaviruses: role in viral life cycle and cell transformation.**
13 [18022798] J Cell Physiol 215(2):309-19 (2008)
- 2010 Structural evaluation of new human polyomaviruses provides clues to pathobiology.**
14 [20176487] Trends Microbiol 18(5):215-23 (2010)

Receptor (VEGF)	sVEGFR1 sFlt1		
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2010 A systems biology perspective on sVEGFR1: its biological function, pathogenic role and therapeutic use.
1 [19840194] J Cell Mol Med 14(3):528-52 (2010)

Swaddling

12399

Swaddling

Swaddling			
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2007 Swaddling: a systematic review.
1 [17908730] Pediatrics 120(4):e1097-106 (2007)

Swallowing (Neurophysiology)	Taste sensation		
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2001 Brain stem control of swallowing: neuronal network and cellular mechanisms.
1 [\[11274347\]](#) *Physiol Rev* 81(2):929-69 (2001)

2010 Neural mechanisms of swallowing and effects of taste and other stimuli on swallow initiation.
2 [\[21048300\]](#) *Biol Pharm Bull* 33(11):1786-90 (2010)

2010 Sensory input pathways and mechanisms in swallowing: a review.
3 [\[20814803\]](#) *Dysphagia* 25(4):323-33 (2010)

Autonomous nervous system (BASKET) Autonomous nervous system (various reflexes)	Cystic fibrosis Sweat testing		
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2009 Sweat testing to evaluate autonomic function.

1 [18989618] Clin Auton Res 19(2):79-87 (2009)

2007 The limitations of sweat electrolyte reference intervals for the diagnosis of cystic fibrosis: a systematic review.

2 [17687417] Clin Biochem Rev 28(2):60-76 (2007)

Behcet Immunopsychiatry	Pyoderma gangraenosum Sweet s syndrome		
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1978 Acute febrile neutrophilic dermatosis: Sweet's syndrome.
1 [280960] South Med J 71(11):1350-2 (1978)
2007 Sweet's syndrome--a comprehensive review of an acute febrile neutrophilic dermatosis.
2 [17655751] Orphanet J Rare Dis 2(-):34 (2007)
1997 Neutrophilic dermatoses: pyoderma gangrenosum and Sweet's syndrome.
3 [9122099] Postgrad Med J 73(856):65-8 (1997)
2007 Neuro-neutrophilic disease: neuro-Behçet disease and neuro-Sweet disease.
4 [17301507] Intern Med 46(4):153-4 (2007)
2008 Pulmonary and central nervous system involvement in Sweet's syndrome: a very rare case report.
5 [18703859] Intern Med 47(16):1481-4 (2008)

Antibodies (Immunochemistry)	Epigenetics	Receptor (Vitamin D)	WSTF
ARID1A	hSNF5	SMARCA2 BRM	
BAF155	LKB1	SNF5	
BRG1 SMARCA4	Lung and bronchial system (Neoplasia)	SWI SNF	
Chromatin	Muscle (Physiology)	Williams syndrome	

2011 Williams syndrome is an epigenome-regulator disease.
1 [21242649] *Endocr J* 58(2):77-85 (2011)

2009 Hijacking the chromatin remodeling machinery: impact of SWI/SNF perturbations in cancer.
2 [19843852] *Cancer Res* 69(21):8223-30 (2009)

2009 BRG1 and LKB1: tales of two tumor suppressor genes on chromosome 19p and lung cancer.
3 [19176640] *Carcinogenesis* 30(4):547-54 (2009)

2009 Cutting edge: SWI/SNF mediates antisense Igh transcription and locus-wide accessibility in B cell precursors.
4 [19596997] *J Immunol* 183(3):1509-13 (2009)

2008 Involvement of the chromatin-remodeling factor BRG1/SMARCA4 in human cancer.
5 [18437052] *Epigenetics* 3(2):64-8 (2008)

2011 ATP-dependent chromatin remodeling: genetics, genomics and mechanisms.
6 [21358755] *Cell Res* 21(3):396-420 (2011)

2010 SWI/SNF complexes, chromatin remodeling and skeletal myogenesis: it's time to exchange!
7 [20553711] *Exp Cell Res* 316(18):3073-80 (2010)

2010 Structure and function of SWI/SNF chromatin remodeling complexes and mechanistic implications for transcription.
8 [20493208] *Prog Biophys Mol Biol* 102(2-3):122-8 (2010)

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Chromatin	INO80 Complex	SWR1 Complex	
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2007 INO80 subfamily of chromatin remodeling complexes.
1 [17316710] Mutat Res 618(1-2):18-29 (2007)

SXBP1

12407

SXBP1

Edaravone	GADD153 CHOP	Ischemia reperfusion	
ERS UFR (Diseases)	Interleukin6	SXBP1	

2011 **C/EBP homologous protein deficiency attenuates myocardial reperfusion injury by inhibiting myocardial apoptosis and inflammation.**
1 [21330607] Arterioscler Thromb Vasc Biol 31(5):1124-32 (2011)

Sydenham s chorea			
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2004 Sydenham's chorea--an entity in progress.

1 [15326832] [Isr Med Assoc J 6\(8\):492-3 \(2004\)](#)

2006 Sydenham's chorea--clinical and therapeutic update 320 years down the line.

2 [17077917] [S Afr Med J 96\(9 Pt 2\):906-12 \(2006\)](#)

B Cell Receptor	Enzastaurin	Lymphoma (B cell diffuse large)	Syk
BLNK	Everolimus		Temsirolimus
Btk	Fostamatinib	Lymphoma (BASKET)	
Dectin1	Leukemia (chronic lymphatic)	MTOR	
		Protein kinase C beta	

2000 BLNK: connecting Syk and Btk to calcium signals.
1 [10661400] Immunity 12(1):1-5 (2000)
2009 Syk and pTyr'd: Signaling through the B cell antigen receptor.
2 [19306898] Biochim Biophys Acta 1793(7):1115-27 (2009)
2010 Signal transduction inhibitor therapy for lymphoma.
3 [21239804] Hematology Am Soc Hematol Educ Program 2010(-):265-70 (2010)
2011 Syk-coupled C-type lectins in immunity.
4 [21334257] Trends Immunol 32(4):151-6 (2011)

Codevelopment	Mycorrhizae	Symbiosis	
Development (Environmental factors)	Plants (BASKET)		

2000 Molecular basis of symbiotic promiscuity.
1 [10704479] Microbiol Mol Biol Rev 64(1):180-201 (2000)

2006 Symbiosis.
2 [17055966] Curr Biol 16(20):R866-71 (2006)

2010 Host-bacterial symbiosis in health and disease.
3 [21034976] Adv Immunol 107(-):243-74 (2010)

2010 Symbiosis as a source of selectable epigenetic variation: taking the heat for the big guy.
4 [20083641] Philos Trans R Soc Lond B Biol Sci 365(1540):671-8 (2010)

2010 A complex journey: transmission of microbial symbionts.
5 [20157340] Nat Rev Microbiol 8(3):218-30 (2010)

2007 How rhizobial symbionts invade plants: the Sinorhizobium-Medicago model.
6 [17632573] Nat Rev Microbiol 5(8):619-33 (2007)

Syme amputation	12411	Syme Amputation
Syme amputation		

1969 **Syme's amputation. A review of sixty-seven cases.**
1 [\[5820791\] J Bone Joint Surg Br 51\(3\):482-7 \(1969\)](#)

Hyperhidrosis	Sympathectomy		
---------------	---------------	--	--

1984 Current status of thoracic dorsal sympathectomy.

1 [6481864] J Vasc Surg 1(1):202-14 (1984)

2011 Guidelines on surgery of the thoracic sympathetic nervous system.

2 [21342743] Arch Bronconeumol 47(2):94-102 (2011)

2011 Video-assisted thoracic sympathectomy for the treatment of axillary hyperhidrosis.

3 [21390425] J Bras Pneumol 37(1):4-5 (2011)

2006 Endoscopic thoracic sympathectomy for palmar hyperhidrosis.

4 [16702927] Ann Thorac Cardiovasc Surg 12(2):81-2 (2006)

2004 Thoracoscopic sympathetic surgery for hand sweating.

5 [15008691] Ann Thorac Cardiovasc Surg 10(1):4-8 (2004)

2007 Endoscopic thoracic sympathectomy for hyperhidrosis: Technique and results.

6 [19789674] J Minim Access Surg 3(4):132-40 (2007)

Kidney (Chronic renal failure)	Sympathetic hyperactivity		
--------------------------------	---------------------------	--	--

2007 Sympathetic hyperactivity--a hidden enemy in chronic kidney disease patients.
1 [17556322] Perit Dial Int 27 Suppl 2(-):S293-7 (2007)

Adipose tissue (BASKET)	Circulation (Neurophysiology)	Organum vasculosum laminae terminalis	Stress (Neurophysiology)
Arterial hypertension (BASKET)	ERSNA efferent renal sympathetic nervous activity	Osmosensor	Sympathetic nervous system
Autonomous nervous system (BASKET)	Kidney (Progression of renal disease)	Osteoporosis	
Cardiovascular risk	Natriuretic peptides	Receptor (Mineralcorticoid)	

2006 Why study sympathetic nervous system?

1 [17244940] J Physiol Pharmacol 57 Suppl 11(-):79-92 (2006)

2008 Role of the caudal pressor area in the regulation of sympathetic vasomotor tone.

2 [18719736] Braz J Med Biol Res 41(7):557-62 (2008)

2004 Interactions between the sympathetic nervous system and the cardiac natriuretic peptide system.

3 [15276469] Cardiovasc Res 63(3):443-9 (2004)

2007 Thematic review series: adipocyte biology. Sympathetic and sensory innervation of white adipose tissue.

4 [17460327] J Lipid Res 48(8):1655-72 (2007)

2010 Hyperosmotic activation of CNS sympathetic drive: implications for cardiovascular disease.

5 [20603334] J Physiol 588(Pt 18):3375-84 (2010)

2008 Pharmacological topics of bone metabolism: the physiological function of the sympathetic nervous system in modulating bone resorption.

6 [18431037] J Pharmacol Sci 106(4):542-6 (2008)

2010 Sympathetic nervous system overactivity and its role in the development of cardiovascular disease.

7 [20393193] Physiol Rev 90(2):513-57 (2010)

2009 Catecholaminergic systems in stress: structural and molecular genetic approaches.

8 [19342614] Physiol Rev 89(2):535-606 (2009)

2010 The 2009 Carl Ludwig Lecture: Pathophysiology of the human sympathetic nervous system in cardiovascular diseases: the transition from mechanisms to medical management.

9 [19940096] J Appl Physiol 108(2):227-37 (2010)

2010 Specific control of sympathetic nerve activity to the mammalian heart and kidney.

10 [19617268] Exp Physiol 95(1):34-40 (2010)

2010 Quantifying sympathetic nerve activity: problems, pitfalls and the need for standardization.

11 [19700515] Exp Physiol 95(1):41-50 (2010)

2005 Differential effects of behaviour on sympathetic outflow during sleep and exercise.

12 [15604111] Exp Physiol 90(2):155-8 (2005)

2008 A sympathetic view of the sympathetic nervous system and human blood pressure regulation.

13 [18326553] Exp Physiol 93(6):715-24 (2008)

2008 Altered central catecholaminergic transmission and cardiovascular disease.

14 [18326552] Exp Physiol 93(6):725-40 (2008)

2008 Sympathetic nervous system: evaluation and importance for clinical general anaesthesia.

15 [19034109] Anesthesiology 109(6):1113-31 (2008)

2011 Mineralocorticoid receptors in the brain and cardiovascular regulation: minority rule?

16 [21429762] Trends Endocrinol Metab 22(5):179-87 (2011)

2009 Sympathetic activation in cardiovascular and renal disease.

17 [19384835] J Nephrol 22(2):190-5 (2009)

2008 Neurohormonal regulation of the sympathetic nervous system: new insights into central mechanisms of action.

18 [18765096] Curr Hypertens Rep 10(3):233-40 (2008)

Bassoon Hearing (Neurophysiology)	Piccolo RIBEYE	Synapse (Ribbon) Vision (Neurophysiology)	
---	-------------------	--	--

2010 The diverse roles of ribbon synapses in sensory neurotransmission.

1 [21045860] Nat Rev Neurosci 11(12):812-22 (2010)

2009 The molecular architecture of ribbon presynaptic terminals.

2 [19253034] Mol Neurobiol 39(2):130-48 (2009)

2009 The role of ribbons at sensory synapses.

3 [19264728] Neuroscientist 15(4):380-91 (2009)

Long term potentiation (Neurophysiology)	Synapse (Silent)		
---	------------------	--	--

2008 Silent synapses and the emergence of a postsynaptic mechanism for LTP.

1 [18854855] Nat Rev Neurosci 9(11):813-25 (2008)

Adrenal gland (BASKET)	ERC2	Long term potentiation (Neurophysiology)	RIM
Catenin	Fragile X syndrome		Synapse
Cell secretion (Granule secretion)	Growth cone	MALS Veli Cask Mint1 complex	Syndecan
CNS (Astrocyte)	Hevin Sparc like1	Neuron (BASKET)	Syntaxin
CNS (Development)	Kalirin7	Neuron (Dendrite)	Tomosyn
Dallylike	LAR	Neuron (Dendritic spines)	Ubiquitin
Dystrophin associated glycoprotein complex	Liprin alpha	Neuronal network (Neurophysiology)	
Dystrophin	Long term depression	Nidogen	
		PSD95	

2008 New concepts in synaptic biology derived from single-molecule imaging.

- 1 [18701063] *Neuron* 59(3):359-74 (2008)
- 2003 Mechanisms of synapse assembly and disassembly.
2 [14556707] *Neuron* 40(2):243-64 (2003)
- 2009 The molecular physiology of activity-dependent bulk endocytosis of synaptic vesicles.
3 [19765184] *J Neurochem* 111(4):901-14 (2009)
- 2009 An emerging view of presynaptic structure from electron microscopic studies.
4 [19154334] *J Neurochem* 108(6):1336-42 (2009)
- 2006 Seeking long-term relationship: axon and target communicate to organize synaptic differentiation.
5 [16638017] *J Neurochem* 97(5):1215-31 (2006)
- 1999 Mechanisms of synaptic vesicle recycling illuminated by fluorescent dyes.
6 [10582580] *J Neurochem* 73(6):2227-39 (1999)
- 2008 Frequency-dependent signal transmission and modulation by neuromodulators.
7 [19225586] *Front Neurosci* 2(2):138-44 (2008)
- 2002 Fine tuning of sympathetic transmitter release via ionotropic and metabotropic presynaptic receptors.
8 [11870260] *Pharmacol Rev* 54(1):43-99 (2002)
- 2005 Observations of synaptic structures: origins of the neuron doctrine and its current status.
9 [16147523] *Philos Trans R Soc Lond B Biol Sci* 360(1458):1281-307 (2005)
- 1999 The role of glial cells in synaptic function.
10 [10212490] *Philos Trans R Soc Lond B Biol Sci* 354(1381):403-9 (1999)
- 1999 Extracellular glutamate diffusion determines the occupancy of glutamate receptors at CA1 synapses in the hippocampus.
11 [10212489] *Philos Trans R Soc Lond B Biol Sci* 354(1381):395-402 (1999)
- 2008 Molecular mechanisms governing competitive synaptic wiring in cerebellar Purkinje cells.
12 [18323688] *Tohoku J Exp Med* 214(3):175-90 (2008)
- 2008 Dendritic excitability and synaptic plasticity.
13 [18391179] *Physiol Rev* 88(2):769-840 (2008)
- 2006 Spike timing-dependent plasticity: from synapse to perception.
14 [16816145] *Physiol Rev* 86(3):1033-48 (2006)
- 2004 Structural contributions to short-term synaptic plasticity.
15 [14715911] *Physiol Rev* 84(1):69-85 (2004)
- 1998 Retrograde signaling in the development and modification of synapses.
16 [9457171] *Physiol Rev* 78(1):143-70 (1998)
- 1973 Notes on synaptic vesicles and related structures, endoplasmic reticulum, lysosomes and peroxisomes in nervous tissue and the adrenal medulla.
17 [4574997] *J Histochem Cytochem* 21(4):349-85 (1973)
- 1973 Ultrastructural identification of catecholamine-containing central synaptic terminals.
18 [4122462] *J Histochem Cytochem* 21(4):333-48 (1973)
- 1987 The synaptic vesicle and the cytoskeleton.
19 [3322260] *Biochem J* 247(2):249-58 (1987)
- 2003 Synapse disassembly.
20 [12952887] *Genes Dev* 17(17):2075-82 (2003)
- 2005 New neurons in the adult mammalian brain: synaptogenesis and functional integration.
21 [16280573] *J Neurosci* 25(45):10366-8 (2005)
- 1990 Developing concepts of the synapses.
22 [1980129] *J Neurosci* 10(12):3769-81 (1990)
- 2002 Structural remodeling of the synapse in response to physiological activity.
23 [11792314] *Cell* 108(1):1-4 (2002)
- 2005 Synaptogenesis: a balancing act between excitation and inhibition.
24 [15797012] *Curr Biol* 15(6):R203-5 (2005)
- 2008 Electrophysiological description of mechanisms determining synaptic transmission and its modulation.
25 [18511960] *Acta Neurobiol Exp (Wars)* 68(2):256-63 (2008)

2010 Genetics and cell biology of building specific synaptic connectivity.
 26 [20367446] *Annu Rev Neurosci* 33(-):473-507 (2010)
2009 Synaptic mechanisms for plasticity in neocortex.
 27 [19400721] *Annu Rev Neurosci* 32(-):33-55 (2009)
2008 Roles of ubiquitination at the synapse.
 28 [18222124] *Biochim Biophys Acta* 1779(8):495-506 (2008)
2010 The architecture of an excitatory synapse.
 29 [20200227] *J Cell Sci* 123(Pt 6):819-23 (2010)
2007 LAR, liprin alpha and the regulation of active zone morphogenesis.
 30 [17959628] *J Cell Sci* 120(Pt 21):3723-8 (2007)
2010 Kalirin-7 is a key player in the formation of excitatory synapses in hippocampal neurons.
 31 [20730383] *ScientificWorldJournal* 10(-):1655-66 (2010)
2003 Synaptogenesis in the CNS: an odyssey from wiring together to firing together.
 32 [12897180] *J Physiol* 552(Pt 1):1-11 (2003)
2010 Excitatory amino acid involvement in dendritic spine formation, maintenance and remodelling.
 33 [19933758] *J Physiol* 588(Pt 1):107-16 (2010)
2007 Multivesicular release and saturation of glutamatergic signalling at retinal ribbon synapses.
 34 [17218359] *J Physiol* 580(Pt 1):23-9 (2007)
2009 Roles of glial cells in synapse development.
 35 [19308323] *Cell Mol Life Sci* 66(13):2037-47 (2009)
2007 Catenins: playing both sides of the synapse.
 36 [17936606] *Curr Opin Cell Biol* 19(5):551-6 (2007)
2004 Cell adhesion molecules in synapse formation.
 37 [15496659] *J Neurosci* 24(42):9244-9 (2004)
2010 Setting up presynaptic structures at specific positions.
 38 [20471244] *Curr Opin Neurobiol* 20(4):489-93 (2010)
2010 Regulation of spine and synapse formation by activity-dependent intracellular signaling pathways.
 39 [19896363] *Curr Opin Neurobiol* 20(1):108-15 (2010)
2010 The dynamic ubiquitin ligase duo: Cdh1-APC and Cdc20-APC regulate neuronal morphogenesis and connectivity.
 40 [20060286] *Curr Opin Neurobiol* 20(1):92-9 (2010)
2008 Signaling by synaptogenic molecules.
 41 [18725297] *Curr Opin Neurobiol* 18(3):261-9 (2008)
2010 The roles of the dystrophin-associated glycoprotein complex at the synapse.
 42 [19899002] *Mol Neurobiol* 41(1):1-21 (2010)
2008 Cadherins and catenins at synapses: roles in synaptogenesis and synaptic plasticity.
 43 [18684518] *Trends Neurosci* 31(9):487-94 (2008)
2009 Friends and foes in synaptic transmission: the role of tomosyn in vesicle priming.
 44 [19307030] *Trends Neurosci* 32(5):275-82 (2009)
2008 Glial imaging during synapse remodeling at the neuromuscular junction.
 45 [19939298] *Neuron Glia Biol* 4(4):319-26 (2008)
2010 Molecular mechanisms of synaptic specificity.
 46 [19969086] *Mol Cell Neurosci* 43(3):261-7 (2010)
2010 Historical landmarks in the histochemistry of the cholinergic synapse: Perspectives for future researches.
 47 [20203414] *Biomed Res* 31(1):1-12 (2010)
2009 The state of synapses in fragile X syndrome.
 48 [19325170] *Neuroscientist* 15(5):549-67 (2009)
2008 Excitation Control: Balancing PSD-95 Function at the Synapse.
 49 [18946537] *Front Mol Neurosci* 1(-):4 (2008)
2008 E-I balance and human diseases - from molecules to networking.
 50 [18946535] *Front Mol Neurosci* 1(-):2 (2008)
2010 Synapse pathology in psychiatric and neurologic disease.
 51 [20425036] *Curr Neurol Neurosci Rep* 10(3):207-14 (2010)
2011 The many forms and functions of long term plasticity at GABAergic synapses.
 52 [21789285] *Neural Plast* 2011(-):254724 (2011)
2009 Synaptogenesis: new roles for an old player.
 53 [20064419] *Curr Biol* 19(24):R1114-5 (2009)
2002 Glycobiology of the synapse.
 54 [11825881] *Glycobiology* 12(1):1R-7R (2002)
2009 The role of astrocyte-secreted matricellular proteins in central nervous system development and function.
 55 [19904629] *J Cell Commun Signal* 3(3-4):167-76 (2009)
2008 Synaptic vesicle fusion.
 56 [18618940] *Nat Struct Mol Biol* 15(7):665-74 (2008)

CNS (Astrocyte)	Learning and memory (Neurophysiology)	Synaptic plasticity	
-----------------	--	---------------------	--

2010 Unraveling mechanisms of homeostatic synaptic plasticity.

1 [20471348] *Neuron* 66(3):337-51 (2010)

2010 An active role for astrocytes in synaptic plasticity?

2 [20610782] *J Neurophysiol* 104(3):1216-8 (2010)

2011 Imaging synaptic plasticity.

3 [21958593] *Mol Brain* 4(-):36 (2011)

2010 Emotional enhancement of memory: how norepinephrine enables synaptic plasticity.

4 [20465834] *Mol Brain* 3(-):15 (2010)

Cell secretion (Granule secretion)	Synaptotagmin		
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2002 **Synaptotagmins: why so many?**
1 [11739399] J Biol Chem 277(10):7629-32 (2002)
2010 **Cell biology of Ca2+-triggered exocytosis.**
2 [20561775] Curr Opin Cell Biol 22(4):496-505 (2010)
2002 **Role of synaptotagmin in Ca2+-triggered exocytosis.**
3 [12047220] Biochem J 366(Pt 1):1-13 (2002)
2009 **Synaptotagmins in neurodegeneration.**
4 [19943339] Anat Rec (Hoboken) 292(12):1849-62 (2009)

Mast cells	Neuron (BASKET)	SynCAM SgIGSF	
------------	-----------------	---------------	--

2006 Direct interaction between nerves and mast cells mediated by the SgIGSF/SynCAM
1 adhesion molecule.
[16936456] J Pharmacol Sci 102(1):1-5 (2006)

Structure det. tissue level to single molecule localization	Structure determination at molecular level and finer	Synchrotron radiation	
---	--	-----------------------	--

2006 X-Ray microanalytical techniques based on synchrotron radiation.

1 [16395457] J Environ Monit 8(1):33-42 (2006)

Anoxic epileptic seizures	Autonomous nervous system (Failure)	Heart (Physiology)	Water (Physiology renal)
Autoantibodies Anti AChR	Autonomous nervous system (various reflexes)	Heart pacemaker (BASKET)	
Autoimmune autonomic ganglionopathy	Carotid sinus syndrome	Syncope	
Autonomous nervous system (BASKET)	Epilepsy (BASKET)	Tilt table	

2004 Neurocardiogenic syncope.

1 [15297344] BMJ 329(7461):336-41 (2004)

1987 Syncope.

2 [3554531] South Med J 80(5):545-53 (1987)

2007 Holter monitoring for syncope: diagnostic yield in different patient groups and impact on device implantation.

3 [18089543] QJM 100(12):771-7 (2007)

1999 The management of vasovagal syncope.

4 [10581332] QJM 92(12):697-705 (1999)

1999 Tilt table testing in the diagnosis of unexplained syncope.

5 [10542301] QJM 92(11):623-9 (1999)

1997 Drop attacks in the elderly revisited.

6 [9093582] QJM 90(1):1-3 (1997)

2010 The implantable loop recorder in older patients with syncope: is sooner better?

7 [20197282] Age Ageing 39(3):284-5 (2010)

2006 Distinguishing syncopal from non-syncopal causes of fall in older people.

8 [16926204] Age Ageing 35 Suppl 2(-):ii46-ii50 (2006)

2007 Postural syncope: mechanisms and management.

9 [17767437] Med J Aust 187(5):299-304 (2007)

2009 Yield of diagnostic tests in evaluating syncopal episodes in older patients.

10 [19636031] Arch Intern Med 169(14):1299-305 (2009)

2006 Carotid sinus hypersensitivity in asymptomatic older persons: implications for diagnosis of syncope and falls.

11 [16534037] Arch Intern Med 166(5):515-20 (2006)

1999 Prognosis of diastolic and systolic orthostatic hypotension in older persons.

12 [9989539] Arch Intern Med 159(3):273-80 (1999)

1996 Recognizing syncope: pitfalls and surprises.

13 [8774533] J R Soc Med 89(7):372-5 (1996)

2001 A systematic review of vertigo in primary care.

14 [11510399] Br J Gen Pract 51(469):666-71 (2001)

2008 Vertigo - part 2 - management in general practice.

15 [18523693] Aust Fam Physician 37(6):409-13 (2008)

2008 Diagnosis and treatment of vertigo and dizziness.

16 [19629221] Dtsch Arztebl Int 105(10):173-80 (2008)

2007 The Risk stratification Of Syncope in the Emergency department (ROSE) pilot study: a comparison of existing syncope guidelines.

17 [17384381] Emerg Med J 24(4):270-5 (2007)

2006 Collapse query cause: the management of adult syncope in the emergency department.

18 [16858087] Emerg Med J 23(8):589-94 (2006)

2004 Value of serum prolactin in the management of syncope.

19 [14988379] Emerg Med J 21(2):e3 (2004)

2002 Risk stratification of patients with syncope in an accident and emergency department.

20 [11777866] Emerg Med J 19(1):23-7 (2002)

2007 Diagnosis and treatment of syncope.

21 [17170354] Heart 93(1):130-6 (2007)

2006 Cerebral autoregulation in neurally mediated syncope: victim or executioner?

22 [16269439] Heart 92(6):724-6 (2006)

2006 Diagnosis and management of patients with blackouts.

23 [16537784] Heart 92(4):559-68 (2006)

2003 Differential diagnosis of cardiogenic syncope and seizure disorders.

24 [12591858] Heart 89(3):353-8 (2003)

2003 Syncope: what is the trigger?

25 [12527651] Heart 89(2):123-4 (2003)

2001 Implantable loop recorder: towards a gold standard for the diagnosis of syncope?

26 [11359733] Heart 85(6):610-2 (2001)

1994 Head-up tilt testing. The balance of evidence.

27 [7946767] Br Heart J 72(3):216-7 (1994)

1982 Carotid sinus syncope.

28 [7073900] Br Heart J 47(5):409-10 (1982)

1996 Recurrent unexplained syncope: diagnostic and therapeutic approach.

29 [9191491] Can J Cardiol 12(10):989-94 (1996)

2008 Syncope: review of monitoring modalities.

30 [19924276] Curr Cardiol Rev 4(1):41-8 (2008)

2010 Is it possible to accurately differentiate neurocardiogenic syncope from epilepsy?

31 [20690104] Cardiol J 17(4):420-7 (2010)

2008 Syncope in congestive heart failure.

32 [18698538] *Cardiol J* 15(4):303-12 (2008)

2006 The utility of implantable loop recorders for diagnosing unexplained syncope in 100
 33 consecutive patients: five-year, single-center experience.
 [16816436] *J Invasive Cardiol* 18(7):313-5 (2006)

2009 Genetic aspects of vasovagal syncope: a systematic review of current evidence.
 34 [19153089] *Europace* 11(4):414-20 (2009)

2009 Management of syncope in the Emergency Department: a single hospital observational
 35 case series based on the application of European Society of Cardiology Guidelines.
 [19038976] *Europace* 11(2):216-24 (2009)

2009 A review of postural orthostatic tachycardia syndrome.
 36 [19088364] *Europace* 11(1):18-25 (2009)

2007 Syncope in hypertrophic cardiomyopathy: mechanisms and consequences for
 37 treatment.
 [17522079] *Europace* 9(9):817-22 (2007)

2007 Should the 'adenosine-challenge test' be part of the routine work-up for syncope?
 38 [17639069] *Europace* 9(8):557-8 (2007)

2006 Standardized-care pathway vs. usual management of syncope patients presenting as
 39 emergencies at general hospitals.
 [16864618] *Europace* 8(8):644-50 (2006)

2004 Guidelines on management (diagnosis and treatment) of syncope--update 2004.
 40 [15519256] *Europace* 6(6):467-537 (2004)

2004 Defaecation syncope: new light on an old problem.
 41 [15121068] *Europace* 6(3):189-91 (2004)

2003 Management of syncope referred urgently to general hospitals with and without
 42 syncope units.
 [12842646] *Europace* 5(3):293-8 (2003)

2003 Management of patients with syncope referred urgently to general hospitals.
 43 [12842645] *Europace* 5(3):283-91 (2003)

2002 The application of a standardized strategy of evaluation in patients with syncope
 44 referred to three syncope units.
 [12408252] *Europace* 4(4):351-5 (2002)

2001 Components of clinical trials for vasovagal syncope.
 45 [11467466] *Europace* 3(3):233-40 (2001)

2001 Task force on syncope, European Society of Cardiology. Part 1. The initial evaluation of
 46 patients with syncope.
 [11678381] *Europace* 3(4):253-60 (2001)

2001 Task force on syncope, European Society of Cardiology. Part 2. Diagnostic tests and
 47 treatment: summary of recommendations.
 [11678382] *Europace* 3(4):261-8 (2001)

2000 Exercise-induced neurocardiogenic syncope: clinical data, pathophysiological aspects,
 48 and potential role of tilt table testing.
 [11225599] *Europace* 2(1):77-82 (2000)

2010 Comparative clinical profile of postural orthostatic tachycardia patients with and
 49 without joint hypermobility syndrome.
 [20376184] *Indian Pacing Electrophysiol J* 10(4):173-8 (2010)

2006 The Postural Tachycardia Syndrome (POTS): pathophysiology, diagnosis &
 50 management.
 [16943900] *Indian Pacing Electrophysiol J* 6(2):84-99 (2006)

2000 Oesophageal syncope.
 51 [10932658] *Ann R Coll Surg Engl* 82(4):249-53 (2000)

2005 Vertigo and imbalance in children: a retrospective study in a Helsinki University
 52 otorhinolaryngology clinic.
 [16301372] *Arch Otolaryngol Head Neck Surg* 131(11):996-1000 (2005)

2009 Glossopharyngeal and limited vagal neurectomy for cancer-related carotid sinus
 53 syncope.
 [20190949] *Skull Base* 19(5):369-73 (2009)

2000 Vasovagal syncope.
 54 [11074905] *Ann Intern Med* 133(9):714-25 (2000)

1997 Diagnosing syncope. Part 2: Unexplained syncope. Clinical Efficacy Assessment Project
 55 of the American College of Physicians.
 [9214258] *Ann Intern Med* 127(1):76-86 (1997)

1997 Diagnosing syncope. Part 1: Value of history, physical examination, and
 56 electrocardiography. Clinical Efficacy Assessment Project of the American College of
 Physicians.
 [9182479] *Ann Intern Med* 126(12):989-96 (1997)

2003 Syncope in childhood.
 57 [12651770] *Arch Dis Child* 88(4):350-3 (2003)

1948 ORTHOSTATIC HYPOTENSION AND ORTHOSTATIC TACHYCARDIA: NEW CLINICAL
 58 OBSERVATIONS, SUCCESSFUL TREATMENT WITH PAREDRIANE, AND REVIEW OF
 LITERATURE.
 [18731548] *Calif Med* 69(4):255-61 (1948)

1994 Worsening of vasovagal syncope after beta-blocker therapy.
 59 [7915980] *Chest* 106(3):963-5 (1994)

2009 Neurogenic orthostatic hypotension: a pathophysiological approach.
 60 [19124673] *Circulation* 119(1):139-46 (2009)

2006 AHA/ACC Scientific Statement on the evaluation of syncope: from the American Heart
 61 Association Councils on Clinical Cardiology, Cardiovascular Nursing, Cardiovascular
 Disease in the Young, and Stroke, and the Quality of Care and Outcomes Research
 Interdisciplinary Working Group; and the American College of Cardiology Foundation:
 in collaboration with the Heart Rhythm Society: endorsed by the American Autonomic
 Society.

- [16418451] *Circulation* 113(2):316-27 (2006)
- 2005 **Neurocardiogenic syncope and related disorders of orthostatic intolerance.**
62 [15939833] *Circulation* 111(22):2997-3006 (2005)
- 2004 **Specialized syncope evaluation.**
63 [15596557] *Circulation* 110(24):3621-3 (2004)
- 2002 **Current evaluation and management of syncope.**
64 [12270849] *Circulation* 106(13):1606-9 (2002)
- 2001 **Syncope evaluation at a crossroad: for which patients?**
65 [11435328] *Circulation* 104(1):7-8 (2001)
- 2000 **The elusive pathophysiology of neurally mediated syncope.**
66 [11104751] *Circulation* 102(23):2898-906 (2000)
- 1999 **Pharmacotherapy of neurally mediated syncope.**
67 [10484547] *Circulation* 100(11):1242-8 (1999)
- 2008 **Syncope and trauma. Are syncope-related traumatic injuries the key to find the specific cause of the symptom?**
68 [18263868] *Eur Heart J* 29(5):576-8 (2008)
- 2008 **Physical injuries caused by a transient loss of consciousness: main clinical characteristics of patients and diagnostic contribution of carotid sinus massage.**
69 [18086659] *Eur Heart J* 29(5):618-24 (2008)
- 2006 **Adenosine test in the diagnosis of unexplained syncope: marker of conducting tissue disease or neurally mediated syncope?**
70 [16574690] *Eur Heart J* 27(12):1396-400 (2006)
- 2006 **Evidence-based common sense: the role of clinical history for the diagnosis of vasovagal syncope.**
71 [16308325] *Eur Heart J* 27(3):253-4 (2006)
- 2006 **A new management of syncope: prospective systematic guideline-based evaluation of patients referred urgently to general hospitals.**
72 [16272210] *Eur Heart J* 27(1):76-82 (2006)
- 2006 **Hospital admission of patients referred to the Emergency Department for syncope: a single-hospital prospective study based on the application of the European Society of Cardiology Guidelines on syncope.**
73 [16126717] *Eur Heart J* 27(1):83-8 (2006)
- 2004 **Guidelines on management (diagnosis and treatment) of syncope-update 2004. Executive Summary.**
74 [15541843] *Eur Heart J* 25(22):2054-72 (2004)
- 2001 **Guidelines on management (diagnosis and treatment) of syncope.**
75 [11465961] *Eur Heart J* 22(15):1256-306 (2001)
- 2001 **Management of syncope: head-up tilt test or electrophysiological study?**
76 [11350088] *Eur Heart J* 22(10):806-8 (2001)
- 2001 **The role of tilt table testing in neurocardiac instability in older adults.**
77 [11207078] *Eur Heart J* 22(5):370-2 (2001)
- 2000 **Investigation of syncope: increasing the yield and reducing the cost.**
78 [10806009] *Eur Heart J* 21(11):877-80 (2000)
- 1999 **Neurocardiogenic, vasovagal syncope.**
79 [10562472] *Eur Heart J* 20(23):1686-7 (1999)
- 1999 **Pacing for vasovagal syncope.**
80 [10573480] *Heart* 82(6):649-50 (1999)
- 2008 **Syncope: diagnostic challenge and economic burden.**
81 [18432032] *Isr Med Assoc J* 10(2):149-51 (2008)
- 2006 **Carotid sinus hypersensitivity: an age-related phenomenon.**
82 [16788007] *J Neurol Neurosurg Psychiatry* 77(11):1207 (2006)
- 2006 **Unexplained syncope--is screening for carotid sinus hypersensitivity indicated in all patients aged >40 years?**
83 [16735395] *J Neurol Neurosurg Psychiatry* 77(11):1267-70 (2006)
- 1998 **Treatment of postural hypotension.**
84 [9728937] *J Neurol Neurosurg Psychiatry* 65(3):285-9 (1998)
- 2008 **Management of syncope in adults: an update.**
85 [18990328] *Mayo Clin Proc* 83(11):1280-93 (2008)
- 2005 **Diagnostic yield and utility of neurovascular ultrasonography in the evaluation of patients with syncope.**
86 [15819284] *Mayo Clin Proc* 80(4):480-8 (2005)
- 2006 **How to avoid a misdiagnosis in patients presenting with transient loss of consciousness.**
87 [17068273] *Postgrad Med J* 82(972):630-41 (2006)
- 2006 **The patient with supine hypertension and orthostatic hypotension: a clinical dilemma.**
88 [16597811] *Postgrad Med J* 82(966):246-53 (2006)
- 2001 **Important points in the clinical evaluation of patients with syncope.**
89 [11161076] *Postgrad Med J* 77(904):99-102 (2001)
- 2001 **Current investigations used to assess syncope.**
90 [11123388] *Postgrad Med J* 77(903):20-3 (2001)
- 2000 **The pathophysiology of common causes of syncope.**
91 [11085764] *Postgrad Med J* 76(902):750-3 (2000)
- 1997 **The overlap between syncope and falls in the elderly.**
92 [9497972] *Postgrad Med J* 73(864):635-9 (1997)
- 2000 **Neurally mediated syncope.**
93 [11093411] *Tex Heart Inst J* 27(3):268-72 (2000)
- 1992 **Orthostatic hypotension. Causes, evaluation, and management.**
94 [1475949] *West J Med* 157(6):652-7 (1992)
- 2008 **Vasovagal syncope in the older patient.**
95 [18261677] *J Am Coll Cardiol* 51(6):599-606 (2008)
- 2008 **Syncope management from emergency department to hospital.**

- 96 [18206737] J Am Coll Cardiol 51(3):284-7 (2008)
AHA/ACCF scientific statement on the evaluation of syncope: from the American Heart Association Councils on Clinical Cardiology, Cardiovascular Nursing, Cardiovascular Disease in the Young, and Stroke, and the Quality of Care and Outcomes Research
- 97 **Interdisciplinary Working Group; and the American College of Cardiology Foundation In Collaboration With the Heart Rhythm Society.**
[16412888] J Am Coll Cardiol 47(2):473-84 (2006)
- 2001 **Can we assess the efficacy of therapy in neurocardiogenic syncope?**
98 [11216979] J Am Coll Cardiol 37(2):560-1 (2001)
- 2000 **Tilt methodology in reflex syncope: emerging evidence.**
99 [10898431] J Am Coll Cardiol 36(1):179-80 (2000)
- 1999 **Cardiac pacing for prevention of vasovagal syncope.**
100 [9935003] J Am Coll Cardiol 33(1):21-3 (1999)
- 1996 **Tilt table testing for assessing syncope. American College of Cardiology.**
101 [8752825] J Am Coll Cardiol 28(1):263-75 (1996)
- 2009 **Syncope in children and adolescents: a two-year experience at the Department of Paediatrics in Parma.**
102 [19705618] Acta Biomed 80(1):36-41 (2009)
- 2010 **Accuracy and quality of clinical decision rules for syncope in the emergency department: a systematic review and meta-analysis.**
103 [20868906] Ann Emerg Med 56(4):362-373.e1 (2010)
- 2009 **Autonomic ganglia, acetylcholine receptor antibodies, and autoimmune ganglionopathy.**
104 [18951069] Auton Neurosci 146(1-2):3-7 (2009)
- 2009 **Heart rate variability with deep breathing as a clinical test of cardiovascular function.**
105 [19376980] Cleve Clin J Med 76 Suppl 2(-):S37-40 (2009)
- 2010 **Vasovagal syncope, sympathetic mechanisms and prognosis: the shape of things to come.**
106 [20436048] Eur Heart J 31(16):1951-3 (2010)
- 2007 **Exercise training and baroreflex sensitivity in patients with neurally mediated syncope.**
107 [17921530] Eur Heart J 28(22):2697-8 (2007)
- 2009 **Guidelines for the diagnosis and management of syncope (version 2009).**
108 [19713422] Eur Heart J 30(21):2631-71 (2009)
The European Society of Cardiology Guidelines for the diagnosis and management of syncope reviewed by Angel Moya, MD, FESC, Chair of the Guideline Taskforce with J. Taylor, MPhil.
109 [19880943] Eur Heart J 30(21):2539-40 (2009)
- 2009 **Tilt testing and neurally mediated syncope: too many protocols for one condition or specific protocols for different situations?**
110 [19622515] Eur Heart J 30(18):2174-6 (2009)
- 2006 **Recurrent syncope--a diagnostic challenge.**
111 [16869208] Rev Port Cardiol 25(4):431-41 (2006)
- 2004 **Unexplained syncope.**
112 [15376731] Rev Port Cardiol 23(6):845-8 (2004)
- 2004 **Carotid sinus syndrome. Management and approach.**
113 [15376736] Rev Port Cardiol 23(6):903-10 (2004)
- 2011 **Use of an implantable loop recorder to increase the diagnostic yield in unexplained syncope: results from the PICTURE registry.**
114 [21097478] Europace 13(2):262-9 (2011)
- 2010 **Therapy of vasovagal syncope: to prevent the vasovagal reflex or to treat the impending reflex?**
115 [20215368] Europace 12(6):776-8 (2010)
- 2010 **Prospective multicentre systematic guideline-based management of patients referred to the Syncope Units of general hospitals.**
116 [19948566] Europace 12(1):109-18 (2010)
- 2007 **Implications of mechanism of bradycardia on response to pacing in patients with unexplained syncope.**
117 [17376795] Europace 9(5):312-8 (2007)
- 2009 **Routine electrocardiogram and medical history in syncope: a simple approach can identify most high-risk patients.**
118 [19706633] Europace 11(11):1411-2 (2009)
- 2008 **Tilt-table testing: transient loss of consciousness discriminator or epiphenomenon?**
119 [18441348] Europace 10(6):747-50 (2008)
- 2008 **Management of syncope: clinical and economic impact of a Syncope Unit.**
120 [18364373] Europace 10(4):471-6 (2008)
- 2010 **Prospective evaluation of diagnostic work-up in syncope patients: results of the PL-US registry.**
121 [19919967] Europace 12(2):230-9 (2010)
- 2009 **Implantable loop recorders for assessment of syncope: is 'Saint Thomas approach' still the best diagnostic strategy?**
122 [19797144] Europace 11(10):1262-4 (2009)
- 2011 **Physiological phenomenology of neurally-mediated syncope with management implications.**
123 [22046292] PLoS One 6(10):e26489 (2011)
- 2011 **San Francisco Syncope Rule to predict short-term serious outcomes: a systematic review.**
124 [21948723] CMAJ 183(15):E1116-26 (2011)
- 2008 **Vasovagal syncope and vasovagal disease.**
125 [18459461] Hellenic J Cardiol 49(2):61-4 (2008)
- 2006 **Neurally mediated syndromes.**
126 [17057912] Arq Bras Cardiol 87(3):e34-44 (2006)

- 2011 Tilt test--from the necessary to the indispensable.**
127 [21271173] *Arq Bras Cardiol* 96(3):246-54 (2011)
- 2010 Syncope: diagnosis and management according to the 2009 guidelines of the European Society of Cardiology.**
128 [20150844] *Pol Arch Med Wewn* 120(1-2):42-7 (2010)
- 2011 Implications of tilt-table induced faint time in patients with reflex syncope.**
129 [22037101] *Anadolu Kardiyol Derg* 11(8):674-7 (2011)
- 2005 Anoxic-epileptic seizures: observational study of epileptic seizures induced by syncope.**
130 [16159903] *Arch Dis Child* 90(12):1283-7 (2005)
- 2009 Symptoms and signs of syncope: a review of the link between physiology and clinical clues.**
131 [19587129] *Brain* 132(Pt 10):2630-42 (2009)
- 2007 Role of brain natriuretic peptide (BNP) in risk stratification of adult syncope.**
132 [17954830] *Emerg Med J* 24(11):769-73 (2007)
- 2010 The EGSYS and OESIL risk scores for classification of cardiac etiology of syncope: comparison, revaluation, and clinical implications.**
133 [20668500] *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub* 154(2):169-73 (2010)
- 2011 The osmopressor response to water drinking.**
134 [21048076] *Am J Physiol Regul Integr Comp Physiol* 300(1):R40-6 (2011)
- 2010 Management and therapy of vasovagal syncope: A review.**
135 [21160608] *World J Cardiol* 2(10):308-15 (2010)
- 2011 Swallow syncope: a case report and review of the literature.**
136 [21263060] *Clin Med Res* 9(3-4):125-9 (2011)

Syncytin		12423	Syncytin
Syncytin	Trophoblast		

2004 Syncytin: the major regulator of trophoblast fusion? Recent developments and hypotheses on its action.

1 [15333590] Hum Reprod Update 10(6):487-96 (2004)

Cell fusion	Giant cell	Osteoclasts	
Cytokinesis	Granulomatous diseases	Syncytium	

2007 Molecular correlates of syncytialization in muscle and placenta.

1 [18476385] Indian J Physiol Pharmacol 51(4):311-25 (2007)

2009 Giant cell formation and function.

2 [19057205] Curr Opin Hematol 16(1):53-7 (2009)

2011 Structure and functions of stable intercellular bridges formed by incomplete cytokinesis during development.

3 [21509167] Commun Integr Biol 4(1):1-9 (2011)

Actin Biomembranes (Traffic)	Dynamin Syndapin PACSIN protein family	WASP	
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2004 The syndapin protein family: linking membrane trafficking with the cytoskeleton.

1 [\[15226389\] J Cell Sci 117\(Pt 15\):3077-86 \(2004\)](#)

Blood vessels (Permeability)	Glycocalyx	MALS Veli Cask Mint1 complex	Sepsis
Dallylike	Heparan sulfate	Neuron (BASKET)	Synapse
ERC2	LAR	Nidogen	Syndecan
Fibrosis	Liprin alpha	RIM	

2009 Syndecan signaling: when, where and why?

1 [20083849] J Physiol Pharmacol 60 Suppl 4(-):31-8 (2009)

1994 Function of the syndecans--a family of cell surface proteoglycans.

2 [7698997] J Cell Sci 107 (Pt 11)(-):2975-82 (1994)

2005 Syndecans: new kids on the signaling block.

3 [15774861] Circ Res 96(5):488-500 (2005)

2010 Syndecan-1: a critical mediator in cardiac fibrosis.

4 [20048190] Hypertension 55(2):233-5 (2010)

2007 LAR, liprin alpha and the regulation of active zone morphogenesis.

5 [17959628] J Cell Sci 120(Pt 21):3723-8 (2007)

2010 Sepsis-induced degradation of endothelial glycocalyx.

6 [20495770] ScientificWorldJournal 10(-):917-23 (2010)

2009 The signaling mechanisms of syndecan heparan sulfate proteoglycans.

7 [19535238] Curr Opin Cell Biol 21(5):662-9 (2009)

Syndrome of primary progressive
freezing gait

12427

Syndrome of primary progressive
freezing Gait

Syndrome of primary progressive freezing gait			
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2002 The natural history of the syndrome of primary progressive freezing gait.

1 [12433266] Arch Neurol 59(11):1778-83 (2002)

Synephrine

12428

Synephrin

beta Phenylethylamine Octopamine	Receptor (Biogenic Amines TA1 TAR1) Synephrine	Tryptamine Tyramine	
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2007 Trace amine-associated receptor 1-Family archetype or iconoclast?
1 [17888514] Pharmacol Ther 116(3):355-90 (2007)

Synesthesia	12429	Synaesthesie
Synesthesia		

2005 Neurocognitive mechanisms of synesthesia.
1 [16269367] Neuron 48(3):509-20 (2005)

Synovia (BASKET)	TRPV1		
Temporomandibular joint	TRPV4		

1995 Synovial irritants: crystals, microbes and others--their implications for diagnosis, pathogenesis and therapy.

1 [7632099] Ann Rheum Dis 54(6):516-8 (1995)

1995 Synovial membrane cellularity and vascularity.

2 [7632098] Ann Rheum Dis 54(6):511-5 (1995)

1995 Synovial perfusion and synovial fluid solutes.

3 [7794054] Ann Rheum Dis 54(5):424-8 (1995)

1995 Fluid movement across synovium in healthy joints: role of synovial fluid macromolecules.

4 [7794053] Ann Rheum Dis 54(5):417-23 (1995)

1995 Extracellular matrix of the synovial intimal cell layer.

5 [7794050] Ann Rheum Dis 54(5):404-7 (1995)

1995 Synovial intimal fibroblasts.

6 [7794049] Ann Rheum Dis 54(5):395-7 (1995)

1995 Synovial macrophages.

7 [7794048] Ann Rheum Dis 54(5):392-4 (1995)

1995 Innervation of the synovium.

8 [7540827] Ann Rheum Dis 54(5):398-403 (1995)

1991 A pathological role for damaged hyaluronan in synovitis.

9 [2015018] Ann Rheum Dis 50(3):196-200 (1991)

2000 Morphology and functional roles of synoviocytes in the joint.

10 [10770586] Arch Histol Cytol 63(1):17-31 (2000)

2000 Pathology of the synovium.

11 [11068553] Am J Clin Pathol 114(5):773-84 (2000)

2003 A question of transformation: the synovial fibroblast in rheumatoid arthritis.

12 [12707022] Am J Pathol 162(5):1399-402 (2003)

2009 Tumor necrosis factor-alpha (TNF-alpha) enhances functional thermal and chemical responses of TRP cation channels in human synoviocytes.

13 [19695100] Mol Pain 5():49 (2009)

2003 Synovial membrane in the temporomandibular joint--its morphology, function and development.

14 [14692685] Arch Histol Cytol 66(4):289-306 (2003)

Heart (Neoplasia)	Neoplasia (Fusion oncogenes)	Synovia (Neoplasia Synovial sarcoma)	
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The diagnostic value of SYT-SSX detected by reverse transcriptase-polymerase chain reaction (RT-PCR) and fluorescence in situ hybridization (FISH) for synovial sarcoma: a review and prospective study of 255 cases.
1 [18460022] *Cancer Sci* 99(7):1355-61 (2008)

From the archives of the AFIP: Imaging of synovial sarcoma with radiologic-pathologic correlation.
2 [16973781] *Radiographics* 26(5):1543-65 (2006)

2008 Radiological features of synovial cell sarcoma.
3 [18250123] *Br J Radiol* 81(964):346-56 (2008)

2002 Synovial sarcoma in pediatric patients.
4 [12185067] *AJR Am J Roentgenol* 179(3):797-801 (2002)

2009 Risk assessment based on FDG-PET imaging in patients with synovial sarcoma.
5 [19048352] *Clin Orthop Relat Res* 467(6):1605-11 (2009)

2008 A t(X; 18) SYT-SSX2 positive synovial sarcoma in the pelvis of a young adult male: a rare case report with review of literature.
6 [18626152] *Indian J Cancer* 45(2):67-71 (2008)

2007 Primary cardiac synovial sarcoma: a case report and brief review of the literature.
7 [17671632] *Sarcoma* 2007(-):94797 (2007)

Synovia (Neoplasia)			
---------------------	--	--	--

1999 MR imaging of synovial tumours and tumour-like lesions.

1 [10365078] Br J Radiol 72(854):212-8 (1999)

2007 Imaging of synovial chondromatosis with radiologic-pathologic correlation.

2 [17848703] Radiographics 27(5):1465-88 (2007)

2011 Of mice and men: opportunities to use genetically engineered mouse models of synovial sarcoma for preclinical cancer therapeutic evaluation.

3 [21666582] Cancer Control 18(3):196-203 (2011)

Synovia (Synovectomy)			
-----------------------	--	--	--

1974 Editorial: Medical synovectomy.
1 [4851529] Br Med J 2(5921):682 (1974)
2007 Arthroscopic synovectomy in rheumatoid arthritis of wrist.
2 [18086905] Clin Med Res 5(4):244-50 (2007)

Synovial chondromatosis			
-------------------------	--	--	--

2005 **Synovial chondromatosis of the temporomandibular joint with extension to the middle**
1 **cranial fossa.**
[16006705] J Postgrad Med 51(2):122-4 (2005)

Synovio enthesial complex			
---------------------------	--	--	--

2007 The concept of a "synovio-enthesial complex" and its implications for understanding joint inflammation and damage in psoriatic arthritis and beyond.
1 [17665450] Arthritis Rheum 56(8):2482-91 (2007)

Synoviolin	12436	Synoviolin
Endoplasmic reticulum (associated degradation) P53	Synoviolin Ubiquitin	

2007 The roles of synoviolin in crosstalk between endoplasmic reticulum stress-induced apoptosis and p53 pathway.
1 [17582219] Cell Cycle 6(11):1319-23 (2007)

Synphilin1

12437

Synphilin1

Lewy body	Synphilin1	Synuclein	
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2006 **Synphilin isoforms and the search for a cellular model of lewy body formation in Parkinson's disease.**
1 [16969096] Cell Cycle 5(18):2082-6 (2006)

Syntaxin	12438	Syntaxin	
beta cell (Pancreas) Cell secretion (Granule secretion) Munc18c	SNAP23 SNAP25 Synapse	Syntaxin Tomosyn VAMP	

2009 Friends and foes in synaptic transmission: the role of tomosyn in vesicle priming.

1 [19307030] Trends Neurosci 32(5):275-82 (2009)

2010 Exocytosis mechanisms underlying insulin release and glucose uptake: conserved roles for Munc18c and syntaxin 4.

2 [20053958] Am J Physiol Regul Integr Comp Physiol 298(3):R517-31 (2010)

ADTB3A	Developmental malformations deafness dystonia OMIM_607371	KIF5A	RAB7
Amyotrophic lateral sclerosis slow progressing ALS8	DTNBP1	Limb girdle muscular dystrophy type 2B	RABGDIA
Amyotrophic lateral sclerosis	Dysferlin	LMAN1 ERGIC53	REP1
ARC syndrome	Elajalde syndrome	Lowe s syndrome	SEC23A
ARL6	Griscelli syndrome II	LYST CHS1	SNAP29
Bardet Biedl syndrome	Factor V (Coagulation)	Martsolf syndrome	SPG20 Spartin
beta Actin	Factor VIII (Coagulation)	MCFD2	SPG4 Spastin
beta3 spectrin	Familial hemophagocytic lymphohistiocytosis	Miyoshi s myopathy	Spinal muscular atrophy late onset
CEDNIK syndrome	Griscelli s syndrome III	MLPH	Spinocerebellar ataxia5
Cell secretion (Intracellular transport)	Griscelli s syndrome2	Myosin Ia Myo1a	Syntaxin11
Charcot Marie Tooth disease type 2a	Hereditary spastic paraplegia SPG10	Myosin Va Myo5a	Troyer syndrome SPG20
Charcot Marie Tooth disease type 2b	Hereditary spastic paraplegia SPG4	Myosin VI	UNC13D Munc13 4 HPLH3
Chediak Higashi syndrome	Hermansky Pudlak syndrome	Myosin VIIa	Usher syndrome type Ib
Choroideremia	HPS1	Myosin XVa Myo15a	VAPB
COG7	HPS3	OCRL1	VPS33B
Congenital disorder of glycosylation type IIe	HPS4	OMIM_300104	Warburg Micro syndrome
Cranio lenticulo sutural dysplasia	HPS5	RAB27A	
Deafness (Inherited)	HPS6	RAB3GAP	
	KIF1B		

2007 Cargos and genes: insights into vesicular transport from inherited human disease.

1 [17526798] J Med Genet 44(9):545-55 (2007)

Syntaxin6	TRPV5	WNK4	
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2008 WNK4 regulates the secretory pathway via which TRPV5 is targeted to the plasma membrane.
1 [18703016] Biochem Biophys Res Commun 375(2):225-9 (2008)

Syntenin	12441	Syntenin
Neoplasia (Invasion and metastasis)	Syntenin	

2007 Syntenin: a novel PDZ domain-containing scaffolding protein associated with human melanoma metastasis.
1 [17478924] Zhong Nan Da Xue Xue Bao Yi Xue Ban 32(2):204-12 (2007)

Drug development	Protein (Designer)	Synthetic biology	Yeast (Laboratory applications)
Gene transfer	RNA (MicroRNA)	Systems biology	

2010 Synthetic biology: tools to design, build, and optimize cellular processes.

1 [20150964] J Biomed Biotechnol 2010(-):130781 (2010)

2010 Toward engineering synthetic microbial metabolism.

2 [20037734] J Biomed Biotechnol 2010(-):459760 (2010)

2010 Applications of synthetic biology in microbial biotechnology.

3 [21437213] J Biomed Biotechnol 2010(-):918391 (2010)

2010 Expressing and functional analysis of mammalian apoptotic regulators in yeast.

4 [19911009] Cell Death Differ 17(5):737-45 (2010)

2010 Specificity in computational protein design.

5 [20670934] J Biol Chem 285(41):31095-9 (2010)

2007 Toward reprogramming bacteria with small molecules and RNA.

6 [17967431] Curr Opin Chem Biol 11(6):612-9 (2007)

2009 Self-reporting cells.

7 [19480631] Biotechniques 46(5):356-7 (2009)

2010 The challenges of informatics in synthetic biology: from biomolecular networks to artificial organisms.

8 [19906839] Brief Bioinform 11(1):80-95 (2010)

2010 Strategies for protein synthetic biology.

9 [20385577] Nucleic Acids Res 38(8):2663-75 (2010)

2010 Designing customized cell signalling circuits.

10 [20485291] Nat Rev Mol Cell Biol 11(6):393-403 (2010)

2009 Artificial assembly of a minimal cell.

11 [19823743] Mol Biosyst 5(11):1292-7 (2009)

2007 Biology by design: reduction and synthesis of cellular components and behaviour.

12 [17251159] J R Soc Interface 4(15):607-23 (2007)

2009 Harnessing nature's toolbox: regulatory elements for synthetic biology.

13 [19324675] J R Soc Interface 6 Suppl 4(-):S535-46 (2009)

2009 Challenges in the computational design of proteins.

14 [19324680] J R Soc Interface 6 Suppl 4(-):S477-91 (2009)

2010 Synthetic biology: applications come of age.

15 [20395970] Nat Rev Genet 11(5):367-79 (2010)

2009 Reconstruction of biochemical networks in microorganisms.

16 [19116616] Nat Rev Microbiol 7(2):129-43 (2009)

2007 A synthetic biology challenge: making cells compute.

17 [17460793] Mol Biosyst 3(5):343-53 (2007)

2010 Safe and effective synthetic biology.

18 [20944581] Nat Biotechnol 28(10):1010-2 (2010)

2009 Synthetic viruses: a new opportunity to understand and prevent viral disease.

19 [20010599] Nat Biotechnol 27(12):1163-72 (2009)

2010 Synthetic biology approaches in drug discovery and pharmaceutical biotechnology.

20 [20396881] Appl Microbiol Biotechnol 87(1):75-86 (2010)

2010 Update on designing and building minimal cells.

21 [20638265] Curr Opin Biotechnol 21(5):697-703 (2010)

alpha Dystrobrevin	Dystrophin	Syntrophin	
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2011 **The role of alpha-dystrobrevin in striated muscle.**
1 [\[21673914\] Int J Mol Sci 12\(3\):1660-71 \(2011\)](#)

Alzheimer s disease	DJ1	Nervous system (Neurodegeneration)	Synuclein
Amyloid precursor protein	Lewy body	Parkinson s disease	
Autophagy	LRRK2	PINK1	
Biomembranes (BASKET)	Mitochondria (BASKET)	Synphilin1	

2006 Mechanisms of Parkinson's disease linked to pathological alpha-synuclein: new targets for drug discovery.

1 [17015225] *Neuron* 52(1):33-8 (2006)

2007 Neuropathology, biochemistry, and biophysics of alpha-synuclein aggregation.

2 [17623039] *J Neurochem* 103(1):17-37 (2007)

2002 Structure/function of alpha-synuclein in health and disease: rational development of animal models for Parkinson's and related diseases.

3 [12153470] *J Neurochem* 82(3):449-57 (2002)

1998 The synuclein family.

4 [9750188] *Genome Res* 8(9):871-80 (1998)

2001 From genetics to pathology: tau and alpha-synuclein assemblies in neurodegenerative diseases.

5 [11260802] *Philos Trans R Soc Lond B Biol Sci* 356(1406):213-27 (2001)

1999 Filamentous nerve cell inclusions in neurodegenerative diseases: tauopathies and alpha-synucleinopathies.

6 [10434313] *Philos Trans R Soc Lond B Biol Sci* 354(1386):1101-18 (1999)

2001 Synucleinopathies: clinical and pathological implications.

7 [11176955] *Arch Neurol* 58(2):186-90 (2001)

2010 The synaptic pathology of alpha-synuclein aggregation in dementia with Lewy bodies, Parkinson's disease and Parkinson's disease dementia.

8 [20563819] *Acta Neuropathol* 120(2):131-43 (2010)

2010 Ticked PINK1: mitochondrial homeostasis and autophagy in recessive Parkinsonism.

9 [19595762] *Biochim Biophys Acta* 1802(1):20-8 (2010)

2010 Mitochondrial trafficking of APP and alpha synuclein: Relevance to mitochondrial dysfunction in Alzheimer's and Parkinson's diseases.

10 [19619643] *Biochim Biophys Acta* 1802(1):11-9 (2010)

2009 Molecular mechanisms of alpha-synuclein neurodegeneration.

11 [18955133] *Biochim Biophys Acta* 1792(7):616-24 (2009)

2006 Synphilin isoforms and the search for a cellular model of lewy body formation in Parkinson's disease.

12 [16969096] *Cell Cycle* 5(18):2082-6 (2006)

2010 Yeast unfolds the road map toward alpha-synuclein-induced cell death.

13 [20019751] *Cell Death Differ* 17(5):746-53 (2010)

2002 The synucleins.

14 [11806835] *Genome Biol* 3(1):REVIEWS3002 (2002)

2009 Structural insights on physiological functions and pathological effects of alpha-synuclein.

15 [18948383] *FASEB J* 23(2):329-40 (2009)

2011 The Parkinson disease protein α -synuclein inhibits autophagy.

16 [21157184] *Autophagy* 7(4):429-31 (2011)

2010 Parkinson's disease: insights from pathways.

17 [20421364] *Hum Mol Genet* 19(R1):R21-7 (2010)

Eye and Orbita (Uveitis)	Gonorrhea	Syphilis	
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2007 Treatment of psychiatric symptoms associated with neurosyphilis.

1 [17878505] *Psychosomatics* 48(5):440-5 (2007)

2001 Syphilis in clinical psychiatry: a review.

2 [11815679] *Psychosomatics* 42(6):453-60 (2001)

2007 Syphilis.

3 [17235095] *BMJ* 334(7585):143-7 (2007)

1989 Delirium tremens.

4 [2492848] *BMJ* 298(6665):3-4 (1989)

1998 Delirium tremens.

5 [9598848] *South Med J* 91(5):425-32 (1998)

1973 Ben H. Nicholson Memorial Lecture. Congenital syphilis: a review of its present status and significance in pediatrics.

6 [4687600] *South Med J* 66(2):257-63 (1973)

1972 The natural history of syphilis: a review.

7 [5060542] *South Med J* 65(2):241-5 (1972)

1981 In vitro cultivation of *Treponema pallidum*: a review.

8 [6172213] *Bull World Health Organ* 59(5):787-101 (1981)

1972 Penicillin in the treatment of syphilis. The experience of three decades.

9 [4575351] *Bull World Health Organ* 47 Suppl(-):1-68 (1972)

1966 *Treponema pallidum*. A bibliographical review of the morphology, culture and survival of *T. pallidum* and associated organisms.

10 [5335242] *Bull World Health Organ* 35(-):1-169 (1966)

2000 Congenital syphilis: A guide to diagnosis and management.

11 [20177559] *Paediatr Child Health* 5(8):463-9 (2000)

1985 New developments in the immunological understanding and of serodiagnosis in syphilis.

12 [3907160] *Yonsei Med J* 26(1):18-23 (1985)

1950 The morphology and staining characteristics of the *Treponema pallidum*. Review of the literature and description of a new technique for staining the organism in tissues.

13 [15431682] *Yale J Biol Med* 22(6):527-43 (1950)

1993 Polypeptides of *Treponema pallidum*: progress toward understanding their structural, functional, and immunologic roles. *Treponema Pallidum* Polypeptide Research Group.

14 [8246847] *Microbiol Rev* 57(3):750-79 (1993)

2006 Biological basis for syphilis.

15 [16418521] *Clin Microbiol Rev* 19(1):29-49 (2006)

2005 Secondary syphilitic lesions.

16 [15653827] *Clin Microbiol Rev* 18(1):205-16 (2005)

1999 Syphilis: review with emphasis on clinical, epidemiologic, and some biologic features.

17 [10194456] *Clin Microbiol Rev* 12(2):187-209 (1999)

1995 Laboratory diagnosis and interpretation of tests for syphilis.

18 [7704889] *Clin Microbiol Rev* 8(1):1-21 (1995)

2003 From tooth to hoof: treponemes in tissue-destructive diseases.

19 [12694441] *J Appl Microbiol* 94(5):767-80 (2003)

2004 Dark ground microscopy and treponemal serological tests in the diagnosis of early syphilis.

20 [15459413] *Sex Transm Infect* 80(5):411-4 (2004)

2003 Congenital syphilis in the Russian Federation: magnitude, determinants, and consequences.

21 [12690129] *Sex Transm Infect* 79(2):106-10 (2003)

1987 The eighth C. L. Oakley lecture. Pathogenicity and immunobiology of *Treponema pallidum*.

22 [3302263] *J Med Microbiol* 24(1):1-9 (1987)

1989 The skeletal manifestations of congenital syphilis. A review of 197 cases.

23 [2584243] *J Bone Joint Surg Br* 71(5):752-5 (1989)

1993 STD in children: syphilis and gonorrhoea.

24 [8444486] *Genitourin Med* 69(1):66-75 (1993)

1992 Laboratory techniques in the diagnosis of syphilis: a review.

25 [1487267] *Genitourin Med* 68(6):413-9 (1992)

2004 Neurosyphilis in the modern era.

26 [15548491] *J Neurol Neurosurg Psychiatry* 75(12):1727-30 (2004)

1948 Neurosyphilis; a review of recent literature.

27 [18901656] *Postgrad Med J* 24(267):25-30 (1948)

1988 Neurosyphilis.

28 [3407164] *West J Med* 149(1):80-1 (1988)

1988 Modern neurosyphilis--a critical analysis.

29 [3043897] *West J Med* 149(1):47-57 (1988)

1976 Radiographic findings in early acquired syphilis: case report and critical review.

30 [973665] *AJR Am J Roentgenol* 127(5):789-92 (1976)

2009 Neurosyphilis.

31 [19587460] *Neurol India* 57(3):233-4 (2009)

2007 Syphilis in the United States: an update for clinicians with an emphasis on HIV coinfection.

32 [17803877] *Mayo Clin Proc* 82(9):1091-102 (2007)

2007 Current controversies in the management of adult syphilis.

33 [17342666] *Clin Infect Dis* 44 Suppl 3(-):S130-46 (2007)

- 2005 Azithromycin versus penicillin G benzathine for early syphilis.**
34 [16177256] *N Engl J Med* 353(12):1291-3 (2005)
- 2009 Syphilis, the great mimicker, is back.**
35 [19521579] *Aust Fam Physician* 38(6):384-7 (2009)
- 2006 Oral manifestations of syphilis.**
36 [16680334] *Clinics (Sao Paulo)* 61(2):161-6 (2006)
- 2007 Inflammatory ocular hypertension syndrome (IOHS) in patients with syphilitic uveitis.**
37 [17522148] *Br J Ophthalmol* 91(12):1610-2 (2007)
- 2004 The prevention and management of congenital syphilis: an overview and recommendations.**
38 [15356934] *Bull World Health Organ* 82(6):424-30 (2004)
- 2004 Maternal syphilis: pathophysiology and treatment.**
39 [15356936] *Bull World Health Organ* 82(6):433-8 (2004)
- 2004 Diagnostic tools for preventing and managing maternal and congenital syphilis: an overview.**
40 [15356937] *Bull World Health Organ* 82(6):439-46 (2004)
- 2009 Syphilis: the renaissance of an old disease with oral implications.**
41 [20596972] *Head Neck Pathol* 3(3):195-206 (2009)
- 2011 Molecular Typing of *Treponema pallidum*: A Systematic Review and Meta-Analysis.**
42 [22087340] *PLoS Negl Trop Dis* 5(11):e1273 (2011)
- 2006 Syphilis.**
43 [17151044] *Sex Transm Infect* 82 Suppl 4(-):iv13-5 (2006)
- 2010 Global challenge of antibiotic-resistant *Treponema pallidum*.**
44 [19805553] *Antimicrob Agents Chemother* 54(2):583-9 (2010)

Skin (Neoplasia)	Syringocystadenoma papilliferum		
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2009 Syringocystadenoma papilliferum on the thigh: an unusual location.
1 [19293506] Indian J Dermatol Venereol Leprol 75(2):170-2 (2009)

Basilar invagination	Chiari malformation	Syringomyelia	
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1980 On the pathogenesis of syringomyelia: a review.

1 [7017117] J R Soc Med 73(11):798-806 (1980)

2009 Malformations of the craniocervical junction (Chiari type I and syringomyelia: classification, diagnosis and treatment).

2 [20018097] BMC Musculoskelet Disord 10 Suppl 1(-):S1 (2009)

1965 Syringomyelia: a clinical review of 75 cases.

3 [5829396] Can Med Assoc J 93(14):731-4 (1965)

1987 The MR appearance of syringomyelia: new observations.

4 [3492118] AJR Am J Roentgenol 148(2):381-91 (1987)

2006 A case of syringomyelia associated with cervical spondylosis.

5 [16980666] Br J Radiol 79(946):e123-5 (2006)

2003 MR identification of Chiari pathophysiology by using spatial and temporal CSF flow indices and implications for syringomyelia.

6 [12591627] AJNR Am J Neuroradiol 24(2):165-6 (2003)

2000 Further explanations for the formation of syringomyelia: back to the drawing table.

7 [11110524] AJNR Am J Neuroradiol 21(10):1778-9 (2000)

2000 Toward an understanding of syringomyelia: MR imaging of CSF flow and neuraxis motion.

8 [10669223] AJNR Am J Neuroradiol 21(1):45-6 (2000)

1999 The presyringomyelic myelopathic state: a plausible hypothesis.

9 [9974047] AJNR Am J Neuroradiol 20(1):1-2 (1999)

2009 Basilar invagination, Chiari malformation, syringomyelia: a review.

10 [19587461] Neurol India 57(3):235-46 (2009)

2009 Idiopathic syringomyelia: phase-contrast MR of cerebrospinal fluid flow dynamics at level of foramen magnum.

11 [19567652] Radiology 253(1):184-90 (2009)

2007 Nontraumatic cervicothoracic syrinx as a cause of progressive neurologic dysfunction.

12 [17684895] J Spinal Cord Med 30(3):276-81 (2007)

Bayesian statistics	Evidence based medicine	Ontology	Systematic review
Cochrane foundation	Guideline	Publication issues	Text mining
Data base (Medicine Biology Pharmacology)	Literature searching	Research ethics	
Delphi technique	Meta analysis	Statistics and trial design	

2010 Expediting systematic reviews: methods and implications of rapid reviews.

1 [20642853] Implement Sci 5(-):56 (2010)

2006 Types of clinical studies. Systematic reviews.

2 [16673653] Rev Port Cardiol 25(2):233-46 (2006)

Evidence-based medicine, systematic reviews, and guidelines in interventional pain management: Part 7: systematic reviews and meta-analyses of diagnostic accuracy studies.

3 [19935980] Pain Physician 12(6):929-63 (2009)

2010 Systematic review and meta-analysis methodology.

4 [20656933] Blood 116(17):3140-6 (2010)

2011 Establishing a minimum dataset for prospective registration of systematic reviews: an international consultation.

5 [22110625] PLoS One 6(11):e27319 (2011)

2011 From QUOROM to PRISMA: A Survey of High-Impact Medical Journals' Instructions to Authors and a Review of Systematic Reviews in Anesthesia Literature.

6 [22110690] PLoS One 6(11):e27611 (2011)

2010 Bias due to changes in specified outcomes during the systematic review process.

7 [20339557] PLoS One 5(3):e9810 (2010)

2010 Updating systematic reviews: an international survey.

8 [20376338] PLoS One 5(4):e9914 (2010)

2007 External validation of a measurement tool to assess systematic reviews (AMSTAR).

9 [18159233] PLoS One 2(12):e1350 (2007)

2010 Register systematic reviews.

10 [20479061] CMAJ 182(8):805 (2010)

2010 Registering systematic reviews.

11 [19620270] CMAJ 182(1):13-4 (2010)

2003 The inclusion of reports of randomised trials published in languages other than English in systematic reviews.

12 [14670218] Health Technol Assess 7(41):1-90 (2003)

2010 Writing a systematic review.

13 [20593139] Singapore Med J 51(5):362-6 (2010)

2002 Quality of systematic reviews of economic evaluations in health care.

14 [12038919] JAMA 287(21):2809-12 (2002)

2002 Publishing protocols of systematic reviews: comparing what was done to what was planned.

15 [12038926] JAMA 287(21):2831-4 (2002)

2011 Systematic reviews and meta-analysis: scientific rationale and interpretation.

16 [21719182] Rev Esp Cardiol 64(8):688-96 (2011)

2002 Applying the results of quantitative systematic reviews to clinical practice.

17 [11812702] Anesth Analg 94(2):372-7 (2002)

2009 Susceptibility to fraud in systematic reviews: lessons from the Reuben case.

18 [19934873] Anesthesiology 111(6):1279-89 (2009)

2010 Semi-automated screening of biomedical citations for systematic reviews.

19 [20102628] BMC Bioinformatics 11(-):55 (2010)

2010 Systematic reviews, systematic error and the acquisition of clinical knowledge.

20 [20537172] BMC Med Res Methodol 10(-):53 (2010)

2006 Can electronic search engines optimize screening of search results in systematic reviews: an empirical study.

21 [16504110] BMC Med Res Methodol 6(-):7 (2006)

2011 Protocol--realist and meta-narrative evidence synthesis: evolving standards (RAMESES).

22 [21843376] BMC Med Res Methodol 11(-):115 (2011)

2011 Using qualitative synthesis to explore heterogeneity of complex interventions.

23 [21871083] BMC Med Res Methodol 11(-):124 (2011)

2002 Conducting systematic reviews of diagnostic studies: didactic guidelines.

24 [12097142] BMC Med Res Methodol 2(-):9 (2002)

The importance of adjusting for potential confounders in Bayesian hierarchical models synthesising evidence from randomised and non-randomised studies: an application comparing treatments for abdominal aortic aneurysms.

25 [20618973] BMC Med Res Methodol 10(-):64 (2010)

2011 Methodology in conducting a systematic review of systematic reviews of healthcare interventions.

26 [21291558] BMC Med Res Methodol 11(1):15 (2011)

2011 Methodological criteria for the assessment of moderators in systematic reviews of randomised controlled trials: a consensus study.

27 [21281501] BMC Med Res Methodol 11(-):14 (2011)

2008 Methods for the thematic synthesis of qualitative research in systematic reviews.

28 [18616818] BMC Med Res Methodol 8(-):45 (2008)

- 2004 **Assessing harmful effects in systematic reviews.**
29 [15260887] *BMC Med Res Methodol* 4(-):19 (2004)
- 2005 **Evaluating the role of quality assessment of primary studies in systematic reviews of cancer practice guidelines.**
30 [15715916] *BMC Med Res Methodol* 5(1):8 (2005)
- 2005 **Effectiveness of different databases in identifying studies for systematic reviews: experience from the WHO systematic review of maternal morbidity and mortality.**
31 [15679886] *BMC Med Res Methodol* 5(1):6 (2005)
- 2009 **Building blocks for meta-synthesis: data integration tables for summarising, mapping, and synthesising evidence on interventions for communicating with health consumers.**
32 [19261177] *BMC Med Res Methodol* 9(-):16 (2009)
- 2008 **Recommendations by Cochrane Review Groups for assessment of the risk of bias in studies.**
33 [18426565] *BMC Med Res Methodol* 8(-):22 (2008)
- 2008 **Negative pressure wound therapy: potential publication bias caused by lack of access to unpublished study results data.**
34 [18267008] *BMC Med Res Methodol* 8(-):4 (2008)
- 2008 **Application of systematic review methodology to the field of nutrition.**
35 [19022948] *J Nutr* 138(12):2297-306 (2008)
- 2009 **Review articles, systematic reviews and meta-analyses: which can be trusted?**
36 [19514644] *Pol Arch Med Wewn* 119(3):148-56 (2009)
- 2011 **Best practice in systematic reviews: the importance of protocols and registration.**
37 [21364968] *PLoS Med* 8(2):e1001009 (2011)
- 2011 **Using the Delphi technique to determine which outcomes to measure in clinical trials: recommendations for the future based on a systematic review of existing studies.**
38 [21283604] *PLoS Med* 8(1):e1000393 (2011)
- 2007 **Epidemiology and reporting characteristics of systematic reviews.**
39 [17388659] *PLoS Med* 4(3):e78 (2007)
- 2009 **How can we support the use of systematic reviews in policymaking?**
40 [19936223] *PLoS Med* 6(11):e1000141 (2009)
- 2011 **Interpreting systematic reviews: are we ready to make our own conclusions? A cross-sectional study.**
41 [21450083] *BMC Med* 9(-):30 (2011)
- 2011 **How can we improve the interpretation of systematic reviews?**
42 [21450084] *BMC Med* 9(-):31 (2011)
- 2003 **Systematic reviews: a cross-sectional study of location and citation counts.**
43 [14633274] *BMC Med* 1(-):2 (2003)
- 2006 **Systematic reviews and knowledge translation.**
44 [16917652] *Bull World Health Organ* 84(8):643-51 (2006)
- 2007 **Reviews should be comprehensive and non-biased.**
45 [17479818] *WMJ* 106(2):53 (2007)
- 2005 **Clinician's guide to systematic reviews and meta-analyses.**
46 [15966628] *WMJ* 104(3):25-9 (2005)
- 2011 **Methodology of systematic reviews and recommendations.**
47 [20146555] *J Neurotrauma* 28(8):1335-9 (2011)
- 2010 **Applicability and generalisability of the results of systematic reviews to public health practice and policy: a systematic review.**
48 [20187938] *Trials* 11(-):20 (2010)
- 2011 **Basics of systematic reviews and meta-analyses for the nephrologist.**
49 [21677439] *Nephron Clin Pract* 119(1):c50-60; discussion c61 (2011)
- 2008 **Systematic reviews of diagnostic test accuracy.**
50 [19075208] *Ann Intern Med* 149(12):889-97 (2008)
- 2002 **Commentary: searching for trials for systematic reviews: what difference does it make?**
51 [11914307] *Int J Epidemiol* 31(1):123-4 (2002)
- 2002 **Systems to rate the strength of scientific evidence.**
52 [11979732] *Evid Rep Technol Assess (Summ)* -(47):1-11 (2002)
- 2009 **Reprint--preferred reporting items for systematic reviews and meta-analyses: the PRISMA statement.**
53 [19723669] *Phys Ther* 89(9):873-80 (2009)
- 2010 **Boolean versus ranked querying for biomedical systematic reviews.**
54 [20937152] *BMC Med Inform Decis Mak* 10(-):58 (2010)
- 2008 **The interpretation of systematic reviews with meta-analyses: an objective or subjective process?**
55 [18495019] *BMC Med Inform Decis Mak* 8(-):19 (2008)
- 2010 **Managing the production of a Cochrane systematic review.**
56 [20679286] *J Public Health (Oxf)* 32(3):448-50 (2010)
- 2009 **A unification of models for meta-analysis of diagnostic accuracy studies.**
57 [19039031] *Biostatistics* 10(1):201-3 (2009)
- 2008 **An alternative model for bivariate random-effects meta-analysis when the within-study correlations are unknown.**
58 [17626226] *Biostatistics* 9(1):172-86 (2008)
- 2009 **A Bayesian method for the synthesis of evidence from qualitative and quantitative reports: the example of antiretroviral medication adherence.**
59 [19770121] *J Health Serv Res Policy* 14(4):226-33 (2009)
- 2002 **A user's guide to the chiropractic and osteopathic literature. How to read a systematic review.**
60 [17987180] *Australas Chiropr Osteopathy* 10(2):87-90 (2002)
- 2005 **Systematic evaluation and comparison of statistical tests for publication bias.**
61 [16276033] *J Epidemiol* 15(6):235-43 (2005)
- 2010 **Systematic review of observational studies.**

- 62 [20299808] *Neuroepidemiology* 34(4):262-3 (2010)
An introduction to systematic reviews and meta-analysis: A workshop report on
2011 promoting evidence based medical practice through capacity building in research
63 synthesis.
[22121424] *Pan Afr Med J* 8(-):15 (2011)
2009 Critical appraisal of meta-analyses: an introductory guide for the practicing surgeon.
64 [19624816] *Patient Saf Surg* 3(1):16 (2009)
2010 MADAM - An open source meta-analysis toolbox for R and Bioconductor.
65 [20193058] *Source Code Biol Med* 5(-):3 (2010)
2007 The impact of review articles.
66 [17952095] *Lab Invest* 87(12):1174-85 (2007)
2010 A Prospective Evaluation of an Automated Classification System to Support Evidence-
67 based Medicine and Systematic Review.
[21346953] *AMIA Annu Symp Proc* 2010(-):121-5 (2010)
2003 SysBank: a knowledge base for systematic reviews of randomized clinical trials.
68 [14728309] *AMIA Annu Symp Proc* -(-):804 (2003)

Aicardi Goutieres syndrome	Estrogen	Kidney (C1q nephropathy)	RNA (MicroRNA)
AIM2	Fatty acids (Omega3)	Leukocyte (Extravasation and Trafficking)	Rowell s syndrome
Antiinflammatory compounds	Genetics (GWAS Genome wide association study)	Libman Sacks endocarditis	RP105
Antiphospholipid syndrome	Heart (Arrhythmia)	Macrophage activation syndrome	Statistics and trial design
APRIL	Histone deacetylase	Mitochondria (Hyperpolarization)	Systemic lupus erythematosus
Arterial hypertension (BASKET)	IFI16	Mitral valve (Regurgitation)	T cell (CD8pos)
Arthritis (rheumatoid)	Ifi200 protein family	MNDA	T cell (double negative)
Autoantibodies Anti alpha actinin	Ifi202a	MRL LPR mouse	T Cell (Signal transduction)
Autoantibodies Anti beta 2 glycoprotein I	Ifi202b	MTOR	Tacrolimus FK506
Autoantibodies Anti dsDNA Anti ssDNA	Ifi203	Neutropenia (autoimmune)	TLR7
Autoimmunity	Ifi204	Osteoporosis	TLR9
BAFF	IFIX	Pancreatitis (BASKET)	TNFAIP3 A20
Belimumab ttBLYS	IgA nephropathy	Pregnancy (Diseases)	Tolerance (Immunology)
BLYS	Immunopsychiatry	Prgnancy (High risk pregnancy)	Toll like receptor
CD180 RP105	Interferon alpha and preliminary (BASKET)	Receptor (Antibody Fc)	TREX1
Cyclophosphamide	Interleukin17	Regulatory T cell	TWEAK Fn14
Dendritic cell (Immunology)	Interleukin21	Reversible posterior cerebral edema	
Dendritic cell (Plasmacytoid)	Interleukin6	Reversible posterior leukoencephalopathy syndrome	
DNA (Methylation)	Jaccoud s arthropathy	Rituximab ttCD20	
Efferocytosis			

1993 Psychiatric symptoms in systemic lupus erythematosus: an update.

1 [8475237] Psychosom Med 55(2):219-28 (1993)

1972 The study of the psychiatric symptoms of systemic lupus erythematosus.. A critical review.

2 [4556060] Psychosom Med 34(3):199-206 (1972)

2006 Systemic lupus erythematosus.

3 [16613963] BMJ 332(7546):890-4 (2006)

1995 ABC of rheumatology. Systemic lupus erythematosus and lupus-like syndromes.

4 [7767201] BMJ 310(6989):1257-61 (1995)

1993 Diagnosis and treatment of systemic lupus erythematosus.

5 [8401055] BMJ 307(6905):663-6 (1993)

1979 Systemic lupus erythematosus: treatment and prognosis.

6 [391327] Br Med J 2(6197):1019-22 (1979)

1975 Editorial: Cerebral lupus.

7 [124612] Br Med J 1(5957):537-8 (1975)

1973 Mortality in systemic lupus erythematosus: a 10-year review.

8 [4758576] Br Med J 4(5895):772-4 (1973)

2009 Usefulness of ISN/RPS classification of lupus nephritis.

9 [19194566] J Korean Med Sci 24 Suppl(-):S7-10 (2009)

2003 The pathogenesis of systemic lupus erythematosus.

10 [14768716] Neth J Med 61(11):343-6 (2003)

2003 Lupus nephritis: consequence of disturbed removal of apoptotic cells?

11 [14628957] Neth J Med 61(8):233-8 (2003)

2009 Lupus update: perspective and clinical pearls.

12 [19188480] Cleve Clin J Med 76(2):137-42 (2009)

- 2008 Cardiovascular disease in systemic lupus erythematosus: the role of traditional and lupus related risk factors.
13 [19936286] Curr Cardiol Rev 4(2):116-22 (2008)
- 2006 Mechanisms of dyslipoproteinemias in systemic lupus erythematosus.
14 [17162363] Clin Dev Immunol 13(2-4):203-8 (2006)
- 2006 The epigenetic face of systemic lupus erythematosus.
15 [16751355] J Immunol 176(12):7143-7 (2006)
- 2009 The role of extracellular DNA in autoimmunity in SLE.
16 [19703007] Scand J Immunol 70(3):175-83 (2009)
- 2006 Autoantibody determination in the diagnosis of systemic lupus erythematosus.
17 [16918691] Scand J Immunol 64(3):227-35 (2006)
- 2006 Regulatory T cells and systemic lupus erythematosus.
18 [16918689] Scand J Immunol 64(3):211-8 (2006)
- 2004 Lupus glomerulonephritis revisited 2004: autoimmunity and end-organ damage.
19 [15238073] Scand J Immunol 60(1-2):52-63 (2004)
- 2005 New therapies for systemic lupus erythematosus.
20 [15807843] Clin Exp Immunol 140(2):205-12 (2005)
- 1981 Current perspectives on serological reactions in SLE patients.
21 [7021022] Clin Exp Immunol 44(1):1-10 (1981)
- 2004 Role of epigenetic DNA alterations in the pathogenesis of systemic lupus erythematosus.
22 [15131354] J Appl Genet 45(2):237-48 (2004)
- 1994 Nephritogenic antibodies in MRL/lpr lupus mice: molecular characteristics in pathological and genetic aspects.
23 [7809912] Tohoku J Exp Med 173(1):65-74 (1994)
- 1994 Nephritogenic antibodies in lupus nephritis.
24 [7809910] Tohoku J Exp Med 173(1):31-41 (1994)
- 2008 EULAR recommendations for the management of systemic lupus erythematosus. Report of a Task Force of the EULAR Standing Committee for International Clinical Studies Including Therapeutics.
25 [17504841] Ann Rheum Dis 67(2):195-205 (2008)
- 2006 Anaemia in systemic lupus erythematosus: from pathophysiology to clinical assessment.
26 [16079164] Ann Rheum Dis 65(2):144-8 (2006)
- 2005 Autoantibodies to opsonins of apoptotic cells in systemic lupus erythematosus.
27 [16284341] Ann Rheum Dis 64(12):1669-70 (2005)
- 2005 How to monitor SLE in routine clinical practice.
28 [15769911] Ann Rheum Dis 64(4):524-7 (2005)
- 2003 Treatment of severe proliferative lupus nephritis: the current state.
29 [12922948] Ann Rheum Dis 62(9):799-804 (2003)
- 2002 Acute abdominal pain in systemic lupus erythematosus: focus on lupus enteritis (gastrointestinal vasculitis).
30 [12006332] Ann Rheum Dis 61(6):547-50 (2002)
- 1995 Controversies in lupus: nervous system involvement.
31 [7748011] Ann Rheum Dis 54(3):159-67 (1995)
- 1992 Patients with systemic lupus erythematosus and Jaccoud's arthropathy: a clinical subset with an increased C reactive protein response?
32 [1575582] Ann Rheum Dis 51(3):358-61 (1992)
- 2009 How can we reduce the risk of serious infection for patients with systemic lupus erythematosus?
33 [19960581] Arthritis Res Ther 11(5):129 (2009)
- 2009 Developments in the clinical understanding of lupus.
34 [19849817] Arthritis Res Ther 11(5):245 (2009)
- 2009 Molecular therapies for systemic lupus erythematosus: clinical trials and future prospects.
35 [19591653] Arthritis Res Ther 11(3):234 (2009)
- 2008 Glomerular matrix metalloproteinases and their regulators in the pathogenesis of lupus nephritis.
36 [19090960] Arthritis Res Ther 10(6):229 (2008)
- 2008 Regulatory T cells in systemic lupus erythematosus: past, present and future.
37 [19040771] Arthritis Res Ther 10(6):227 (2008)
- 2008 Developments in the scientific understanding of lupus.
38 [18947369] Arthritis Res Ther 10(5):218 (2008)
- 2003 Microarray analysis of gene expression in lupus.
39 [14680503] Arthritis Res Ther 5(6):279-87 (2003)
- 2003 Systemic lupus erythematosus and the type I interferon system.
40 [12718746] Arthritis Res Ther 5(2):68-75 (2003)
- 1996 Cellular interactions in the lpr and gld models of systemic autoimmunity.
41 [8934931] Adv Dent Res 10(1):76-80 (1996)
- 2008 Lupus nephritis: the central role of nucleosomes revealed.
42 [18187568] Am J Pathol 172(2):275-83 (2008)
- Systemic lupus erythematosus: emerging concepts. Part 2: Dermatologic and joint
- 1995 disease, the antiphospholipid antibody syndrome, pregnancy and hormonal therapy, morbidity and mortality, and pathogenesis.
43 [7762914] Ann Intern Med 123(1):42-53 (1995)
- 1995 Systemic lupus erythematosus: emerging concepts. Part 1: Renal, neuropsychiatric, cardiovascular, pulmonary, and hematologic disease.
44 [7755231] Ann Intern Med 122(12):940-50 (1995)
- 2006 Systematic review and meta-analysis of randomised trials and cohort studies of mycophenolate mofetil in lupus nephritis.
45 [17163990] Arthritis Res Ther 8(6):R182 (2006)

2008 Cognitive dysfunction in systemic lupus erythematosus: past, present, and future.
46 [18975345] Arthritis Rheum 58(11):3286-98 (2008)

2008 Glomerular targets of nephritogenic autoantibodies in systemic lupus erythematosus.
47 [18576314] Arthritis Rheum 58(7):1892-9 (2008)

2008 Clinical validation of the watershed sign as a marker for neuropsychiatric systemic
lupus erythematosus.
48 [18311758] Arthritis Rheum 59(3):332-7 (2008)

2007 Measurement of fatigue in systemic lupus erythematosus: a systematic review.
49 [18050225] Arthritis Rheum 57(8):1348-57 (2007)

2007 Clinical criteria for systemic lupus erythematosus precede diagnosis, and associated
autoantibodies are present before clinical symptoms.
50 [17599763] Arthritis Rheum 56(7):2344-51 (2007)

2005 Pituitary hormones and systemic lupus erythematosus.
51 [16320320] Arthritis Rheum 52(12):3701-12 (2005)

2004 Biomarkers in systemic lupus erythematosus: II. Markers of disease activity.
52 [15248202] Arthritis Rheum 50(7):2048-65 (2004)

2004 Biomarkers in systemic lupus erythematosus. I. General overview of biomarkers and
their applicability.
53 [15188346] Arthritis Rheum 50(6):1709-20 (2004)

2002 Choosing treatment for proliferative lupus nephritis.
54 [12209498] Arthritis Rheum 46(8):1981-3 (2002)

2002 What do we know about lupus membranous nephropathy? An analytic review.
55 [12209494] Arthritis Rheum 47(4):450-5 (2002)

2002 Abnormal T cell signal transduction in systemic lupus erythematosus.
56 [12115215] Arthritis Rheum 46(5):1139-54 (2002)

1999 The key role of nucleosomes in lupus.
57 [10323438] Arthritis Rheum 42(5):833-43 (1999)

1999 The American College of Rheumatology nomenclature and case definitions for
neuropsychiatric lupus syndromes.
58 [10211873] Arthritis Rheum 42(4):599-608 (1999)

Michael Mason Prize Essay 1995. Complement, immune complexes and systemic lupus
erythematosus.
59 [8624623] Br J Rheumatol 35(1):5-23 (1996)

2008 Pulmonary and thrombotic manifestations of systemic lupus erythematosus.
60 [18187752] Chest 133(1):271-80 (2008)

2000 Alveolar hemorrhage in systemic lupus erythematosus: presentation and management.
61 [11035681] Chest 118(4):1083-90 (2000)

2008 What have we learned about optimal induction therapy for lupus nephritis (III through
V) from randomized, controlled trials?
62 [18287258] Clin J Am Soc Nephrol 3(3):895-8 (2008)

2007 Mycophenolate mofetil for induction therapy of lupus nephritis: a systematic review
and meta-analysis.
63 [17702723] Clin J Am Soc Nephrol 2(5):968-75 (2007)

2007 Role of mycophenolate mofetil in the treatment of lupus nephritis.
64 [17702717] Clin J Am Soc Nephrol 2(5):879-82 (2007)

2006 New therapies for lupus nephritis.
65 [17699298] Clin J Am Soc Nephrol 1(4):863-8 (2006)

2004 Management of lupus nephritis: an update.
66 [15466274] J Am Soc Nephrol 15(10):2694-704 (2004)

1999 Lupus nephritis.
67 [10215343] J Am Soc Nephrol 10(2):413-24 (1999)

2003 Pathogenesis of systemic lupus erythematosus.
68 [12835292] J Clin Pathol 56(7):481-90 (2003)

2007 Mycophenolate mofetil in induction and maintenance therapy of severe lupus nephritis:
a meta-analysis of randomized controlled trials.
69 [17405792] Nephrol Dial Transplant 22(7):1933-42 (2007)

2006 Systemic lupus erythematosus.
70 [16722594] Orphanet J Rare Dis 1(-):6 (2006)

1993 Current concepts of neuropsychiatric systemic lupus erythematosus (NP-SLE).
71 [8234102] Postgrad Med J 69(814):602-8 (1993)

2007 Ocular manifestations of systemic lupus erythematosus.
72 [17681981] Rheumatology (Oxford) 46(12):1757-62 (2007)

2005 Complement and its breakdown products in SLE.
73 [15972354] Rheumatology (Oxford) 44(10):1227-32 (2005)

2005 Experimental models of systemic lupus erythematosus: anti-dsDNA in murine lupus.
74 [15914499] Rheumatology (Oxford) 44(9):1086-9 (2005)

2002 Long-term complications of systemic lupus erythematosus.
75 [12364626] Rheumatology (Oxford) 41(10):1095-100 (2002)

2002 The central nervous system in systemic lupus erythematosus. Part 2. Pathogenetic
mechanisms of clinical syndromes: a literature investigation.
76 [12048287] Rheumatology (Oxford) 41(6):619-30 (2002)

2002 The central nervous system in systemic lupus erythematosus. Part 1. Clinical
syndromes: a literature investigation.
77 [12048286] Rheumatology (Oxford) 41(6):605-18 (2002)

2000 Links between complement abnormalities and systemic lupus erythematosus.
78 [10725062] Rheumatology (Oxford) 39(2):133-41 (2000)

2000 Systemic lupus erythematosus-messages from experimental models.
79 [10662869] Rheumatology (Oxford) 39(1):18-27 (2000)

1999 A review of gastrointestinal manifestations of systemic lupus erythematosus.
80 [10534541] Rheumatology (Oxford) 38(10):917-32 (1999)

1985 Heart disease in systemic lupus erythematosus: diagnosis and management.

81 [15227037] *Tex Heart Inst J* 12(1):9-21 (1985)

2000 **Pleuropulmonary manifestations of systemic lupus erythematosus.**
82 [10639536] *Thorax* 55(2):159-66 (2000)

1975 **Editorial: Pathogenesis of systemic lupus erythematosus.**
83 [1078744] *West J Med* 122(2):157-8 (1975)

1975 **Recent advances in the immunopathogenesis of systemic lupus erythematosus.**
84 [46657] *West J Med* 122(2):130-44 (1975)

2005 **Acute pancreatitis as an initial symptom of systemic lupus erythematosus: a case report and review of the literature.**
85 [16094728] *World J Gastroenterol* 11(30):4766-8 (2005)

1997 **Lupus nephritis.**
86 [9264014] *Kidney Int* 52(2):538-58 (1997)

1994 **Lupus nephritis: lessons from the path lab.**
87 [8196299] *Kidney Int* 45(3):928-38 (1994)

1992 **Induction and progression of experimental lupus nephritis: exploration of a pathogenetic pathway.**
88 [1593861] *Kidney Int* 41(1):5-13 (1992)

1986 **The treatment of lupus nephritis.**
89 [3537464] *Kidney Int* 30(5):769-87 (1986)

2004 **Imaging findings in systemic lupus erythematosus.**
90 [15256629] *Radiographics* 24(4):1069-86 (2004)

2008 **The clinical importance of lymphadenopathy in systemic lupus erythematosus.**
91 [19107085] *Acta Reumatol Port* 33(4):402-6 (2008)

2008 **Novel therapies in lupus - focus on nephritis.**
92 [18604181] *Acta Reumatol Port* 33(2):157-69 (2008)

2010 **European League Against Rheumatism recommendations for monitoring patients with systemic lupus erythematosus in clinical practice and in observational studies.**
93 [19892750] *Ann Rheum Dis* 69(7):1269-74 (2010)

2011 **Disturbances of apoptotic cell clearance in systemic lupus erythematosus.**
94 [21371352] *Arthritis Res Ther* 13(1):202 (2011)

2011 **Chromatin as a target antigen in human and murine lupus nephritis.**
95 [21542875] *Arthritis Res Ther* 13(2):214 (2011)

2003 **B cell abnormalities in systemic lupus erythematosus.**
96 [15180894] *Arthritis Res Ther* 5 Suppl 4(-):S22-7 (2003)

2010 **A new tool for detection of type I interferon activation in systemic lupus erythematosus.**
97 [20815919] *Arthritis Res Ther* 12(4):138 (2010)

2010 **Central role of nitric oxide in the pathogenesis of rheumatoid arthritis and systemic lupus erythematosus.**
98 [20609263] *Arthritis Res Ther* 12(3):210 (2010)

2010 **The role of dendritic cells in the pathogenesis of systemic lupus erythematosus.**
99 [20423534] *Arthritis Res Ther* 12(2):207 (2010)

2010 **Systemic lupus erythematosus and its ABCs (APRIL/BLyS complexes).**
100 [20441604] *Arthritis Res Ther* 12(2):111 (2010)

2010 **Identity of mysterious CD4+CD25-Foxp3+ cells in SLE.**
101 [20122288] *Arthritis Res Ther* 12(1):101 (2010)

2009 **The role of anti-alpha-actinin antibodies in the pathogenesis and monitoring of lupus nephritis.**
102 [20017900] *Arthritis Res Ther* 11(6):137 (2009)

2009 **Biomarkers as tools for improved diagnostic and therapeutic monitoring in systemic lupus erythematosus.**
103 [19939293] *Arthritis Res Ther* 11(6):255 (2009)

2009 **TWEAK: a novel biomarker for lupus nephritis?**
104 [19951398] *Arthritis Res Ther* 11(6):133 (2009)

2004 **Systemic lupus erythematosus in three ethnic groups. XIX. Natural history of the accrual of the American College of Rheumatology criteria prior to the occurrence of criteria diagnosis.**
105 [15334435] *Arthritis Rheum* 51(4):609-15 (2004)

2004 **The American College of Rheumatology response criteria for systemic lupus erythematosus clinical trials: measures of overall disease activity.**
106 [15529383] *Arthritis Rheum* 50(11):3418-26 (2004)

2004 **Cyclophosphamide for severe lupus nephritis: where are we now?**
107 [15593210] *Arthritis Rheum* 50(12):3748-50 (2004)

2003 **Sex hormones and systemic lupus erythematosus: review and meta-analysis.**
108 [12905462] *Arthritis Rheum* 48(8):2100-10 (2003)

2003 **Anti-double-stranded DNA antibodies, nucleosomes, and systemic lupus erythematosus: a time for new paradigms?**
109 [12571837] *Arthritis Rheum* 48(2):300-12 (2003)

2009 **Contrast in aberrant microRNA expression in systemic lupus erythematosus and rheumatoid arthritis: is microRNA-146 all we need?**
110 [19333929] *Arthritis Rheum* 60(4):912-5 (2009)

2009 **Systemic lupus erythematosus: a matter of life and death.**
111 [19479835] *Arthritis Rheum* 60(6):1567-70 (2009)

2009 **Macrophage activation syndrome in juvenile systemic lupus erythematosus: a multinational multicenter study of thirty-eight patients.**
112 [19877067] *Arthritis Rheum* 60(11):3388-99 (2009)

2009 **Rheumatoid arthritis does not share most of the newly identified systemic lupus erythematosus genetic factors.**
113 [19714582] *Arthritis Rheum* 60(9):2558-64 (2009)

2007 **Systemic lupus erythematosus.**
114 [17974690] *BMJ* 335(7626):933-6 (2007)

2006 Targeting of B cells in SLE: rationale and therapeutic opportunities.
 115 [17121490] Bull NYU Hosp Jt Dis 64(1-2):51-6 (2006)
2010 Trials and tribulations in systemic lupus erythematosus.
 116 [20969548] Bull NYU Hosp Jt Dis 68(3):175-8 (2010)
2007 B cell biology and dysfunction in SLE.
 117 [17922667] Bull NYU Hosp Jt Dis 65(3):182-6 (2007)
2007 Biomarker discovery in human SLE nephritis.
 118 [17922668] Bull NYU Hosp Jt Dis 65(3):187-93 (2007)
2007 Neuropsychiatric lupus: clinical and imaging aspects.
 119 [17922669] Bull NYU Hosp Jt Dis 65(3):194-9 (2007)
2007 Cutaneous lupus: insights into pathogenesis and disease classification.
 120 [17922670] Bull NYU Hosp Jt Dis 65(3):200-4 (2007)
2008 Lupus nephritis: histology, diagnosis, and treatment.
 121 [18937630] Bull NYU Hosp Jt Dis 66(3):188-94 (2008)
2008 Premature atherosclerotic cardiovascular disease and systemic lupus erythematosus from bedside to bench.
 122 [18937629] Bull NYU Hosp Jt Dis 66(3):184-7 (2008)
2008 The genetic contribution to systemic lupus erythematosus.
 123 [18937628] Bull NYU Hosp Jt Dis 66(3):176-83 (2008)
2010 Gastrointestinal involvement in systemic lupus erythematosus: insight into pathogenesis, diagnosis and treatment.
 124 [20572299] World J Gastroenterol 16(24):2971-7 (2010)
2010 Updates on the treatment of lupus nephritis.
 125 [21051743] J Am Soc Nephrol 21(12):2028-35 (2010)
2004 Reclassification of lupus glomerulonephritis: back to the future.
 126 [14747399] J Am Soc Nephrol 15(2):501-3 (2004)
2009 Nephritogenic potential of anti-DNA antibodies against necrotic nucleosomes.
 127 [19329762] J Am Soc Nephrol 20(4):696-704 (2009)
2004 Distinguishing C1q nephropathy from lupus nephritis.
 128 [15004260] Nephrol Dial Transplant 19(6):1420-6 (2004)
2004 Deranged removal of apoptotic cells: its role in the genesis of lupus.
 129 [14736945] Nephrol Dial Transplant 19(2):282-5 (2004)
2009 How did cyclophosphamide become the drug of choice for lupus nephritis?
 130 [19056783] Nephrol Dial Transplant 24(2):381-4 (2009)
2006 Looking backward: a review of the treatment of systemic lupus erythematosus in end-stage renal disease after a quarter of century.
 131 [16384832] Nephrol Dial Transplant 21(6):1739 (2006)
2011 The MRL/lpr mouse strain as a model for neuropsychiatric systemic lupus erythematosus.
 132 [21331367] J Biomed Biotechnol 2011(-):207504 (2011)
2011 Murine models of systemic lupus erythematosus.
 133 [21403825] J Biomed Biotechnol 2011(-):271694 (2011)
2010 Efficacy and cytokine modulating effects of tacrolimus in systemic lupus erythematosus: a review.
 134 [20625508] J Biomed Biotechnol 2010(-):686480 (2010)
2010 Interleukin-21: a new mediator of inflammation in systemic lupus erythematosus.
 135 [20652041] J Biomed Biotechnol 2010(-):294582 (2010)
2010 Interferon alpha in systemic lupus erythematosus.
 136 [20652065] J Biomed Biotechnol 2010(-):948364 (2010)
2010 Cytokine overproduction, T-cell activation, and defective T-regulatory functions promote nephritis in systemic lupus erythematosus.
 137 [20671931] J Biomed Biotechnol 2010(-):457146 (2010)
2010 Anti-TNF-alpha therapies in systemic lupus erythematosus.
 138 [20625488] J Biomed Biotechnol 2010(-):465898 (2010)
2010 Cytokines and chemokines in neuropsychiatric syndromes of systemic lupus erythematosus.
 139 [20617145] J Biomed Biotechnol 2010(-):268436 (2010)
2010 Cytokines and their roles in the pathogenesis of systemic lupus erythematosus: from basics to recent advances.
 140 [20467470] J Biomed Biotechnol 2010(-):365083 (2010)
2010 Cytokine networks in systemic lupus erythematosus.
 141 [20414360] J Biomed Biotechnol 2010(-):676284 (2010)
2010 Biomarkers for lupus nephritis: a critical appraisal.
 142 [20414362] J Biomed Biotechnol 2010(-):638413 (2010)
2010 IL-17 in systemic lupus erythematosus.
 143 [20379379] J Biomed Biotechnol 2010(-):943254 (2010)
2010 Cytokines in systemic lupus erythematosus.
 144 [21603232] J Biomed Biotechnol 2010(-):735169 (2010)
2010 Genetics of systemic lupus erythematosus: contributions of mouse models in the era of human genome-wide association studies.
 145 [20670601] Discov Med 10(50):71-8 (2010)
2011 Treating lupus in the kidney: where are we now, and where are we going?
 146 [22031671] Discov Med 12(65):341-9 (2011)
2010 Targeting B cells for the treatment of SLE: the beginning of the end or the end of the beginning?
 147 [21122473] Discov Med 10(54):416-24 (2010)
2010 mTOR signaling: a central pathway to pathogenesis in systemic lupus erythematosus?
 148 [20350481] Discov Med 9(46):173-8 (2010)
2010 Biologic therapy for systemic lupus erythematosus.
 149 [20102681] Discov Med 9(44):20-3 (2010)
2009 The busy life of regulatory T cells in systemic lupus erythematosus.

- 150 [19772836] *Discov Med* 8(40):13-7 (2009)
- 2010 **IgA anti-beta2-glycoprotein I autoantibodies are associated with an increased risk of thromboembolic events in patients with systemic lupus erythematosus.**
- 151 [20808864] *PLoS One* 5(8):e12280 (2010)
- 2010 **The role of B cells in lupus pathogenesis.**
- 152 [19850148] *Int J Biochem Cell Biol* 42(4):543-50 (2010)
- 2005 **Cellular and molecular mechanisms of regulation of autoantibody production in lupus.**
- 153 [16126985] *Ann N Y Acad Sci* 1051(-):433-41 (2005)
- 2008 **Psychosis due to systemic lupus erythematosus: characteristics and long-term outcome of this rare manifestation of the disease.**
- 154 [18658205] *Rheumatology (Oxford)* 47(10):1498-502 (2008)
- 2004 **Prevention of cardiovascular disease in systemic lupus erythematosus--proposed guidelines for risk factor management.**
- 155 [12867578] *Rheumatology (Oxford)* 43(1):7-12 (2004)
- 2003 **Pathological lymphocyte activation by defective clearance of self-ligands in systemic lupus erythematosus.**
- 156 [12595613] *Rheumatology (Oxford)* 42(2):214-22 (2003)
- 2009 **Update on immunotherapy for systemic lupus erythematosus--what's hot and what's not!**
- 157 [19155279] *Rheumatology (Oxford)* 48(4):332-41 (2009)
- 2008 **Neuropsychiatric lupus and reversible posterior leucoencephalopathy syndrome: a challenging clinical dilemma.**
- 158 [18084001] *Rheumatology (Oxford)* 47(3):256-62 (2008)
- 2008 **Learning from past mistakes: assessing trial quality, power and eligibility in non-renal systemic lupus erythematosus randomized controlled trials.**
- 159 [18577549] *Rheumatology (Oxford)* 47(9):1367-72 (2008)
- 2008 **Challenges of lupus pregnancies.**
- 160 [18504287] *Rheumatology (Oxford)* 47 Suppl 3(-):iii9-12 (2008)
- 2006 **Moderate and severe neutropenia in patients with systemic lupus erythematosus.**
- 161 [16484291] *Rheumatology (Oxford)* 45(8):994-8 (2006)
- 2009 **Osteoporosis in patients with systemic lupus erythematosus.**
- 162 [19891237] *Isr Med Assoc J* 11(8):486-91 (2009)
- 2008 **A novel synthetic peptide for the specific treatment of lupus: clinical effects and mechanism of action.**
- 163 [18300570] *Isr Med Assoc J* 10(1):40-2 (2008)
- 2008 **The story of the 16/6 idiotype and systemic lupus erythematosus.**
- 164 [18300569] *Isr Med Assoc J* 10(1):37-9 (2008)
- 2008 **Reversible posterior encephalopathy syndrome in systemic lupus erythematosus and lupus nephritis.**
- 165 [18451582] *Intern Med* 47(9):867-75 (2008)
- 2004 **Conference report--lupus nephritis: diagnosis, therapy, and outcomes.**
- 166 [15520647] *MedGenMed* 6(3):23 (2004)
- 2010 **Lupus band test.**
- 167 [20445312] *Indian J Dermatol Venereol Leprol* 76(3):298-300 (2010)
- 2010 **Review article: systemic lupus erythematosus: a review for anesthesiologists.**
- 168 [20601448] *Anesth Analg* 111(3):665-76 (2010)
- 2003 **Lupus autoantibodies 101: one size does not fit all; however, specificity influences pathogenicity.**
- 169 [12605690] *Clin Exp Immunol* 131(3):396-7 (2003)
- 2009 **Interleukin-17 and systemic lupus erythematosus: current concepts.**
- 170 [19604260] *Clin Exp Immunol* 157(2):209-15 (2009)
- 2012 **Imaging assessment of cardiovascular disease in systemic lupus erythematosus.**
- 171 [22110536] *Clin Dev Immunol* 2012(-):694143 (2012)
- 2012 **RP105-negative B cells in systemic lupus erythematosus.**
- 172 [21941580] *Clin Dev Immunol* 2012(-):259186 (2012)
- 2010 **Targeting Toll-like receptors for treatment of SLE.**
- 173 [20886024] *Mediators Inflamm* 2010(-):- (2010)
- 2004 **Estrogen metabolites: increasing evidence for their role in rheumatoid arthritis and systemic lupus erythematosus.**
- 174 [14994382] *J Rheumatol* 31(3):419-21 (2004)
- 2004 **The pathogenesis of neuropsychiatric manifestations in systemic lupus erythematosus: a disease in search of autoantibodies, or autoantibodies in search of a disease?**
- 175 [15517616] *J Rheumatol* 31(11):2093-8 (2004)
- 2007 **Renal biopsy at the onset of clinical lupus nephritis: can it yield useful information?**
- 176 [17304650] *J Rheumatol* 34(2):256-8 (2007)
- 2006 **Early diagnosis and treatment in lupus nephritis: how we can influence the risk for terminal renal failure.**
- 177 [16881102] *J Rheumatol* 33(8):1464-6 (2006)
- 2009 **Aicardi-Goutieres syndrome and related phenotypes: linking nucleic acid metabolism with autoimmunity.**
- 178 [19808788] *Hum Mol Genet* 18(R2):R130-6 (2009)
- 2009 **Pancreatitis and systemic lupus erythematosus.**
- 179 [19785498] *Rev Esp Enferm Dig* 101(8):571-9 (2009)
- 2011 **HDAC inhibition in lupus models.**
- 180 [21327298] *Mol Med* 17(5-6):417-25 (2011)
- 2009 **Biomarkers for lupus nephritis: the quest continues.**
- 181 [19729426] *Clin J Am Soc Nephrol* 4(11):1858-65 (2009)
- 2010 **The role of apoptosis proteins and complement components in the etiopathogenesis of systemic lupus erythematosus.**
- 182 [20360925] *Clinics (Sao Paulo)* 65(3):327-33 (2010)
- 2008 **Vasculopathy and vasculitis in systemic lupus erythematosus.**

- 183 [18405174] Pol Arch Med Wewn 118(1-2):57-63 (2008)
- 2010 Genetic factors predisposing to systemic lupus erythematosus and lupus nephritis.
- 184 [20347645] Semin Nephrol 30(2):164-76 (2010)
- 2007 Neuroimmunopathology in a murine model of neuropsychiatric lupus.
- 185 [17223198] Brain Res Rev 54(1):67-79 (2007)
- 2007 Nitric oxide, mitochondrial hyperpolarization, and T cell activation.
- 186 [17462531] Free Radic Biol Med 42(11):1625-31 (2007)
- 2010 Advances in drug therapy for systemic lupus erythematosus.
- 187 [21114845] BMC Med 8(-):77 (2010)
- 2010 Mouse models of systemic lupus erythematosus reveal a complex pathogenesis.
- 188 [20448279] Vet Pathol 47(4):664-76 (2010)
- 2005 Demographics and presenting clinical features of childhood systemic lupus erythematosus.
- 189 [16100891] S Afr Med J 95(6):424-7 (2005)
- 2009 Lupus erythematosus masquerading as erythema multiforme: does Rowell syndrome really exist?
- 190 [19336022] Dermatol Online J 15(2):5 (2009)
- 2007 The Hopkins Lupus Pregnancy Center: ten key issues in management.
- 191 [17499704] Rheum Dis Clin North Am 33(2):227-35, v (2007)
- 2007 Lupus activity in pregnancy.
- 192 [17499705] Rheum Dis Clin North Am 33(2):237-52, v (2007)
- 2007 Lupus erythematosus gyratus repens.
- 193 [17324834] Eur J Dermatol 17(1):79-82 (2007)
- 2010 Mitral valve surgery for mitral regurgitation caused by Libman-Sacks endocarditis: a report of four cases and a systematic review of the literature.
- 194 [20331896] J Cardiothorac Surg 5(-):13 (2010)
- 2011 Aggressive cardiac involvement in systemic lupus erythematosus: a case report and a comprehensive literature review.
- 195 [21350606] Cardiol Res Pract 2011(-):578390 (2011)
- 2009 Pathogenesis of kidney disease in systemic lupus erythematosus.
- 196 [19584729] Curr Opin Rheumatol 21(5):489-94 (2009)
- 2009 The search for lupus biomarkers.
- 197 [19591781] Best Pract Res Clin Rheumatol 23(4):507-23 (2009)
- 2009 Malignancy in systemic lupus erythematosus: what have we learned?
- 198 [19591783] Best Pract Res Clin Rheumatol 23(4):539-47 (2009)
- 2011 Current views on etiopathogenesis of systemic lupus erythematosus.
- 199 [22100802] Postepy Hig Med Dosw (Online) 65(0):683-703 (2011)
- 2010 Arrhythmias in systemic lupus erythematosus.
- 200 [21125143] Rev Bras Reumatol 50(1):81-9 (2010)
- 2007 Identification of type I interferon-associated inflammation in the pathogenesis of cutaneous lupus erythematosus opens up options for novel therapeutic approaches.
- 201 [17437489] Exp Dermatol 16(5):454-63 (2007)
- 2010 T cells as therapeutic targets in SLE.
- 202 [20458333] Nat Rev Rheumatol 6(6):317-25 (2010)
- 2011 Clearing the complexity: immune complexes and their treatment in lupus nephritis.
- 203 [21694945] Int J Nephrol Renovasc Dis 4(-):17-28 (2011)
- 2010 Clinical outcome measures for cutaneous lupus erythematosus.
- 204 [20693208] Lupus 19(9):1137-43 (2010)
- 2004 Rationale for interleukin-6 blockade in systemic lupus erythematosus.
- 205 [15230289] Lupus 13(5):339-43 (2004)
- 2010 Understanding the epidemiology and progression of systemic lupus erythematosus.
- 206 [19136143] Semin Arthritis Rheum 39(4):257-68 (2010)
- 2010 Dendritic cells in systemic lupus erythematosus.
- 207 [20367140] Int Rev Immunol 29(2):184-209 (2010)
- 2008 Interferon alpha-induced lupus: proof of principle.
- 208 [18525429] J Clin Rheumatol 14(3):131-2 (2008)
- 2008 Neuropsychiatric systemic lupus erythematosus reconsidered.
- 209 [18200006] Nat Clin Pract Rheumatol 4(3):112-3 (2008)
- 2008 Neuropsychological impairment in systemic lupus erythematosus: a comparison with multiple sclerosis.
- 210 [18521755] Neuropsychol Rev 18(2):149-66 (2008)
- 2010 Neurologic manifestations of systemic lupus erythematosus in children and adults.
- 211 [19932376] Neurol Clin 28(1):61-73 (2010)
- 2010 Advances in lupus stemming from the parent-into-F1 model.
- 212 [20362509] Trends Immunol 31(6):236-45 (2010)
- 2005 SLE: translating lessons from model systems to human disease.
- 213 [16153890] Trends Immunol 26(11):572-9 (2005)
- 2011 Cause of systemic lupus erythematosus: a novel self-organized criticality theory of autoimmunity.
- 214 [22014010] Expert Rev Clin Immunol 7(6):715-7 (2011)
- 2010 Recent advances in the genetics of systemic lupus erythematosus.
- 215 [20441431] Expert Rev Clin Immunol 6(3):461-79 (2010)
- 2010 Anticytokine therapies in systemic lupus erythematosus.
- 216 [20636010] Immunotherapy 2(4):575-82 (2010)
- 2009 Induction of mucosal tolerance in SLE: a sniff or a sip away from ameliorating lupus?
- 217 [18938110] Clin Immunol 130(2):111-22 (2009)
- 2010 Targeting B cells with biologics in systemic lupus erythematosus.
- 218 [20919800] Expert Opin Biol Ther 10(11):1555-61 (2010)
- 2010 Pathogenesis of human systemic lupus erythematosus: recent advances.
- 219 [20138006] Trends Mol Med 16(2):47-57 (2010)
- 2009 The risk of ultraviolet radiation exposure from indoor lamps in lupus erythematosus.

220 [18992852] *Autoimmun Rev* 8(4):320-4 (2009)
 210 **Pathways: Strategies for susceptibility genes in SLE.**
 221 [20144911] *Autoimmun Rev* 9(7):473-6 (2010)
 2009 **Overview of signal processing by the immune system in systemic lupus erythematosus.**
 222 [18722560] *Autoimmun Rev* 8(3):177-8 (2009)
 2009 **Aberrant T cell ERK pathway signaling and chromatin structure in lupus.**
 223 [18723128] *Autoimmun Rev* 8(3):196-8 (2009)
 2009 **Altered B cell receptor signaling in human systemic lupus erythematosus.**
 224 [18723129] *Autoimmun Rev* 8(3):209-13 (2009)
 2009 **Metabolic control of T cell activation and death in SLE.**
 225 [18722557] *Autoimmun Rev* 8(3):184-9 (2009)
 2009 **Toll-like receptors in systemic lupus erythematosus; prospects for therapeutic intervention.**
 226 [18722558] *Autoimmun Rev* 8(3):204-8 (2009)
 2008 **Novel molecular targets in the treatment of systemic lupus erythematosus.**
 227 [18190888] *Autoimmun Rev* 7(3):256-61 (2008)
 2008 **Induction of immune tolerance by activation of CD8+ T suppressor/regulatory cells in lupus-prone mice.**
 228 [18817829] *Hum Immunol* 69(11):790-6 (2008)
 2008 **Inhibitory CD8+ T cells in autoimmune disease.**
 229 [18812196] *Hum Immunol* 69(11):781-9 (2008)
 2009 **The pathophysiology of hypertension in systemic lupus erythematosus.**
 230 [19158408] *Am J Physiol Regul Integr Comp Physiol* 296(4):R1258-67 (2009)
 211 **An update on belimumab for the treatment of lupus.**
 231 [21383914] *Biologics* 5(-):33-43 (2011)
 2010 **n-3 polyunsaturated fatty acids and autoimmune-mediated glomerulonephritis.**
 232 [20189790] *Prostaglandins Leukot Essent Fatty Acids* 82(4-6):251-8 (2010)
 2009 **Meta-analysis and imputation identifies a 109 kb risk haplotype spanning TNFAIP3 associated with lupus nephritis and hematologic manifestations.**
 233 [19387456] *Genes Immun* 10(5):470-7 (2009)
 2009 **Fcgamma receptors: structure, function and role as genetic risk factors in SLE.**
 234 [19421223] *Genes Immun* 10(5):380-9 (2009)
 2003 **Alterations in leucocyte trafficking in lupus-prone mice: an examination of the MRL/faslpr mouse.**
 235 [12969327] *Immunol Cell Biol* 81(5):390-6 (2003)
 2008 **Interferon-inducible Ifi200-family genes in systemic lupus erythematosus.**
 236 [18598717] *Immunol Lett* 119(1-2):32-41 (2008)
 2010 **Key role of ERK pathway signaling in lupus.**
 237 [19961364] *Autoimmunity* 43(1):17-22 (2010)
 2010 **The biology of reactive intermediates in systemic lupus erythematosus.**
 238 [20001422] *Autoimmunity* 43(1):56-63 (2010)
 2010 **Regulation of autoreactive B cell responses to endogenous TLR ligands.**
 239 [20014959] *Autoimmunity* 43(1):76-83 (2010)
 2010 **Autoantibody-dependent and autoantibody-independent roles for B cells in systemic lupus erythematosus: past, present, and future.**
 240 [20014977] *Autoimmunity* 43(1):84-97 (2010)
 2007 **PTPN22: its role in SLE and autoimmunity.**
 241 [18075792] *Autoimmunity* 40(8):582-90 (2007)
 2008 **Epigenetics in human autoimmunity. Epigenetics in autoimmunity - DNA methylation in systemic lupus erythematosus and beyond.**
 242 [18432408] *Autoimmunity* 41(4):278-86 (2008)
 2009 **Why can't we find a new treatment for SLE?**
 243 [19329279] *J Autoimmun* 32(3-4):223-30 (2009)

Bioinformatics	Metabolomics	Protein (protein binding)	Simulation of biological processes (Bioinformatics)
Data base (Medicine Biology Pharmacology)	Methods of biochemical experimentation	Proteomics	Synthetic biology
Genetics (Methods)	Network medicine	Protists	Systems biology
Graph theoretical concepts	Ontology	Semantic Web	Text mining
Hemopoiesis (BASKET)	Plastid	Signal transduction	

- 2008** Can systems biology understand pathway activation? Gene expression signatures as surrogate markers for understanding the complexity of pathway activation.
1 [19517027] Curr Genomics 9(5):349-60 (2008)
- 2007** Resources, standards and tools for systems biology.
2 [17942476] Brief Funct Genomic Proteomic 6(3):240-51 (2007)
- 2007** Computational systems biology in cancer: modeling methods and applications.
3 [19936081] Gene Regul Syst Bio 1(-):91-110 (2007)
- 2008** Systems biology-What's in a name?
4 [18541925] Am J Physiol Cell Physiol 294(6):C1299 (2008)
- 2004** Primer on medical genomics. Part XIV: Introduction to systems biology--a new approach to understanding disease and treatment.
5 [15132407] Mayo Clin Proc 79(5):651-8 (2004)
- 2011** Systems biology in immunology: a computational modeling perspective.
6 [21219182] Annu Rev Immunol 29(-):527-85 (2011)
- 2011** Systems biology applied to vaccine and immunotherapy development.
7 [21933421] BMC Syst Biol 5(-):146 (2011)
- 2011** Computational systems biology: integration of sequence, structure, network, and dynamics.
8 [21689468] BMC Syst Biol 5 Suppl 1(-):S1 (2011)
- 2010** Which metabolic pathways generate and characterize the flux space? A comparison among elementary modes, extreme pathways and minimal generators.
9 [20467567] J Biomed Biotechnol 2010(-):753904 (2010)
- 2010** Rewiring and regulation of cross-compartmentalized metabolism in protists.
10 [20124348] Philos Trans R Soc Lond B Biol Sci 365(1541):831-45 (2010)
- 2010** Biophysics and systems biology.
11 [20123750] Philos Transact A Math Phys Eng Sci 368(1914):1125-39 (2010)
- 2010** Hematopoiesis and its disorders: a systems biology approach.
12 [20103779] Blood 115(12):2339-47 (2010)
- 2008** Mathematical models in mammalian cell biology.
13 [18638360] Genome Biol 9(7):316 (2008)
- 2010** Towards a rigorous assessment of systems biology models: the DREAM3 challenges.
14 [20186320] PLoS One 5(2):e9202 (2010)
- 2009** Dynamic proteomics in modeling of the living cell. Protein-protein interactions.
15 [20210711] Biochemistry (Mosc) 74(13):1586-607 (2009)
- 2005** Multiscale modeling of cardiac cellular energetics.
16 [16093514] Ann N Y Acad Sci 1047(-):395-424 (2005)
- 2010** What is systems biology?
17 [20143938] Future Microbiol 5(2):139-41 (2010)
- 2006** Graph-based methods for analysing networks in cell biology.
18 [16880171] Brief Bioinform 7(3):243-55 (2006)
- 2006** Representing, storing and accessing molecular interaction data: a review of models and tools.
19 [17132622] Brief Bioinform 7(4):331-8 (2006)
- 2006** Understanding the computational methodologies of systems biology.
20 [17132621] Brief Bioinform 7(4):315-7 (2006)
- 2006** Application of wavelet-based tools to study the dynamics of biological processes.
21 [17118945] Brief Bioinform 7(4):375-89 (2006)
- 2006** Computational methodologies for modelling, analysis and simulation of signalling networks.
22 [17116646] Brief Bioinform 7(4):339-53 (2006)
- 2006** Dynamic modelling and analysis of biochemical networks: mechanism-based models and model-based experiments.
23 [17107967] Brief Bioinform 7(4):364-74 (2006)
- 2006** Resources for integrative systems biology: from data through databases to networks and dynamic system models.
24 [17040977] Brief Bioinform 7(4):318-30 (2006)
- 2006** Mining literature for systems biology.
25 [17032698] Brief Bioinform 7(4):399-406 (2006)
- 2006** Strategies for dealing with incomplete information in the modeling of molecular interaction networks.
26 [17003073] Brief Bioinform 7(4):354-63 (2006)
- 2006** Advanced computing for systems biology.
27 [17000735] Brief Bioinform 7(4):390-8 (2006)
- 2010** SynBioSS designer: a web-based tool for the automated generation of kinetic models for synthetic biological constructs.
28

[20639523] Brief Bioinform 11(4):394-402 (2010)
 2007 **Protein interactions and disease: computational approaches to uncover the etiology of**
 29 **diseases.**
 [17638813] Brief Bioinform 8(5):333-46 (2007)
 2007 **Current progress in network research: toward reference networks for key model**
 30 **organisms.**
 [17728341] Brief Bioinform 8(5):318-32 (2007)
 2007 **Partial least squares: a versatile tool for the analysis of high-dimensional genomic**
 31 **data.**
 [16772269] Brief Bioinform 8(1):32-44 (2007)
 2008 **Building a knowledge base for systems pathology.**
 32 [19073714] Brief Bioinform 9(6):518-31 (2008)
 2007 **Graphs in molecular biology.**
 33 [17903289] BMC Bioinformatics 8 Suppl 6(-):S8 (2007)
 2009 **Intelligently deciphering unintelligible designs: algorithmic algebraic model checking**
 34 **in systems biology.**
 [19364723] J R Soc Interface 6(36):575-97 (2009)
 2007 **Tools for visually exploring biological networks.**
 35 [17720984] Bioinformatics 23(20):2651-9 (2007)
 2011 **Whole genome network analysis of ion channels and connexins in myocardial**
 36 **infarction.**
 [21471719] Cell Physiol Biochem 27(3-4):299-304 (2011)
 2010 **Construction and analysis of protein-protein interaction networks.**
 37 [20334628] Autom Exp 2(1):2 (2010)
 2011 **Network medicine: a network-based approach to human disease.**
 38 [21164525] Nat Rev Genet 12(1):56-68 (2011)
 2008 **From proteomics toward systems biology: integration of different types of proteomics**
 39 **data into network models.**
 [18377721] BMB Rep 41(3):184-93 (2008)
 2008 **What is systems biology?**
 40 [18621799] Brief Funct Genomic Proteomic 7(4):237-8 (2008)
 2008 **A review on models and algorithms for motif discovery in protein-protein interaction**
 41 **networks.**
 [18443014] Brief Funct Genomic Proteomic 7(2):147-56 (2008)
 2009 **Reconstruction of biochemical networks in microorganisms.**
 42 [19116616] Nat Rev Microbiol 7(2):129-43 (2009)
 2011 **Tools used to study how protein complexes are assembled in signaling cascades.**
 43 [22002082] Bioeng Bugs 2(5):247-59 (2011)
 2011 **Structural analysis of hubs in human NR-RTK network.**
 44 [21974810] Biol Direct 6(-):49 (2011)
 2008 **Standards and ontologies in computational systems biology.**
 45 [18793134] Essays Biochem 45(-):211-22 (2008)
 2007 **Systems developmental biology: the use of ontologies in annotating models and in**
 46 **identifying gene function within and across species.**
 [17566825] Mamm Genome 18(6-7):402-11 (2007)
 2010 **Computational approaches for detecting protein complexes from protein interaction**
 47 **networks: a survey.**
 [20158874] BMC Genomics 11 Suppl 1(-):S3 (2010)
 2007 **Computational identification of cellular networks and pathways.**
 48 [17579773] Mol Biosyst 3(7):478-82 (2007)
 2011 **Interactomes, manufacturomes and relational biology: analogies between systems**
 49 **biology and manufacturing systems.**
 [21689427] Theor Biol Med Model 8(-):19 (2011)
 2011 **Review and application of group theory to molecular systems biology.**
 50 [21696623] Theor Biol Med Model 8(-):21 (2011)
 2010 **Computational modeling of mammalian signaling networks.**
 51 [20836022] Wiley Interdiscip Rev Syst Biol Med 2(2):194-209 (2010)

Bacteria (Commensal)	GATA binding protein 3	RAG2	T cell (CD4pos)
Cell differentiation	GATA3	RORgammat	T cell (Th1)
Colitis ulcerosa	Ifng locus	STAT4	T cell (Th17)
Epigenetics	Interleukin4	STAT6	T cell (Th2)
FoxP3	NFAT	T bet	

2006 The T-box transcription factor T-bet in immunity and autoimmunity.

1 [16696895] Cell Mol Immunol 3(2):87-95 (2006)

2010 NFAT pulls the strings during CD4+ T helper cell effector functions.

2 [20103781] Blood 115(15):2989-97 (2010)

2010 Molecular mechanisms by which T-bet regulates T-helper cell commitment.

3 [20969596] Immunol Rev 238(1):233-46 (2010)

2009 Epigenetics and T helper 1 differentiation.

4 [19178593] Immunology 126(3):299-305 (2009)

2009 Common themes emerge in the transcriptional control of T helper and developmental cell fate decisions regulated by the T-box, GATA and ROR families.

5 [19302139] Immunology 126(3):306-15 (2009)

2009 T-bet-/- RAG2-/- ulcerative colitis: the role of T-bet as a peacekeeper of host-commensal relationships.

6 [19666230] Cytokine 48(1-2):144-7 (2009)

Bacteria (Gene expression) RNA (Riboswitch)	RNA (tRNA) T box protein family		
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2002 **The T-box family.**

1 [\[12093383\] Genome Biol 3\(6\):REVIEWS3008 \(2002\)](#)

2010 **The T box mechanism: tRNA as a regulatory molecule.**

2 [\[19932103\] FEBS Lett 584\(2\):318-24 \(2010\)](#)

T cell (Anergy)	Tolerance (Immunology)		
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2010 Suboptimal engagement of the T-cell receptor by a variety of peptide-MHC ligands triggers T-cell anergy.
1 [20002785] Immunology 129(1):1-7 (2010)

Autoimmunity	ITK	RLK TXK	Tec
B cell (Immunology)	MAIT cells	SOCS	Thymus (BASKET)
BCL6	MTOR	T cell (BASKET)	
Blimp1	Multiphoton imaging	T Cell (Signal transduction)	
Flow cytometry	Protein kinase C theta	T cell receptor	

- 1993 Extrathymic pathways of T-cell differentiation: a primitive and fundamental immune system.**
1 [8350767] Microbiol Immunol 37(4):247-58 (1993)
- 1998 Novel CD4 and CD8 T-cell subsets.**
2 [9930587] Allergy 53(12):1122-32 (1998)
- 2005 Homeostasis of T cell diversity.**
3 [16212905] Cell Mol Immunol 2(1):1-10 (2005)
- 2000 From the ECM to the cytoskeleton and back: how integrins orchestrate T cell action.**
4 [11097209] Dev Immunol 7(2-4):155-70 (2000)
- 2009 The cellular context of T cell signaling.**
5 [19371714] Immunity 30(4):482-92 (2009)
- 2008 Homeostasis of naive and memory T cells.**
6 [19100699] Immunity 29(6):848-62 (2008)
- 2007 Commitment and developmental potential of extrathymic and intrathymic T cell precursors: plenty to choose from.**
7 [17582341] Immunity 26(6):678-89 (2007)
- 2007 Negotiation of the T lineage fate decision by transcription-factor interplay and microenvironmental signals.**
8 [17582342] Immunity 26(6):690-702 (2007)
- 2002 Qualitative differences between naïve and memory T cells.**
9 [12047742] Immunology 106(2):127-38 (2002)
- 2003 Early T lineage progenitors: new insights, but old questions remain.**
10 [14634069] J Immunol 171(11):5653-8 (2003)
- 2006 A three-cell model for activation of naïve T helper cells.**
11 [16867153] Scand J Immunol 64(2):93-6 (2006)
- 2005 The role of apoptosis in the development and function of T lymphocytes.**
12 [16246265] Cell Res 15(10):749-69 (2005)
- 2010 Functional anatomy of T cell activation and synapse formation.**
13 [19968559] Annu Rev Immunol 28(-):79-105 (2010)
- 2009 T cell activation.**
14 [19132916] Annu Rev Immunol 27(-):591-619 (2009)
- 2002 Intercellular transfer of antigen-presenting cell determinants onto T cells: molecular mechanisms and biological significance.**
15 [11919150] FASEB J 16(6):477-86 (2002)
- 2003 Positive and negative regulation of T-cell activation through kinases and phosphatases.**
16 [12485116] Biochem J 371(Pt 1):15-27 (2003)
- 2007 Master switches of T-cell activation and differentiation.**
17 [17400879] Eur Respir J 29(4):804-12 (2007)
- 2010 Alphabeta versus gammadelta lineage choice at the first TCR-controlled checkpoint.**
18 [20074925] Curr Opin Immunol 22(2):185-92 (2010)
- 2009 Untangling the T branch of the hematopoiesis tree.**
19 [19269149] Curr Opin Immunol 21(2):121-6 (2009)
- 2008 Lymphocyte development: overview.**
20 [18513936] Curr Opin Immunol 20(2):127-30 (2008)
- 2008 Notch signaling in CD4 and CD8 T cell development.**
21 [18434124] Curr Opin Immunol 20(2):197-202 (2008)
- 2010 T-cell lineage determination.**
22 [20969581] Immunol Rev 238(1):12-22 (2010)
- 2010 αβ versus γδ fate choice: counting the T-cell lineages at the branch point.**
23 [20969592] Immunol Rev 238(1):169-81 (2010)
- 2009 The Tec kinases Itk and Rlk regulate conventional versus innate T-cell development.**
24 [19290924] Immunol Rev 228(1):115-31 (2009)
- 2010 Modulation of immune responses through direct activation of Toll-like receptors to T cells.**
25 [20128825] Clin Exp Immunol 160(2):168-75 (2010)
- 2008 Lineage fate and intense debate: myths, models and mechanisms of CD4- versus CD8-lineage choice.**
26 [18802443] Nat Rev Immunol 8(10):788-801 (2008)
- 2008 Phenotype and function of human T lymphocyte subsets: consensus and issues.**
27 [18785267] Cytometry A 73(11):975-83 (2008)
- 2007 Protein kinase C theta (PKCθeta): a key player in T cell life and death.**
28 [17544292] Pharmacol Res 55(6):537-44 (2007)
- 2011 T-cell subset regulation in atopy.**
29 [21271314] Curr Allergy Asthma Rep 11(2):139-45 (2011)
- 2009 The original intrathymic progenitor from which T cells originate.**
30 [19542424] J Immunol 183(1):3-4 (2009)

- 2010 **Knocking at the brain's door: intravital two-photon imaging of autoreactive T cell interactions with CNS structures.**
31 [20623286] *Semin Immunopathol* 32(3):275-87 (2010)
- 2010 **Cell-autonomous and environmental contributions to the interstitial migration of T cells.**
32 [20623124] *Semin Immunopathol* 32(3):257-74 (2010)
- 2009 **Suppressors of cytokine signaling (SOCS) in T cell differentiation, maturation, and function.**
33 [19879803] *Trends Immunol* 30(12):592-602 (2009)
- 2010 **New T-helper subsets controlling the immune system and tissue cells.**
34 [20635994] *Immunotherapy* 2(4):427-9 (2010)
- 2011 **Conference Scene: T-cell subset phenotype and function.**
35 [21668307] *Immunotherapy* 3(6):719-21 (2011)
- 2010 **MHC-peptide tetramers for the analysis of antigen-specific T cells.**
36 [20624049] *Expert Rev Vaccines* 9(7):765-74 (2010)
- 2008 **Quantitative challenges in understanding ligand discrimination by alphabeta T cells.**
37 [17825415] *Mol Immunol* 45(3):619-31 (2008)
- 2008 **Tracking phenotypically and functionally distinct T cell subsets via T cell repertoire diversity.**
38 [17719639] *Mol Immunol* 45(3):607-18 (2008)
- 2009 **Where do MAIT cells fit in the family of unconventional T cells?**
39 [19338386] *PLoS Biol* 7(3):e70 (2009)
- 2010 **Effectors and memories: Bcl-6 and Blimp-1 in T and B lymphocyte differentiation.**
40 [20084069] *Nat Immunol* 11(2):114-20 (2010)
- 2009 **Role of neuropeptides, hormones, and growth factors in regulating thymopoiesis in middle to old age.**
41 [20948643] *F1000 Biol Rep* 1(-):42 (2009)
- 2010 **The mammalian target of rapamycin: linking T cell differentiation, function, and metabolism.**
42 [20870173] *Immunity* 33(3):301-11 (2010)

CD31 PECAM1	NFAT	T bet	T cell (Th17)
FoxP3	Regulatory iTreg cell	T cell (CD4pos)	T cell (Th2)
GATA3	Regulatory T cell	T cell (CTL)	Vaccine (Adjuvants)
Immunological memory	RORgammat	T cell (Th1)	

2009 Heterogeneity of human effector CD4+ T cells.

1 [20053303] Arthritis Res Ther 11(6):257 (2009)

2010 NFAT pulls the strings during CD4+ T helper cell effector functions.

2 [20103781] Blood 115(15):2989-97 (2010)

2008 CD4 T cells: fates, functions, and faults.

3 [18725574] Blood 112(5):1557-69 (2008)

2009 Life after the thymus: CD31+ and CD31- human naive CD4+ T-cell subsets.

4 [18583570] Blood 113(4):769-74 (2009)

2010 Mechanisms underlying lineage commitment and plasticity of helper CD4+ T cells.

5 [20185720] Science 327(5969):1098-102 (2010)

2010 Multi-tasking of helper T cells.

6 [20557575] Immunology 130(2):166-71 (2010)

2010 Memory CD4 T cells: generation, reactivation and re-assignment.

7 [20331469] Immunology 130(1):10-5 (2010)

2010 The potential of CD4 T-cell memory.

8 [20331470] Immunology 130(1):1-9 (2010)

2010 Regulation of CD4 T-cell receptor diversity by vaccine adjuvants.

9 [20331477] Immunology 130(1):16-22 (2010)

2010 Generation, persistence and plasticity of CD4 T-cell memories.

10 [20465569] Immunology 130(4):463-70 (2010)

2009 How diverse--CD4 effector T cells and their functions.

11 [19482777] J Mol Cell Biol 1(1):20-36 (2009)

2010 Cytolytic CD4 cells: Direct mediators in infectious disease and malignancy.

12 [20236628] Cell Immunol 262(2):89-95 (2010)

T Cell (CD8pos CD28neg)

12456

T Zelle (CD8pos CD28neg)

T Cell (CD8pos CD28neg)			
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2002 CD8+CD28- T cells: certainties and uncertainties of a prevalent human T-cell subset.
1 [11869357] Immunol Cell Biol 80(1):1-13 (2002)

Autoimmunity	Flow cytometry	Systemic lupus erythematosus	
CD137	Immunological memory	T cell (CD8pos)	
CD57	Regulatory T cell	Tolerance (Immunology)	

2007 Origin of CD8+ effector and memory T cell subsets.

1 [18163951] Cell Mol Immunol 4(6):399-405 (2007)

2005 The Qa-1 dependent CD8+ T cell mediated regulatory pathway.

2 [16212882] Cell Mol Immunol 2(3):161-7 (2005)

2010 Shaping successful and unsuccessful CD8 T cell responses following infection.

3 [20379363] J Biomed Biotechnol 2010(-):159152 (2010)

2010 Memory CD8+ T cell differentiation.

4 [20146720] Ann N Y Acad Sci 1183(-):251-66 (2010)

2010 Plasticity in programming of effector and memory CD8 T-cell formation.

5 [20536564] Immunol Rev 235(1):190-205 (2010)

2009 Dysregulation of CD8+ lymphocyte apoptosis, chronic disease, and immune regulation.

6 [19273309] Front Biosci 14(-):3771-81 (2009)

2008 Use of CD137 to study the full repertoire of CD8+ T cells without the need to know epitope specificities.

7 [18561198] Cytometry A 73(11):1043-9 (2008)

2008 Techniques to improve the direct ex vivo detection of low frequency antigen-specific CD8+ T cells with peptide-major histocompatibility complex class I tetramers.

8 [18836993] Cytometry A 73(11):1001-9 (2008)

2009 Treating autoimmune disease by targeting CD8(+) T suppressor cells.

9 [19522557] Expert Opin Biol Ther 9(8):951-65 (2009)

2008 Induction of immune tolerance by activation of CD8+ T suppressor/regulatory cells in lupus-prone mice.

10 [18817829] Hum Immunol 69(11):790-6 (2008)

2008 Inhibitory CD8+ T cells in autoimmune disease.

11 [18812196] Hum Immunol 69(11):781-9 (2008)

2010 Making memories that last a lifetime: heritable functions of self-renewing memory CD8 T cells.

12 [20732857] Int Immunol 22(10):797-803 (2010)

2010 Early events governing memory CD8+ T-cell differentiation.

13 [20504887] Int Immunol 22(8):619-25 (2010)

Diabetes mellitus T1DM (Type1)	Immunological memory	Perforin	T cell (CTL)
Granzyme	Interleukin27	T cell (CD4pos)	

2006 Cytotoxic T cells.

1 [16417215] J Invest Dermatol 126(1):32-41 (2006)

1999 Perforin-dependent nuclear targeting of granzymes: A central role in the nuclear events of granule-exocytosis-mediated apoptosis?

2 [10361252] Immunol Cell Biol 77(3):206-15 (1999)

1999 Anti-viral strategies of cytotoxic T lymphocytes are manifested through a variety of granule-bound pathways of apoptosis induction.

3 [10101689] Immunol Cell Biol 77(1):76-89 (1999)

2009 Cell death mechanisms induced by cytotoxic lymphocytes.

4 [19254476] Cell Mol Immunol 6(1):15-25 (2009)

2005 Molecular mechanisms of lymphocyte-mediated cytotoxicity.

5 [16274623] Cell Mol Immunol 2(4):259-64 (2005)

2001 Unlocking the secrets of cytotoxic granule proteins.

6 [11435481] J Leukoc Biol 70(1):18-29 (2001)

1995 Functional significance of two cytolytic pathways of cytotoxic T lymphocytes.

7 [7722413] J Leukoc Biol 57(4):548-52 (1995)

2000 Correlates of cytotoxic T-lymphocyte-mediated virus control: implications for immunosuppressive infections and their treatment.

8 [11186307] Philos Trans R Soc Lond B Biol Sci 355(1400):1059-70 (2000)

2008 Mechanisms of granule-dependent killing.

9 [17975553] Cell Death Differ 15(2):251-62 (2008)

2010 Direct microbicidal activity of cytotoxic T-lymphocytes.

10 [20617144] J Biomed Biotechnol 2010(-):249482 (2010)

2010 A pivotal role for interleukin-27 in CD8+ T cell functions and generation of cytotoxic T lymphocytes.

11 [20454646] J Biomed Biotechnol 2010(-):605483 (2010)

2010 The role of perforin and granzymes in diabetes.

12 [19927156] Cell Death Differ 17(4):577-85 (2010)

2010 Once a killer, always a killer: from cytotoxic T cell to memory cell.

13 [20536565] Immunol Rev 235(1):206-18 (2010)

2010 Cytolytic CD4 cells: Direct mediators in infectious disease and malignancy.

14 [20236628] Cell Immunol 262(2):89-95 (2010)

T cell (Development)	TCF1	Wnt beta Catenin TCF	
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2010 TCF1 and beta-catenin regulate T cell development and function.
1 [20082155] Immunol Res 47(1-3):45-55 (2010)

T cell (double negative)		12460	T Zelle (double negative)
Interleukin17	Systemic lupus erythematosus	T cell (double negative)	

2010 **IL-17 in systemic lupus erythematosus.**
 1 [\[20379379\] J Biomed Biotechnol 2010\(-\):943254 \(2010\)](#)

Aids CD274 PD L1 B7H1	PD1 T Cell (Exhaustion)	Tolerance (Immunology)	
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2010 T-cell exhaustion: characteristics, causes and conversion.

1 [20201977] *Immunology* 129(4):474-81 (2010)

2011 Mechanism of T cell exhaustion in a chronic environment.

2 [21524346] *BMB Rep* 44(4):217-31 (2011)

2006 Reinvigorating exhausted HIV-specific T cells via PD-1-PD-1 ligand blockade.

3 [17000870] *J Exp Med* 203(10):2223-7 (2006)

T cell (follicular Th)

12462

T Zelle (follikulaer Th)

T cell (follicular Th)			
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2010 A novel subset of T-helper cells: follicular T-helper cells and their markers.

1 [20207841] Haematologica 95(3):356-8 (2010)

Aids	Interleukin17	Neutrophils	T cell (Th17)
Burns (Traumatology)	Multiple sclerosis	NKT cells	Tannin
CD1	Mycobacterium (BASKET)	Procyanidins	
Immunopharmacology	Natural products	Regulatory T cell	
Inflammation (BASKET)	Neoplasia (Tumor biology and immunology)	T cell (gammadelta)	

2006 Immunosurveillance and immunoregulation by gammadelta T cells.

1 [16417214] J Invest Dermatol 126(1):25-31 (2006)

1991 Gamma/delta T cell receptor.

2 [1664486] Microbiol Immunol 35(7):493-506 (1991)

2008 The plasticity of gamma delta T cells: innate immunity, antigen presentation and new immunotherapy.

3 [18582397] Cell Mol Immunol 5(3):161-70 (2008)

2005 Unraveling the mystery of gammadelta T cell recognizing lipid A.

4 [16368062] Cell Mol Immunol 2(5):359-64 (2005)

2005 Distinct pattern of human Vdelta1 gammadelta T cells recognizing MICA.

5 [16274622] Cell Mol Immunol 2(4):253-8 (2005)

2010 Current progress in $\gamma\delta$ T-cell biology.

6 [21042298] Cell Mol Immunol 7(6):409-13 (2010)

1995 Gamma/delta T lymphocytes in viral infections.

7 [7665983] J Leukoc Biol 58(3):277-83 (1995)

2010 Protection from cancer in kidney transplant patients by gammadelta T cells: role of CMV infection?

8 [20007750] J Am Soc Nephrol 21(1):11-3 (2010)

2009 Gammadelta T-cells: potential regulators of the post-burn inflammatory response.

9 [18951718] Burns 35(3):318-26 (2009)

2008 Do Vgamma2Vdelta2 T cells influence HIV disease progression?

10 [18419458] Clin Infect Dis 46(9):1473-5 (2008)

2011 IL-17-expressing cells as a potential therapeutic target for treatment of immunological disorders.

11 [21441609] Pharmacol Rep 63(1):30-44 (2011)

2009 Thymic maturation determines gammadelta T cell function, but not their antigen specificities.

12 [19321327] Curr Opin Immunol 21(2):140-5 (2009)

2008 gammadelta T cells: an important source of IL-17.

13 [18439808] Curr Opin Immunol 20(3):353-7 (2008)

2010 Repertoire development and the control of cytotoxic/effector function in human gammadelta T cells.

14 [20396597] Clin Dev Immunol 2010(-):732893 (2010)

2010 Towards a molecular understanding of the differential signals regulating alphabeta/gammadelta T lineage choice.

15 [20471282] Semin Immunol 22(4):237-46 (2010)

2010 Beyond alphabeta/gammadelta lineage commitment: TCR signal strength regulates gammadelta T cell maturation and effector fate.

16 [20452783] Semin Immunol 22(4):247-51 (2010)

2010 Disorderly conduct in gammadelta versus alphabeta T cell lineage commitment.

17 [20451409] Semin Immunol 22(4):222-7 (2010)

2010 gammadelta T cell subsets: a link between TCR and function?

18 [20451408] Semin Immunol 22(4):193-8 (2010)

2010 gammadeltaTCR ligands and lineage commitment.

19 [20447836] Semin Immunol 22(4):214-21 (2010)

2010 Ligand recognition during thymic development and gammadelta T cell function specification.

20 [20430644] Semin Immunol 22(4):207-13 (2010)

2008 Roles of heat shock proteins and gamma delta T cells in inflammation.

21 [18566334] Am J Respir Cell Mol Biol 39(5):509-13 (2008)

2011 Cross-talk between cd1d-restricted nkt cells and $\gamma\delta$ cells in t regulatory cell response.

22 [21255407] Virol J 8(-):32 (2011)

2010 Analysis of gamma delta T cell functions in the mouse.

23 [20368285] J Immunol 184(8):4055-61 (2010)

2005 Immune regulation of gammadelta T cell responses in mycobacterial infections.

24 [16087145] Clin Immunol 116(3):202-7 (2005)

2008 Response of gammadelta T Cells to plant-derived tannins.

25 [19166386] Crit Rev Immunol 28(5):377-402 (2008)

2009 The contribution of gammadelta T cells to the pathogenesis of EAE and MS.

26 [19199938] Curr Mol Med 9(1):15-22 (2009)

T cell (Naive)		12464	T Zelle (Naiv)
Nfatc2	T cell (Naive)	Tob2	
SMAD3	Tob1		

2008 Negative regulators in homeostasis of naïve peripheral T cells.

1 [18415030] Immunol Res 41(2):137-53 (2008)

Abl	Lipid rafts and membrane microdomains	Systemic lupus erythematosus	
ABL1		T cell (BASKET)	
ABL2	Mitochondria (Hyperpolarization)	T Cell (Signal transduction)	
	Protein kinase C theta		

2008 Intracellular signals of T cell costimulation.

1 [18761811] Cell Mol Immunol 5(4):239-47 (2008)

2006 Selective function of PKC-theta in T cells.

2 [16978534] Cell Mol Immunol 3(4):263-70 (2006)

2004 Positive and negative adaptors in T-cell signalling.

3 [15056371] Immunology 111(4):368-74 (2004)

2003 Positive and negative regulation of T-cell activation through kinases and phosphatases.

4 [12485116] Biochem J 371(Pt 1):15-27 (2003)

2009 Calmodulin-dependent phosphatase, kinases, and transcriptional corepressors involved in T-cell activation.

5 [19290928] Immunol Rev 228(1):184-98 (2009)

2009 Abl tyrosine kinases in T-cell signaling.

6 [19290927] Immunol Rev 228(1):170-83 (2009)

2009 Organization of proximal signal initiation at the TCR:CD3 complex.

7 [19909352] Immunol Rev 232(1):7-21 (2009)

2007 Nitric oxide, mitochondrial hyperpolarization, and T cell activation.

8 [17462531] Free Radic Biol Med 42(11):1625-31 (2007)

2010 CRACKing the code without Rosetta: molecular regulation of calcium-stimulated gene transcription after T cell activation.

9 [20962264] J Immunol 185(9):4969-71 (2010)

2009 Plasma membrane rafts engaged in T cell signalling: new developments in an old concept.

10 [19732448] Cell Commun Signal 7(-):21 (2009)

T cell (Suppressor)		12466	T Zelle (Suppressor)
HLA E	T cell (Suppressor)		

2004 **Qa-1 restriction of CD8+ suppressor T cells.**
 1 [\[15520850\] J Clin Invest 114\(9\):1218-21 \(2004\)](#)

Cell differentiation	Interleukin4	STAT6	TGF beta
GATA binding protein 3	Receptor (Histamine)	T bet	Tolerance (Immunology)
GATA3	Regulatory iTreg cell	T cell (CD4pos)	
Histamine	Regulatory T cell	T cell (Th1)	
Ifng locus	RORgammat	T cell (Th17)	
Interleukin10	STAT4	T cell (Th2)	

2002 Further checkpoints in Th1 development.

1 [12121657] Immunity 16(6):755-8 (2002)

2008 CD4 T cells: fates, functions, and faults.

2 [18725574] Blood 112(5):1557-69 (2008)

2006 Recent advances in molecular pharmacology of the histamine systems: immune regulatory roles of histamine produced by leukocytes.

3 [16648666] J Pharmacol Sci 101(1):19-23 (2006)

2009 How are T(H)1 and T(H)2 effector cells made?

4 [19375293] Curr Opin Immunol 21(2):153-60 (2009)

2010 Regulation of the Ifng locus in the context of T-lineage specification and plasticity.

5 [20969595] Immunol Rev 238(1):216-32 (2010)

2009 Epigenetics and T helper 1 differentiation.

6 [19178593] Immunology 126(3):299-305 (2009)

2009 Common themes emerge in the transcriptional control of T helper and developmental cell fate decisions regulated by the T-box, GATA and ROR families.

7 [19302139] Immunology 126(3):306-15 (2009)

2009 Genetic and epigenetic networks controlling T helper 1 cell differentiation.

8 [19476511] Immunology 127(2):155-62 (2009)

Aids	Immunodeficiency (Inherited)	Mucosa associated lymphatic tissue MALT	T cell (gammadelta)
Arthritis (rheumatoid)	Immunopharmacology	Multiple sclerosis	T cell (Th1)
Asthma (BASKET)	Interleukin1	Neoplasia (Tumor biology and immunology)	T cell (Th17)
Bacteria (Commensal)	Interleukin17		T cell (Th2)
C type lectins	Interleukin17A	Neutrophils	T Cell (Th9)
Candida (BASKET)	Interleukin17F	NKT cells	Transplantation
CD161	Interleukin21	Psoriasis	Tuberculosis
COPD	Interleukin22 IL TIF	Regulatory iTreg cell	Vaccine (Adjuvants)
Eye and Orbita (Uveitis)	Interleukin23	Regulatory T cell	Vaccine (BASKET)
Funghi and Yeasts (Infection)	Interleukin25 Interleukin17E	RORgammat	
GATA3	Interleukin26	Segmented filamentous bacteria	
HLA B27	Interleukin9	STAT3	
Immune deviation	Intestines (Immunology)	T bet T cell (CD4pos)	

2010 Transcriptional regulation of T helper 17 cell differentiation.

1 [20499411] Yonsei Med J 51(4):484-91 (2010)

2008 T-helper 17 cells in psoriatic plaques and additional genetic links between IL-23 and psoriasis.

2 [18408745] J Invest Dermatol 128(5):1064-7 (2008)

2009 Manipulation of T(H)17 responses in pulmonary immunity and disease through vaccination.

3 [19617711] Hum Vaccin 5(8):510-9 (2009)

2008 Human Th17 cell clones and natural immune responses.

4 [18427166] Allergol Int 57(2):135-40 (2008)

2008 Th17 and allergy.

5 [18427165] Allergol Int 57(2):121-34 (2008)

2008 Th17 Cells and autoimmune encephalomyelitis (EAE/MS).

6 [18427164] Allergol Int 57(2):115-20 (2008)

2008 Th17 cells and rheumatoid arthritis--from the standpoint of osteoclast differentiation--.

7 [18427163] Allergol Int 57(2):109-14 (2008)

2009 Interleukin-12 family members and type I interferons in Th17-mediated inflammatory disorders.

8 [19383026] Allergy 64(5):702-9 (2009)

2009 Cellular mediators of inflammation: tregs and TH17 cells in gastrointestinal diseases.

9 [20169125] Mediators Inflamm 2009(-):132028 (2009)

2009 Interleukin-23 and Th17 cells in the control of gut inflammation.

10 [19503799] Mediators Inflamm 2009(-):297645 (2009)

2010 Th17 cells and their associated cytokines in liver diseases.

11 [20305686] Cell Mol Immunol 7(4):250-4 (2010)

2010 The cytokine milieu in the interplay of pathogenic Th1/Th17 cells and regulatory T cells in autoimmune disease.

12 [20383174] Cell Mol Immunol 7(3):182-9 (2010)

2010 microRNAs: critical regulators in Th17 cells and players in diseases.

13 [20364159] Cell Mol Immunol 7(3):175-81 (2010)

2008 Regulation of FoxP3 regulatory T cells and Th17 cells by retinoids.

14 [18389070] Clin Dev Immunol 2008(-):416910 (2008)

2008 The biological functions of T helper 17 cell effector cytokines in inflammation.

15 [18400188] Immunity 28(4):454-67 (2008)

2008 Th17 cell differentiation: the long and winding road.

16 [18400187] Immunity 28(4):445-53 (2008)

2006 Th17: an effector CD4 T cell lineage with regulatory T cell ties.

17 [16782025] Immunity 24(6):677-88 (2006)

2007 The role of T helper 17 (Th17) and regulatory T cells (Treg) in human organ transplantation and autoimmune disease.

18 [17328715] Clin Exp Immunol 148(1):32-46 (2007)

1990 The neutrophil, a professional killer of bacteria, may be controlled by T cells.

19 [2178823] Clin Exp Immunol 79(2):141-3 (1990)

2009 More stories on Th17 cells.

20 [19255592] Cell Res 19(4):399-411 (2009)

2009 Th17 responses and host defense against microorganisms: an overview.

21 [20044948] BMB Rep 42(12):776-87 (2009)

2008 Immune regulation of bone loss by Th17 cells.
 22 [18983698] Arthritis Res Ther 10(5):225 (2008)
2008 Human Th17 cells.
 23 [18466633] Arthritis Res Ther 10(2):206 (2008)
2008 A new inflammatory cytokine on the block: re-thinking periodontal disease and the Th1/Th2 paradigm in the context of Th17 cells and IL-17.
 24 [18719207] J Dent Res 87(9):817-28 (2008)
2009 Autoimmune diseases in the Th17 era.
 25 [19448894] Braz J Med Biol Res 42(6):476-86 (2009)
2007 Interplay between pathogenic Th17 and regulatory T cells.
 26 [1934104] Ann Rheum Dis 66 Suppl 3(-):iii87-90 (2007)
2011 Diversity and flexibility of Th17 effector functions.
 27 [21542876] Arthritis Res Ther 13(2):106 (2011)
2003 Interleukin-17 in rheumatoid arthritis: if T cells were to contribute to inflammation and destruction through synergy.
 28 [12632409] Arthritis Rheum 48(3):594-601 (2003)
2010 Excessive interleukin-1 signaling determines the development of Th1 and Th17 responses in chronic inflammation.
 29 [20112403] Arthritis Rheum 62(2):320-2 (2010)
2009 Recently discovered T cell subsets cannot keep their commitments.
 30 [19648467] J Am Soc Nephrol 20(8):1677-80 (2009)
2008 Th17 cells: a third subset of CD4+ T effector cells involved in organ-specific autoimmunity.
 31 [18045823] Nephrol Dial Transplant 23(3):816-9 (2008)
2009 Do studies in humans better depict Th17 cells?
 32 [19494349] Blood 114(11):2213-9 (2009)
2008 CD4 T cells: fates, functions, and faults.
 33 [18725574] Blood 112(5):1557-69 (2008)
2010 Th1 and Th17 cells: adversaries and collaborators.
 34 [20146717] Ann N Y Acad Sci 1183(-):211-21 (2010)
2011 Fungal infections: blame the TH-17 cells.
 35 [21991718] Isr Med Assoc J 13(9):561-3 (2011)
2011 IL-17-expressing cells as a potential therapeutic target for treatment of immunological disorders.
 36 [21441609] Pharmacol Rep 63(1):30-44 (2011)
2007 Th17: the third member of the effector T cell trilogy.
 37 [17766098] Curr Opin Immunol 19(6):652-7 (2007)
2009 Transcriptional regulatory networks in Th17 cell differentiation.
 38 [19328669] Curr Opin Immunol 21(2):146-52 (2009)
2010 A "Toll" for Th17 cell expansion.
 39 [20591874] J Leukoc Biol 88(1):5-7 (2010)
2010 From HLA-B27 to spondyloarthritis: a journey through the ER.
 40 [20193000] Immunol Rev 233(1):181-202 (2010)
2008 Regulation of interleukin-12/interleukin-23 production and the T-helper 17 response in humans.
 41 [19161420] Immunol Rev 226(-):112-31 (2008)
2010 The therapeutic potential of the filarial nematode-derived immunodulator, ES-62 in inflammatory disease.
 42 [19968663] Clin Exp Immunol 159(3):256-67 (2010)
2010 Translational mini-review series on Th17 cells: development of mouse and human T helper 17 cells.
 43 [19912248] Clin Exp Immunol 159(2):148-58 (2010)
2010 Translational mini-review series on Th17 cells: CD4 T helper cells: functional plasticity and differential sensitivity to regulatory T cell-mediated regulation.
 44 [19912249] Clin Exp Immunol 159(2):137-47 (2010)
2010 Translational mini-review series on Th17 cells: are T helper 17 cells really pathogenic in autoimmunity?
 45 [19912250] Clin Exp Immunol 159(2):131-6 (2010)
2010 Translational mini-review series on Th17 cells: induction of interleukin-17 production by regulatory T cells.
 46 [19912251] Clin Exp Immunol 159(2):120-30 (2010)
2010 Translational mini-review series on Th17 cells: function and regulation of human T helper 17 cells in health and disease.
 47 [19912252] Clin Exp Immunol 159(2):109-19 (2010)
2010 The role of T helper type 17 cells in inflammatory arthritis.
 48 [19758374] Clin Exp Immunol 159(3):225-37 (2010)
2011 Role of IL-17 and Th17 cells in liver diseases.
 49 [21197451] Clin Dev Immunol 2011(-):345803 (2011)
2007 Th17 cells: effector T cells with inflammatory properties.
 50 [18035554] Semin Immunol 19(6):362-71 (2007)
2007 Transcriptional regulation of Th17 cell differentiation.
 51 [18053739] Semin Immunol 19(6):409-17 (2007)
2007 Th17 cells and mucosal host defense.
 52 [18054248] Semin Immunol 19(6):377-82 (2007)
2007 Signal transduction pathways and transcriptional regulation in the control of Th17 differentiation.
 53 [18166487] Semin Immunol 19(6):400-8 (2007)
2007 Negative regulation of Th17 responses.
 54 [18221887] Semin Immunol 19(6):394-9 (2007)
2009 Barrier immunity and IL-17.
 55 [19386512] Semin Immunol 21(3):164-71 (2009)

2010 Th17 cells interplay with Foxp3+ Tregs in regulation of inflammation and autoimmunity.
 56 [20515737] *Front Biosci* 15(-):986-1006 (2010)
2010 Interleukin-26: an IL-10-related cytokine produced by Th17 cells.
 57 [20947410] *Cytokine Growth Factor Rev* 21(5):393-401 (2010)
2010 The role of Th17 cytokines in primary mucosal immunity.
 58 [21095154] *Cytokine Growth Factor Rev* 21(6):443-8 (2010)
2010 IL-17 family member cytokines: regulation and function in innate immunity.
 59 [21074482] *Cytokine Growth Factor Rev* 21(6):413-23 (2010)
2010 IL-17 and Th17 cells in tuberculosis.
 60 [21075039] *Cytokine Growth Factor Rev* 21(6):455-62 (2010)
2010 C-type lectins, fungi and Th17 responses.
 61 [21075040] *Cytokine Growth Factor Rev* 21(6):405-12 (2010)
2010 Signal transduction pathways and transcriptional regulation in Th17 cell differentiation.
 62 [21084214] *Cytokine Growth Factor Rev* 21(6):425-34 (2010)
2010 Interleukin-9 as a T helper type 17 cytokine.
 63 [20673237] *Immunology* 131(2):169-73 (2010)
2009 Common themes emerge in the transcriptional control of T helper and developmental cell fate decisions regulated by the T-box, GATA and ROR families.
 64 [19302139] *Immunology* 126(3):306-15 (2009)
2010 Plasticity of T-cell phenotype and function: the T helper type 17 example.
 65 [19922424] *Immunology* 129(2):147-53 (2010)
2009 The IL-23/Th17 axis in the immunopathogenesis of psoriasis.
 66 [19322214] *J Invest Dermatol* 129(6):1339-50 (2009)
2010 Th17 cell dynamics in HIV infection.
 67 [20543590] *Curr Opin HIV AIDS* 5(2):135-40 (2010)
2010 Th17 cells in pathogenic simian immunodeficiency virus infection of macaques.
 68 [20543591] *Curr Opin HIV AIDS* 5(2):141-5 (2010)
2010 Th17 cells and HIV infection.
 69 [20543592] *Curr Opin HIV AIDS* 5(2):146-50 (2010)
2010 Th17 and regulatory T cells: implications for AIDS pathogenesis.
 70 [20543593] *Curr Opin HIV AIDS* 5(2):151-7 (2010)
2010 Th17 cytokines in mucosal immunity and inflammation.
 71 [20543588] *Curr Opin HIV AIDS* 5(2):120-7 (2010)
2007 Pathophysiology of psoriasis: recent advances on IL-23 and Th17 cytokines.
 72 [18177599] *Curr Rheumatol Rep* 9(6):461-7 (2007)
2010 The impact of Th17 cells on transplant rejection and the induction of tolerance.
 73 [20616728] *Curr Opin Organ Transplant* 15(4):456-61 (2010)
2009 Retinoid signals and Th17-mediated pathology.
 74 [19252374] *Nihon Rinsho Meneki Gakkai Kaishi* 32(1):20-8 (2009)
2010 Functional alterations of proinflammatory monocytes by T regulatory cells: implications for the prevention and reversal of type 1 diabetes.
 75 [20703434] *Rev Diabet Stud* 7(1):6-14 (2010)
2010 Th17 cells and transplant acceptance.
 76 [20838278] *Transplantation* 90(9):945-8 (2010)
2010 Effector and regulatory T-cell subsets in autoimmunity and tissue inflammation.
 77 [20696013] *Scand J Immunol* 72(3):173-84 (2010)
2010 Up for Mischief? IL-17/Th17 in the tumour microenvironment.
 78 [20729908] *Oncogene* 29(42):5653-62 (2010)
2009 Regulation of TH17 cells in the mucosal surfaces.
 79 [19362732] *J Allergy Clin Immunol* 123(5):997-1003 (2009)
2009 TH17 cells and regulatory T cells in primary immunodeficiency diseases.
 80 [19410687] *J Allergy Clin Immunol* 123(5):977-83; quiz 984-5 (2009)
2010 Th17 cytokines and vaccine-induced immunity.
 81 [19211207] *Semin Immunopathol* 32(1):79-90 (2010)
2010 Th17 cytokines and arthritis.
 82 [20127485] *Semin Immunopathol* 32(1):43-53 (2010)
2010 Th17 cells in autoimmune demyelinating disease.
 83 [20195867] *Semin Immunopathol* 32(1):71-7 (2010)
2007 Quo vadis Th1 and Th2 cells in autoimmunity and infectious diseases: Th17 cells, the new kid on the block.
 84 [20477666] *Expert Rev Clin Immunol* 3(3):251-4 (2007)
2008 IL-12 and IL-23 in health and disease.
 85 [20476918] *Expert Rev Clin Immunol* 4(3):301-3 (2008)
2009 Breaking old paradigms: Th17 cells in autoimmune arthritis.
 86 [19403336] *Clin Immunol* 132(3):295-304 (2009)
2008 Autoimmunity in the immune privileged eye: pathogenic and regulatory T cells.
 87 [18629448] *Immunol Res* 42(1-3):41-50 (2008)
2010 Induction of Th17 cellular immunity with a novel nanoemulsion adjuvant.
 88 [20370629] *Crit Rev Immunol* 30(2):189-99 (2010)
2010 Host responses to *Candida albicans*: Th17 cells and mucosal candidiasis.
 89 [20381638] *Microbes Infect* 12(7):518-27 (2010)
2009 Differentiation and function of pro-inflammatory Th17 cells.
 90 [19371793] *Microbes Infect* 11(5):584-8 (2009)
2009 Balance of Th1 and Th17 effector and peripheral regulatory T cells.
 91 [19376259] *Microbes Infect* 11(5):589-93 (2009)
2009 Signal transduction and Th17 cell differentiation.
 92 [19379825] *Microbes Infect* 11(5):599-611 (2009)
2009 FOXP3 and the regulation of Treg/Th17 differentiation.
 93 [19371792] *Microbes Infect* 11(5):594-8 (2009)

2010 Th17 cytokines and the gut mucosal barrier.
 94 [20127275] *J Clin Immunol* 30(2):196-203 (2010)
2010 Precarious balance: Th17 cells in host defense.
 95 [19901061] *Infect Immun* 78(1):32-8 (2010)
2009 Cytokine mediators of Th17 function.
 96 [19283717] *Eur J Immunol* 39(3):658-61 (2009)
2008 The phenotype of human Th17 cells and their precursors, the cytokines that mediate their differentiation and the role of Th17 cells in inflammation.
 97 [18820263] *Int Immunol* 20(11):1361-8 (2008)
2009 STAT3 in CD4+ T helper cell differentiation and inflammatory diseases.
 98 [19648026] *Cytokine* 47(3):149-56 (2009)
2010 Role of th17 cell and autoimmunity in chronic obstructive pulmonary disease.
 99 [20844734] *Immune Netw* 10(4):109-14 (2010)
2010 Role of IL-23 and Th17 Cells in Airway Inflammation in Asthma.
 100 [20228930] *Immune Netw* 10(1):1-4 (2010)
2010 Segmented filamentous bacteria take the stage.
 101 [20147894] *Mucosal Immunol* 3(3):209-12 (2010)
2009 Th17 cells at the crossroads of innate and adaptive immunity against infectious diseases at the mucosa.
 102 [19587639] *Mucosal Immunol* 2(5):403-11 (2009)

Arthritis (rheumatoid)	Fibrosis	Psoriasis	T cell (Th1)
Asthma (BASKET)	FISP	Receptor (Prostanoid D)	T cell (Th17)
Atopic dermatitis	GATA3	Regulatory iTreg cell	T cell (Th2)
Basophils	IDO Indoleamine oxygenase	Regulatory T cell	TGF beta
c Jun	Interleukin24 MDA7	Remodeling	TSLP Thymic stromal lymphopoietin
CRTH2	Interleukin25	RORgammat	
Dendritic cell (Immunology)	Interleukin17E	STAT6	
Eosinophils	Interleukin33	T bet	
Epithelium (Immunology)	Interleukin4	T cell (CD4pos)	
	Prostaglandin D2		

- GATA-3 promotes Th2 responses through three different mechanisms: induction of Th2 cytokine production, selective growth of Th2 cells and inhibition of Th1 cell-specific factors.**
1 [16467870] Cell Res 16(1):3-10 (2006)
- 2010 Control of Th2-mediated inflammation by regulatory T cells.**
2 [20566752] Am J Pathol 177(2):525-31 (2010)
- 2006 Transgenic modeling of transforming growth factor-beta(1): role of apoptosis in fibrosis and alveolar remodeling.**
3 [16799085] Proc Am Thorac Soc 3(5):418-23 (2006)
- 2008 CD4 T cells: fates, functions, and faults.**
4 [18725574] Blood 112(5):1557-69 (2008)
- 2010 Thymic stromal lymphopoietin.**
5 [20146705] Ann N Y Acad Sci 1183(-):13-24 (2010)
- 2009 How are T(H)1 and T(H)2 effector cells made?**
6 [19375293] Curr Opin Immunol 21(2):153-60 (2009)
- 2010 From the cradle to the grave: activities of GATA-3 throughout T-cell development and differentiation.**
7 [20969588] Immunol Rev 238(1):110-25 (2010)
- 2008 Welcome to the neighborhood: epithelial cell-derived cytokines license innate and adaptive immune responses at mucosal sites.**
8 [19161424] Immunol Rev 226(-):172-90 (2008)
- 2009 GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation.**
9 [19151747] Nat Rev Immunol 9(2):125-35 (2009)
- 2009 Common themes emerge in the transcriptional control of T helper and developmental cell fate decisions regulated by the T-box, GATA and ROR families.**
10 [19302139] Immunology 126(3):306-15 (2009)
- 2011 Stat6 and c-Jun mediate Th2 cell-specific IL-24 gene expression.**
11 [21357535] J Immunol 186(7):4098-109 (2011)
- 2001 Cutting edge: FISP (IL-4-induced secreted protein), a novel cytokine-like molecule secreted by Th2 cells.**
12 [11342597] J Immunol 166(10):5859-63 (2001)
- 2010 Narrative review: the role of Th2 immune pathway modulation in the treatment of severe asthma and its phenotypes.**
13 [20157138] Ann Intern Med 152(4):232-7 (2010)
- 2010 CRTH2 and D-type prostanoid receptor antagonists as novel therapeutic agents for inflammatory diseases.**
14 [20559016] Pharmacology 85(6):372-82 (2010)
- 2006 Thymic stromal lymphopoietin: master switch for allergic inflammation.**
15 [16432252] J Exp Med 203(2):269-73 (2006)
- 2010 Sensing the outside world: TSLP regulates barrier immunity.**
16 [20300138] Nat Immunol 11(4):289-93 (2010)
- 2009 Signals for the execution of Th2 effector function.**
17 [19237299] Cytokine 46(1):1-6 (2009)
- 2008 IDO: a double-edged sword for T(H)1/T(H)2 regulation.**
18 [18824197] Immunol Lett 121(1):1-6 (2008)
- 2010 Basophils induce Th2 immunity: is this final answer?**
19 [21178477] Virulence 1(5):399-401 (2010)

T Cell (Th9)		12470	T Zelle (Th9)
Interleukin9	T cell (Th17)		
Regulatory T cell	T Cell (Th9)		

2010 Interleukin-9 as a T helper type 17 cytokine.

1 [\[20673237\] Immunology 131\(2\):169-73 \(2010\)](#)

2010 Effector and regulatory T-cell subsets in autoimmunity and tissue inflammation.

2 [\[20696013\] Scand J Immunol 72\(3\):173-84 \(2010\)](#)

Arthritis (juvenile idiopathic)	T Cell reactivity against HSP60		
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2009 Heat shock protein 60 reactive T cells in juvenile idiopathic arthritis: what is new?
1 [19519922] Arthritis Res Ther 11(3):231 (2009)

Autoimmunity	IkappaB kinase	NFKB	ZAP70
B Cell Receptor	Immunological memory	T cell (BASKET)	
Biomembranes (BASKET)	ITAM protein motif	T cell receptor	
Flow cytometry	NEMO	Thymus (BASKET)	

2008 The fidelity, occasional promiscuity, and versatility of T cell receptor recognition.

1 [18342005] Immunity 28(3):304-14 (2008)

2006 Deconstructing the form and function of the TCR/CD3 complex.

2 [16473826] Immunity 24(2):133-9 (2006)

2001 Comparative genomics of the human and mouse T cell receptor loci.

3 [11567625] Immunity 15(3):337-49 (2001)

1997 Making the T cell receptor go the distance: a topological view of T cell activation.

4 [9133415] Immunity 6(4):361-9 (1997)

1996 Complex complexes: signaling at the TCR.

5 [8808675] Immunity 5(3):197-205 (1996)

1995 T cell receptor antagonists and partial agonists.

6 [7600296] Immunity 2(1):1-11 (1995)

1994 T cell antigen receptor signaling: three families of tyrosine kinases and a phosphatase.

7 [7882167] Immunity 1(5):351-6 (1994)

2009 T-cell receptor binding affinities and kinetics: impact on T-cell activity and specificity.

8 [19125887] Immunology 126(2):165-76 (2009)

2004 Regulation of T-cell receptor signalling by membrane microdomains.

9 [15554919] Immunology 113(4):413-26 (2004)

2003 Innate self recognition by an invariant, rearranged T-cell receptor and its immune consequences.

10 [12757612] Immunology 109(2):171-84 (2003)

2001 Imaging T-cell antigen recognition and comparing immunological and neuronal synapses.

11 [11529931] Immunology 103(4):417-25 (2001)

2001 Molecular motors involved in T cell receptor clusterings.

12 [11261777] J Leukoc Biol 69(3):317-30 (2001)

2002 Some hints concerning the shape of T-cell receptor structures.

13 [11896927] Scand J Immunol 55(2):111-8 (2002)

2003 T-cell-mediated autoimmunity: novel techniques to characterize autoreactive T-cell receptors.

14 [14507631] Am J Pathol 163(4):1215-26 (2003)

2005 How the T cell receptor sees antigen--a structural view.

15 [16096054] Cell 122(3):333-6 (2005)

2005 Immunology: how do T cells recognize antigen?

16 [15916940] Curr Biol 15(10):R382-5 (2005)

2006 Deciphering the pathway from the TCR to NF-kappaB.

17 [16439988] Cell Death Differ 13(5):826-33 (2006)

2010 ITAM-mediated signaling by the T-cell antigen receptor.

18 [20516133] Cold Spring Harb Perspect Biol 2(6):a002485 (2010)

2010 ZAP-70: an essential kinase in T-cell signaling.

19 [20452964] Cold Spring Harb Perspect Biol 2(5):a002279 (2010)

2002 Intercellular transfer of antigen-presenting cell determinants onto T cells: molecular mechanisms and biological significance.

20 [11919150] FASEB J 16(6):477-86 (2002)

2010 T-cell antigen receptor (TCR) transmembrane peptides: A new paradigm for the treatment of autoimmune diseases.

21 [20431344] Cell Adh Migr 4(2):273-83 (2010)

2009 Mechanics of T cell receptor gene rearrangement.

22 [19362456] Curr Opin Immunol 21(2):133-9 (2009)

2009 Structural alterations in peptide-MHC recognition by self-reactive T cell receptors.

23 [19699075] Curr Opin Immunol 21(6):590-5 (2009)

2010 T-cell receptor revision: friend or foe?

24 [20201984] Immunology 129(4):467-73 (2010)

2008 Recombinant T cell receptor ligands: immunomodulatory, neuroprotective and neuroregenerative effects suggest application as therapy for multiple sclerosis.

25 [19145988] Rev Neurosci 19(4-5):327-39 (2008)

2006 TCR trans-rearrangements: biological significance in antigen recognition vs the role as lymphoma biomarker.

26 [16670273] J Immunol 176(10):5707-12 (2006)

2010 MHC-peptide tetramers for the analysis of antigen-specific T cells.

27 [20624049] Expert Rev Vaccines 9(7):765-74 (2010)

2008 An in depth analysis of the concept of "polyspecificity" assumed to characterize TCR/BCR recognition.

28 [18213526] Immunol Res 40(2):128-47 (2008)

2008 Thymic selection stifles TCR reactivity with the main chain structure of MHC and forces interactions with the peptide side chains.

29 [17920446] Mol Immunol 45(3):599-606 (2008)

2008 The Triptide Model for restrictive recognition of antigen by T-cells II. Implications for

- 30 **ontogeny, evolution and physiology.**
[17889366] Mol Immunol 45(3):632-52 (2008)
- 2006 Lipid rafts in T cell receptor signalling .**
- 31 [16611580] Mol Membr Biol 23(1):49-57 (2006)

T suppressor factor	12473	T Suppressor Factor
T suppressor factor		

1980
1
Antigen-specific T-cell factors.
[6161877] Immunology 41(4):759-87 (1980)

Amphiphysin	Heart (Anatomy)	Myotubularin	T tubulus
Calcium (Intracellular)	Junctophilin	Receptor (Dihydropyridine)	
Calsequestrin	Mitsugumin	Receptor (Ryanodine)	
Dysferlin	Muscle (Physiology)	Sarcoplasmic reticulum	

2003 T-tubule function in mammalian cardiac myocytes.
1 [12805236] Circ Res 92(11):1182-92 (2003)

2007 Resurgence of cardiac t-tubule research.
2 [17557937] Physiology (Bethesda) 22(-):167-73 (2007)

2010 There goes the neighborhood: pathological alterations in T-tubule morphology and consequences for cardiomyocyte Ca2+ handling.
3 [20396394] J Biomed Biotechnol 2010(-):503906 (2010)

2008 t-Tubules and sarcoplasmic reticulum function in cardiac ventricular myocytes.
4 [18006490] Cardiovasc Res 77(2):237-44 (2008)

2009 Minor sarcoplasmic reticulum membrane components that modulate excitation-contraction coupling in striated muscles.
5 [19403606] J Physiol 587(Pt 13):3071-9 (2009)

2011 T-tubule biogenesis and triad formation in skeletal muscle and implication in human diseases.
6 [21797990] Skelet Muscle 1(1):26 (2011)

Heart (Arrhythmia)	Heart failure (BASKET)	T wave alternans	
Heart (Electrocardiography)	Sudden death (cardiogenic)		

2009 Basis for sudden cardiac death prediction by T-wave alternans from an integrative physiology perspective.

1 [19251221] Heart Rhythm 6(3):416-22 (2009)

2007 Is T-wave alternans as good or better than programmed ventricular stimulation?

2 [17599677] Heart Rhythm 4(7):913-5 (2007)

2009 Explaining the clinical manifestations of T wave alternans in patients at risk for sudden cardiac death.

3 [19168395] Heart Rhythm 6(3 Suppl):S22-8 (2009)

2009 Risk stratification for sudden cardiac death: is there a clinical role for T wave alternans?

4 [19631909] Heart Rhythm 6(8 Suppl):S56-61 (2009)

2009 Can we alternate between T-wave alternans testing methods?

5 [19251208] Heart Rhythm 6(3):338-40 (2009)

2007 Utility of T-wave alternans in congestive heart failure.

6 [17584689] Anadolu Kardiyol Derg 7 Suppl 1(-):82-4 (2007)

2008 T-wave alternans testing for ventricular arrhythmias.

7 [18774011] Prog Cardiovasc Dis 51(2):118-27 (2008)

2007 Eight (or more) kinds of alternans.

8 [17993333] J Electrocardiol 40(6 Suppl):S70-4 (2007)

2010 T-wave alternans and arrhythmogenesis in cardiac diseases.

9 [21286254] Front Physiol 1(-):154 (2010)

T wave

12476

T Welle

Repolarization	T wave		
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2001 Transmural dispersion of repolarization and the T wave.
1 [11376617] Cardioasc Res 50(3):426-31 (2001)

Bezafibrate	Etomoxir	LXR	
Carnitine palmitoyltransferase deficiency	Fatty acids (saturated) Lipotoxicity	Palmitate T0901317 ttLXR	
ERS UFR (Toxikologie)			

2011 **Stimulation of lipogenesis as well as fatty acid oxidation protects against palmitate-**
1 **induced INS-1 beta-cell death.**
[21209018] Endocrinology 152(3):816-27 (2011)

Abatacept ttCTLA4Conjugate	Cetuximab ttEGFR	MuromonabCD3 ttCD3	Riloncept ttIL1R
Abciximab ttGPIIAIIIB	Daclizumab ttIL2R	Naptumomab estafenatox tt5T4	Rituximab ttCD20
Adalimumab ttTNFalpha	Dalotuzumab ttIGF1R	Natalizumab ttIntegralpha4	Solanezumab ttAmyloidBeta
AIN457	Denosumab ttRANKL	Necitumumab ttEGFR	T1H ttCD6
Alemtuzumab ttCD52	Eculizumab ttFactorH	Nimotuzumab ttEGFR	Teplizumab ttCD3
AMG386	Efalizumab ttLFA1	Obinutuzumab ttCD20	Tocilizumab ttIL6
ttAngiopoietin1	Epratuzumab ttCD22	Ofatumumab ttCD20	Tositumomab ttCD20
ttAngiopoietin2	Etanercept ttTNFalpha	Omalizumab ttCD20	Trastuzumab emtansine ttHER2
Antibodies (therapeutic use)	FactorIXFc ttFactorIX	Otelixizumab ttCD3	Trastuzumab ttHER2
Atacicept ttBlys	FactorVIIIFc ttFactorVIII	Pagibaximab ttLipoteichoicAcidStaphylococcus	Tremelimumab ttCLTA4
ttAPRIL	Farletuzumab ttFolateRalpha	Palivizumab ttRSVirusFprotein	Ustekinumab ttIL12 ttIL23
Bapineuzumab ttAmyloidBeta	Gemtuzumab ozogamicin ttCD33	Panitumomab ttEGFR	Vedolizumab ttIntegrina4b7
Basiliximab ttIL2R	Girentuximab ttCarbomicAnhydraseIX	Pertuzumab ttHER2	Zalutumumab ttEGFR
Belatacept ttCD80 ttCD86	Golimumab ttTNFalpha	Ramucirumab ttVEGFR2	Zanulimumab ttCD4
Belimumab ttBLYS	Ibritumomab tiuxentan yttrium ttCD20	Ranibizumab ttVEGF	
Bevacizumab ttVEGF	Infliximab ttTNFalpha	Raxibacumab ttAnthrax	
Brentuximab vedotin ttCD30	Ipilimumab ttCTLA4	REGN88 ttIL6R	
Briakinumab ttIL12 ttIL23	Motavizumab ttRSVirus	Reslizumab ttIL5	
Canakinumab ttIL1beta			
Catumaxomab ttEpCAM ttCD3 linkerAb			
Certolizumab ttTNFalpha			

2011 Antibody-based therapeutics to watch in 2011.

1 [21051951] Mabs 3(1):76-99 (2011)

TAAR1

12479

TAAR1

DEHAL	TAAR1	Thyronamines	
MCT8	THOX2	Thyroxine	

2011 Molecules important for thyroid hormone synthesis and action - known facts and future perspectives.

¹ [21835056] Thyroid Res 4 Suppl 1(-):S9 (2011)

TAC3	12480	TAC3	
Androgens (Hypogonadotropic hypogonadism) GPR54 KISS1R	Infertility Kallmann s syndrome	TAC3 TACR3	

2010 **Non-syndromic congenital hypogonadotropic hypogonadism: clinical presentation and genotype-phenotype relationships.**
1 [20207726] Eur J Endocrinol 162(5):835-51 (2010)

Taccalonolides		12481	Taccalonolides
Antineoplastic agents (Spindle poisons)	Combretastatin	Taccalonolides	

2010 Taccalonolides: Novel microtubule stabilizers with clinical potential.

1 [19880245] Cancer Lett 291(1):14-9 (2010)

Tachykinin			
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2002

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2000

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The tachykinin peptide family.
[12037144] Pharmacol Rev 54(2):285-322 (2002)

Role of tachykinins in asthma.
[10782516] Allergy 55(4):321-37 (2000)

TACI		12483	TACI
BAFF CD19	ICOS Immunodeficiency (Common variable immunodeficiency)	TACI	

2008 **Common variable immunodeficiency.**
1 [\[18311038\] Nihon Rinsho Meneki Gakkai Kaishi 31\(1\):9-16 \(2008\)](#)

TACR3		12484	TACR3
Androgens (Hypogonadotropic hypogonadism)	Infertility Kallmann s syndrome	TAC3 TACR3	
GPR54 KISS1R			

2010 **Non-syndromic congenital hypogonadotropic hypogonadism: clinical presentation and genotype-phenotype relationships.**
1 [20207726] Eur J Endocrinol 162(5):835-51 (2010)

Calbindin D28k	Glucocorticoids	Rapamycin	TRPM6
Calcium (Hypercalciuria)	Magnesium (Hypomagnesemia)	Receptor (Vitamin D)	TRPV5
Calcium (Physiology renal)	Magnesium (Physiology Kidney)	Systemic lupus erythematosus	Vitamin D3 (Calcitriol)
Ciclosporin ttMPT	Posterior reversible encephalopathy syndrome	Tacrolimus FK506	

- 2010** Efficacy and cytokine modulating effects of tacrolimus in systemic lupus erythematosus: a review.
1 [20625508] J Biomed Biotechnol 2010(-):686480 (2010)
- 2004** Downregulation of Ca(2+) and Mg(2+) transport proteins in the kidney explains tacrolimus (FK506)-induced hypercalciuria and hypomagnesemia.
2 [14978156] J Am Soc Nephrol 15(3):549-57 (2004)
- 2011** Effects of cyclosporine, tacrolimus and rapamycin on renal calcium transport and vitamin D metabolism.
3 [21691056] Am J Nephrol 34(1):87-94 (2011)
- 2007** Metabolism of tacrolimus (FK506) and recent topics in clinical pharmacokinetics.
4 [17965516] Drug Metab Pharmacokinet 22(5):328-35 (2007)
- 2008** Pharmacodynamic monitoring of calcineurin phosphatase activity in transplant patients treated with calcineurin inhibitors.
5 [18574318] Drug Metab Pharmacokinet 23(3):150-7 (2008)
- 2010** Tacrolimus-associated posterior reversible encephalopathy syndrome after solid organ transplantation.
6 [20699617] Eur Neurol 64(3):169-77 (2010)

Erectile dysfunction	Pulmonary hypertension	Tadalafil	
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2010 The emergence of oral tadalafil as a once-daily treatment for pulmonary arterial hypertension.
1 [20479949] Vasc Health Risk Manag 6(-):273-80 (2010)
2008 Tadalafil in the treatment of erectile dysfunction.
2 [19337438] Ther Clin Risk Manag 4(6):1315-30 (2008)
2008 Tadalafil: the evidence for its clinical potential in the treatment of pulmonary arterial hypertension.
3 [21221188] Core Evid 2(4):225-31 (2008)

Taeniosis

12487

Taeniose

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TAF1	12488	TAF1
ATP1A3	GCH1	SGCE
Disease classifications	PNKD1	SLC2A1
Dystonia	PRKAR1A	TAF1
		THAP1
		TOR1A

2009 **The monogenic primary dystonias.**
 1 [19578124] Brain 132(Pt 8):2005-25 (2009)

Tafazzin		12489	Tafazzin
Barth s syndrome	Cardiolipin	Tafazzin	

2009 Cellular functions of cardiolipin in yeast.
1 [18725250] Biochim Biophys Acta 1793(1):212-8 (2009)

TAFIA			
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2009 Carboxypeptidase U (TAFIa): a new drug target for fibrinolytic therapy?
1 [19719827] J Thromb Haemost 7(12):1962-71 (2009)
2003 Thrombin-activatable fibrinolysis inhibitor (TAFI, plasma procarboxypeptidase B, procarboxypeptidase R, procarboxypeptidase U).
2 [12871292] J Thromb Haemost 1(7):1566-74 (2003)

TAG1		12491	TAG1
BIG1	Contactin	NB3	
BIG2	NB2	TAG1	

2009 Contactins: emerging key roles in the development and function of the nervous system.
1 [19262165] Cell Adh Migr 3(1):64-70 (2009)

DAPK1 ERS UFR (Apoptosis) Flt3ITD	HDAC2 HDAC6 Leukemia (acute myeloic)	NFKB TAK1 TGF beta	TRAF6
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2006 TGF-beta activated kinase-1: new insights into the diverse roles of TAK1 in development and immunity.

1 [17218788] Cell Cycle 5(24):2852-5 (2006)

2006 Ubiquitin, TAK1 and IKK: is there a connection?

2 [16485032] Cell Death Differ 13(5):687-92 (2006)

2009 TGF-beta uses the E3-ligase TRAF6 to turn on the kinase TAK1 to kill prostate cancer cells.

3 [19243289] Future Oncol 5(1):1-3 (2009)

2012 A noncanonical Flt3ITD/NF-kappaB signaling pathway represses DAPK1 in acute myeloid leukemia.

4 [22096027] Clin Cancer Res 18(2):360-9 (2012)

Aorta (Coarctation)	Takayasu arteriitis		
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2005 Takayasu's arteritis: A study of 104 Italian patients.

1 [15696576] Arthritis Rheum 53(1):100-7 (2005)

1965 PARADOXES OF TAKAYASU'S DISEASE.

2 [14254975] Calif Med 102(-):185-93 (1965)

2003 Long-term survival after surgical treatment of patients with Takayasu's arteritis.

3 [12952846] Circulation 108(12):1474-80 (2003)

"Takotsubo" cardiomyopathy A syndrome characterized by transient left ventricular

apical ballooning that mimics the shape of a bottle used for trapping octopus in Japan.

4 [15168766] Intern Med 43(4):275-6 (2004)

2002 Takayasu arteritis: a review.

5 [12101189] J Clin Pathol 55(7):481-6 (2002)

2000 Takayasu arteritis: insights into immunopathology.

6 [10807525] Jpn Heart J 41(1):15-26 (2000)

2007 Takayasu's arteritis--recent advances in imaging offer promise.

7 [17043053] Rheumatology (Oxford) 46(1):6-15 (2007)

2006 MRI of Takayasu's arteritis: typical appearances and complications.

8 [17114507] AJR Am J Roentgenol 187(6):W569-75 (2006)

2005 Imaging findings in Takayasu's arteritis.

9 [15908559] AJR Am J Roentgenol 184(6):1945-50 (2005)

1976 Endometritis in the cow as a cause of infertility.

10 [7957] Vet Med Small Anim Clin 71(7):961-2 (1976)

2004 Gadolinium-enhanced three-dimensional MR angiography of Takayasu arteritis.

11 [15143227] Radiographics 24(3):773-86 (2004)

2002 Surgical treatment of Takayasu's disease.

12 [12086255] Cleve Clin J Med 69 Suppl 2(-):SII146-8 (2002)

2010 Antiplatelet therapy in the treatment of Takayasu arteritis.

13 [20472963] Circ J 74(6):1079-80 (2010)

2011 Familial Takayasu arteritis - a pediatric case and a review of the literature.

14 [21288360] Pediatr Rheumatol Online J 9(-):6 (2011)

TAL1 SCL

12494

TAL1 SCL

Hemopoiesis (BASKET)	TAL1 SCL	USF	
Myc	TFII I		

2011 Role of helix-loop-helix proteins during differentiation of erythroid cells.

1 [21282467] Mol Cell Biol 31(7):1332-43 (2011)

Talairach space

12495

Talairach Raum

Talairach space			
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2002 Multiparametric color-encoded brain MR imaging in Talairach space.

1 [\[11896233\]](#) Radiographics 22(2):e3 (2002)

Anticonvulsive agents	Fluorofelbamate	Remacemide	Stiripentol
Brivaracetam	Fosphenytoin	Retigabine	Talampanel
Carabersat	Ganaxolone	Rufinamide	Valrocemide
Carisbamate	Lacosamide	Safinamide	
DP valproic acid	Losigamone	Seletracetam	
Eslicarbazepine	Pregabalin	Soretolide	

2009 Third-generation antiepileptic drugs: mechanisms of action, pharmacokinetics and interactions.
1 [19443931] Pharmacol Rep 61(2):197-216 (2009)

TALENs		12497	TALENs
Data base (Medicine Biology Pharmacology)	TALENs		

2011 **Efficient design and assembly of custom TALEN and other TAL effector-based constructs for DNA targeting.**
1 [21493687] Nucleic Acids Res 39(12):e82 (2011)

Talin		12498	Talin
Immunological synapse	Paxillin	Talin	
Integrin	Podosome	Vinculin	

2005 Integrin activation by talin.
1 [\[16102045\]](#) J Thromb Haemost 3(8):1783-90 (2005)
2008 Integrin activation.
2 [\[18363565\]](#) Biochem Soc Trans 36(Pt 2):229-34 (2008)
2008 Adhesions ring: a structural comparison between podosomes and the immune synapse.
3 [\[18343530\]](#) Eur J Cell Biol 87(8-9):507-15 (2008)

Aromatase Inhibitor	Estrogen	Progesterone	
Calphostin C	Fura2	Protein kinase C	
CYP2D6	Immunopharmacology	Tamoxifen	
Endoxifen	Mammary gland (Neoplasia)	TRPV6	

2000 Tamoxifen's clinical applications: old and new.

1 [11031399] Arch Fam Med 9(9):906-12 (2000)

1999 The tamoxifen dilemma.

2 [10383884] Carcinogenesis 20(7):1153-60 (1999)

2004 Mechanisms of tamoxifen resistance.

3 [15613444] Endocr Relat Cancer 11(4):643-58 (2004)

2000 Tamoxifen-induced uterine abnormalities: the role of imaging.

4 [10644098] Radiology 214(1):29-38 (2000)

2009 Potential role of UGT pharmacogenetics in cancer treatment and prevention: focus on tamoxifen.

5 [19250197] Ann N Y Acad Sci 1155(-):99-111 (2009)

2009 Pharmacogenomics of tamoxifen therapy.

6 [19574470] Clin Chem 55(10):1770-82 (2009)

2011 The clinical effectiveness and cost-effectiveness of genotyping for CYP2D6 for the management of women with breast cancer treated with tamoxifen: a systematic review.

7 [21906462] Health Technol Assess 15(33):1-102 (2011)

2008 The effect of tamoxifen on the genital tract.

8 [18603495] Cancer Imaging 8(-):135-45 (2008)

2007 Pathways to tamoxifen resistance.

9 [17475399] Cancer Lett 256(1):1-24 (2007)

2003 Meta-analysis of vascular and neoplastic events associated with tamoxifen.

10 [14687281] J Gen Intern Med 18(11):937-47 (2003)

2009 Tamoxifen inhibits TRPV6 activity via estrogen receptor-independent pathways in TRPV6-expressing MCF-7 breast cancer cells.

11 [19996302] Mol Cancer Res 7(12):2000-10 (2009)

2008 The role of TRPV6 in breast carcinogenesis.

12 [18245667] Mol Cancer Ther 7(2):271-9 (2008)

2009 The effects of tamoxifen on immunity.

13 [19689284] Curr Med Chem 16(24):3076-80 (2009)

2010 Management of aromatase inhibitor-induced arthralgia.

14 [20179809] Curr Oncol 17(1):87-90 (2010)

2010 Coprescription of tamoxifen and medications that inhibit CYP2D6.

15 [20439629] J Clin Oncol 28(16):2768-76 (2010)

TAN lines		12500	TAN lines
Cell migration Nesprin2G	Nuclear membrane SUN2	TAN lines	

2011 TAN lines: a novel nuclear envelope structure involved in nuclear positioning.

1 [21818410] Nucleus 2(3):173-81 (2011)

81C6 ttTenascin	Eculizumab ttFactorH	MuromonabCD3 ttCD3	Rituximab ttCD20
Abciximab ttGPIIAIIIB	Efalizumab ttLFA1	Naptumomab estafenatox tt5T4	Solanezumab ttAmyloidBeta
Adalimumab ttTNFalpha	Epratuzumab ttCD22	Natalizumab ttIntegralpha4	Tanezumab ttNGF
Alemtuzumab ttCD52	Farletuzumab ttFolateRalpha	Ocrelizumab ttCD20	Teplizumab ttCD3
Bapineuzumab ttAmyloidBeta	Figitumumab ttIGF1R	Ofatumumab ttCD20	Tocilizumab ttIL6
Basiliximab ttIL2R	Galiximab ttCD80	Omalizumab ttCD20	Tositumomab ttCD20
Belimumab ttBLyS	Gemtuzumab ozogamicin ttCD33	Otelixizumab ttCD3	Trastuzumab emtansine ttHER2
Bevacizumab ttVEGF	Girentuximab ttCarbomicAnhydraseIX	Pagibaximab ttLipoteichoicAcidStaphlococcus	Trastuzumab ttHER2
Briakinumab ttIL12 ttIL23	Golimumab ttTNFalpha	Palivizumab ttRSVirusFprotein	Ustekinumab ttIL12 ttIL23
Canakinumab ttIL1beta	Ibritumomab tiuxentan yttrium ttCD20	Panitumomab ttEGFR	Vedolizumab ttIntegrina4b7
Certolizumab ttTNFalpha	Infliximab ttTNFalpha	Pertuzumab ttHER2	Zalutumumab ttEGFR
Cetuximab ttEGFR	Inotuzumab ozogamicin ttCD22	Ramucirumab ttVEGFR2	
Daclizumab ttIL2R	Ipilimumab ttCTLA4	Ranibizumab ttVEGF	
Dalotuzumab ttIGF1R	Mepolizumab ttIL5	Raxibacumab ttAnthrax	
Denosumab ttRANKL	Motavizumab ttRSVirus	Reslizumab ttIL5	

2010

Antibodies to watch in 2010.

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[20065640] MAb 2(1):84-100 (2010)

Tangier s disease			
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2000 Tangier disease as a test of the reverse cholesterol transport hypothesis.

1 [11086021] J Clin Invest 106(10):1205-7 (2000)

Tankyrase			
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2006 The telomeric PARP, tankyrases, as targets for cancer therapy.
1 [16421589] Br J Cancer 94(3):341-5 (2006)

Tannin		12504	Tannin
Immunopharmacology	Procyanidins	Tannin	
Natural products	T cell (gammadelta)		

2008 Response of gammadelta T Cells to plant-derived tannins.
1 [19166386] Crit Rev Immunol 28(5):377-402 (2008)

Tanycyte		12505	Tanycyte
GnRH	Median eminence		
Kidney (Podocytes)	Tanycyte		

Gonadotrophin-releasing hormone nerve terminals, tanycytes and neurohaemal
2010 junction remodelling in the adult median eminence: functional consequences for
1 reproduction and dynamic role of vascular endothelial cells.
[20492366] J Neuroendocrinol 22(7):639-49 (2010)

Antigen presentation and processing	ERp57	TAP1	Transporter (ABC family)
Calnexin	Immunodeficiency (Inherited)	TAP2	
Calreticulin	TAP	Tapasin	

2000 TAP deficiency syndrome.

1 [10931128] Clin Exp Immunol 121(2):173-8 (2000)

2001 The transporter associated with antigen processing (TAP): structural integrity, expression, function, and its clinical relevance.

2 [11471551] Mol Med 7(3):149-58 (2001)

1999 The transporter associated with antigen processing TAP: structure and function.

3 [10618487] FEBS Lett 464(3):108-12 (1999)

2004 The ABCs of immunology: structure and function of TAP, the transporter associated with antigen processing.

4 [15304636] Physiology (Bethesda) 19(-):216-24 (2004)

2002 The transporter associated with antigen processing: function and implications in human diseases.

5 [11773612] Physiol Rev 82(1):187-204 (2002)

2009 The mechanism of ABC transporters: general lessons from structural and functional studies of an antigenic peptide transporter.

6 [19174475] FASEB J 23(5):1287-302 (2009)

2010 What is the role of alternate splicing in antigen presentation by major histocompatibility complex class I molecules?

7 [19830395] Immunol Res 46(1-3):32-44 (2010)

TAP1	12507	TAP1	
Antigen presentation and processing	ERp57	TAP2	
Calnexin	TAP	Tapasin	
Calreticulin	TAP1		

2010 What is the role of alternate splicing in antigen presentation by major histocompatibility complex class I molecules?
1 [19830395] Immunol Res 46(1-3):32-44 (2010)

TAP2	12508	TAP2	
Antigen presentation and processing	ERp57	TAP2	
Calnexin	TAP	Tapasin	
Calreticulin	TAP1		

2010 What is the role of alternate splicing in antigen presentation by major histocompatibility complex class I molecules?

1 [19830395] Immunol Res 46(1-3):32-44 (2010)

TAp63		12509	TAp63
DeltaN P63	Scotin TAp63		

2008 Scotin: A new p63 target gene expressed during epidermal differentiation.

1 [\[18164684\]](#) *Biochem Biophys Res Commun* 367(2):271-6 (2008)

Antigen presentation and processing	ERp57	TAP1	
Calnexin	HLA MHC Class I	TAP2	
Calreticulin	TAP	Tapasin	

2007 The double role of the endoplasmic reticulum chaperone tapasin in peptide optimization of HLA class I molecules.
1 [17523940] Scand J Immunol 65(6):487-93 (2007)
2008 The quality control of MHC class I peptide loading.
2 [18926908] Curr Opin Cell Biol 20(6):624-31 (2008)
2004 Quality control of MHC class I maturation.
3 [14718384] FASEB J 18(1):31-8 (2004)
2010 What is the role of alternate splicing in antigen presentation by major histocompatibility complex class I molecules?
4 [19830395] Immunol Res 46(1-3):32-44 (2010)

Tape worm

12511

Bandwurm

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Analgesics agents and analgetic effects	Spine (Pain)	Tapentadol	
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2011 Tapentadol in the management of chronic low back pain: a novel approach to a complex condition?

1 [21887117] J Pain Res 4(-):203-10 (2011)

2011 Tapentadol extended-release for treatment of chronic pain: a review.

2 [21887118] J Pain Res 4(-):211-8 (2011)

Tardive dyskinesia			
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1999 Tardive dystonia.
1 [10667744] Schizophr Bull 25(4):741-8 (1999)
1999 Tardive dyskinesia: possible involvement of free radicals and treatment with vitamin E.
2 [10667743] Schizophr Bull 25(4):731-40 (1999)
1997 Treatment of tardive dyskinesia.
3 [9365997] Schizophr Bull 23(4):583-609 (1997)
1993 Tardive dyskinesia.
4 [8100643] Schizophr Bull 19(2):303-15 (1993)
1992 Gender differences in tardive dyskinesia: a critical review of the literature.
5 [1359633] Schizophr Bull 18(4):701-15 (1992)
1979 In search of treatment for tardive dyskinesia: review of the literature.
6 [37597] Schizophr Bull 5(2):251-93 (1979)
2001 Animal models of tardive dyskinesia--a review.
7 [11480221] Indian J Physiol Pharmacol 45(2):148-60 (2001)

Tarlov cyst			
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2001 Tarlov cyst as a rare cause of S1 radiculopathy: A case report.
1 [11346849] Arch Phys Med Rehabil 82(5):689-90 (2001)
2007 Tarlov cyst: Case report and review of literature.
2 [21139800] Indian J Orthop 41(4):401-3 (2007)

Tarsal tunnel syndrome			
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2008 **Posterior tarsal tunnel syndrome: diagnosis and treatment.**
1 [\[19578409\] Dtsch Arztebl Int 105\(45\):776-81 \(2008\)](#)

**Tartrate resistant acid
phosphatase**

12516

**Tartrat resistente Saure
Phosphatase**

Tartrate resistant acid phosphatase			
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1997 Tartrate-resistant acid phosphatase: gene structure and function.

1 [9001411] Leukemia 11(1):10-3 (1997)

Aldolase A beta Enolase Glycogenosis	Ion channel (BASKET) Lactate dehydrogenase Phosphoglycerate kinase	Phosphoglycerate mutase Tarui's disease	
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2002 Glycogenosis type VII (Tarui's disease): diagnostic considerations and late sequelae.

1 [12597298] *South Med J* 95(12):1361-2 (2002)

2007 Tarui disease and distal glycogenoses: clinical and genetic update.

2 [18421897] *Acta Myol* 26(2):105-7 (2007)

TAS102

12518

TAS102

TAS102			
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2007 Therapeutic potential of the dual-targeted TAS-102 formulation in the treatment of
1 gastrointestinal malignancies.
[17441963] Cancer Sci 98(6):779-89 (2007)

Taser			
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2004 Introduction of the Taser into British policing. Implications for UK emergency departments: an overview of electronic weaponry.

1 [14988334] Emerg Med J 21(2):136-40 (2004)

2008 Cardiac stimulation with high voltage discharge from stun guns.

2 [18450834] CMAJ 178(11):1451-7 (2008)

2008 Tasers in medicine: an irreverent call for proposals.

3 [18450833] CMAJ 178(11):1401-2, 1403-4 (2008)

Ion channel (BASKET)	KCNK0		
Ion channel (Potassium)	TASK3		

2010 **Gating of two pore domain potassium channels.**
1 [\[20566661\] J Physiol 588\(Pt 17\):3149-56 \(2010\)](#)

Swallowing (Neurophysiology)	Taste sensation		
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2002 Molecular mechanisms of bitter and sweet taste transduction.

1 [11696554] J Biol Chem 277(1):1-4 (2002)

2006 Psychophysics of sweet and fat perception in obesity: problems, solutions and new perspectives.

2 [16815797] Philos Trans R Soc Lond B Biol Sci 361(1471):1137-48 (2006)

2006 Brain mechanisms underlying flavour and appetite.

3 [16815796] Philos Trans R Soc Lond B Biol Sci 361(1471):1123-36 (2006)

2010 The cell biology of taste.

4 [20696704] J Cell Biol 190(3):285-96 (2010)

2007 The pharmacology and signaling of bitter, sweet, and umami taste sensing.

5 [17468389] Mol Interv 7(2):87-98 (2007)

2006 Diverse tastes: Genetics of sweet and bitter perception.

6 [16782140] Physiol Behav 88(3):215-26 (2006)

2010 Gustatory signaling in the periphery: detection, transmission, and modulation of taste information.

7 [21048297] Biol Pharm Bull 33(11):1772-7 (2010)

2010 Role played by afferent signals from olfactory, gustatory and gastrointestinal sensors in regulation of autonomic nerve activity.

8 [21048298] Biol Pharm Bull 33(11):1778-82 (2010)

2010 Neural mechanisms of swallowing and effects of taste and other stimuli on swallow initiation.

9 [21048300] Biol Pharm Bull 33(11):1786-90 (2010)

2008 Brain activation by umami substances via gustatory and visceral signaling pathways, and physiological significance.

10 [18827336] Biol Pharm Bull 31(10):1827-32 (2008)

2009 Transient receptor potential (TRP) channels and taste sensation.

11 [19329452] J Dent Res 88(3):212-8 (2009)

2008 Cracking taste codes by tapping into sensory neuron impulse traffic.

12 [18824076] Prog Neurobiol 86(3):245-63 (2008)

2007 Taste receptor genes.

13 [17444812] Annu Rev Nutr 27(-):389-414 (2007)

2005 Introductory remarks on umami research: candidate receptors and signal transduction mechanisms on umami.

14 [15738118] Chem Senses 30 Suppl 1(-):i21-2 (2005)

2005 Outline of a theory of olfactory processing and its relevance to humans.

15 [15738168] Chem Senses 30 Suppl 1(-):i3-5 (2005)

2005 Taste and related systems in primates including humans.

16 [15738204] Chem Senses 30 Suppl 1(-):i76-7 (2005)

2007 Taste memory formation: role of nucleus accumbens.

17 [16914504] Chem Senses 32(1):93-7 (2007)

2007 Control of early events in olfactory processing by adult neurogenesis.

18 [17404148] Chem Senses 32(4):397-409 (2007)

2010 Somatosensory processing of the tongue in humans.

19 [21423377] Front Physiol 1(-):136 (2010)

Tastin		12522	Tastin
Bystin Implantation (Development)	Neoplasia (Tumor biology and immunology) Tastin	Throphinin	

2008 Trophinin: what embryo implantation teaches us about human cancer.

1 [18769125] Cancer Biol Ther 7(8):1165 (2008)

**TATI Tumor associated trypsin
inhibitor**

12523

**TATI Tumor associated trypsin
inhibitor**

TATI Tumor associated trypsin inhibitor			
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2002 **Tumor-associated trypsin inhibitor.**
[1](#) [\[12142374\] Clin Chem 48\(8\):1206-9 \(2002\)](#)

Piercing	Tattoo removal		
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2006 The use of lasers for decorative tattoo removal.

1 [16820870] *Skin Therapy Lett* 11(5):8-11 (2006)

2007 Ethnobotanical tattooing of the gingiva: literature review and report of a case.

2 [17670877] *J Am Dent Assoc* 138(8):1097-101 (2007)

2009 The Kirby-Desai Scale: A Proposed Scale to Assess Tattoo-removal Treatments.

3 [20729941] *J Clin Aesthet Dermatol* 2(3):32-7 (2009)

2003 Appearance and culture: oral pathology associated with certain "fashions" (tattoos, piercings, etc.).

4 [12730654] *Med Oral* 8(3):197-206 (2003)

Dementia (frontotemporal)	Nervous system (Neurodegeneration)	Tau	
GSK3	Prions and associated diseases		

1999 Neurodegenerative tauopathies: human disease and transgenic mouse models.

1 [10595503] *Neuron* 24(3):507-10 (1999)

1998 Tau mutations cause frontotemporal dementias.

2 [9856453] *Neuron* 21(5):955-8 (1998)

2004 Role of tau protein in both physiological and pathological conditions.

3 [15044677] *Physiol Rev* 84(2):361-84 (2004)

1999 The tauopathies: toward an experimental animal model.

4 [9916910] *Am J Pathol* 154(1):1-6 (1999)

2005 Tauopathies: recent insights into old diseases.

5 [16416389] *Folia Neuropathol* 43(4):244-57 (2005)

2000 Untangling tau-related dementia.

6 [10767321] *Hum Mol Genet* 9(6):979-86 (2000)

2000 Tau aggregation into fibrillar polymers: tauopathies.

7 [10878257] *FEBS Lett* 476(1-2):89-92 (2000)

2011 Tau, prions and A β : the triad of neurodegeneration.

8 [20473510] *Acta Neuropathol* 121(1):5-20 (2011)

2009 Mechanisms of tau-induced neurodegeneration.

9 [19184068] *Acta Neuropathol* 118(1):53-69 (2009)

2007 Tau and tauopathies.

10 [17272893] *Neurol India* 55(1):11-6 (2007)

2009 Tau mutations in neurodegenerative diseases.

11 [18948254] *J Biol Chem* 284(10):6021-5 (2009)

2009 Tauopathies with parkinsonism: clinical spectrum, neuropathologic basis, biological markers, and treatment options.

12 [19364361] *Eur J Neurol* 16(3):297-309 (2009)

2009 The role of tau in neurodegeneration.

13 [19284597] *Mol Neurodegener* 4(-):13 (2009)

2010 Intracellular and extracellular tau.

14 [20661459] *Front Neurosci* 4(-):49 (2010)

2010 Neuronal models for studying tau pathology.

15 [20721342] *Int J Alzheimers Dis* 2010(-):- (2010)

2011 Functional implications of glycogen synthase kinase-3-mediated tau phosphorylation.

16 [21776376] *Int J Alzheimers Dis* 2011(-):352805 (2011)

2009 Stress-induced tau phosphorylation: functional neuroplasticity or neuronal vulnerability?

17 [19584431] *J Alzheimers Dis* 18(2):453-7 (2009)

2010 Is tau a suitable therapeutic target in tauopathies?

18 [21540993] *World J Biol Chem* 1(5):81-4 (2010)

Taurine bromamine

12526

Taurin Bromamin

Taurine bromamine			
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2010 Taurine bromamine (TauBr)--its role in immunity and new perspectives for clinical use.
1 [20804605] J Biomed Sci 17 Suppl 1(-):S3 (2010)

Amino acids (Sulfur containing)	Homocysteine	Methylsulfonium compounds	S Adenosylhomocysteine
Cystein	Hypotaurine	Osmolytes	Taurine
Glycerol	Methionine	Polyol	Urea
Heart (Coronary heart disease BASKET)	Methylamines	S Adenosyl methionine	

2010 Taurine and the renal system.

1 [20804616] J Biomed Sci 17 Suppl 1(-):S4 (2010)

2010 Physiological roles of taurine in heart and muscle.

2 [20804594] J Biomed Sci 17 Suppl 1(-):S2 (2010)

2006 The sulfur-containing amino acids: an overview.

3 [16702333] J Nutr 136(6 Suppl):1636S-1640S (2006)

2005 Organic osmolytes as compatible, metabolic and counteracting cytoprotectants in high osmolarity and other stresses.

4 [16043587] J Exp Biol 208(Pt 15):2819-30 (2005)

2010 The potential protective effects of taurine on coronary heart disease.

5 [19592001] Atherosclerosis 208(1):19-25 (2010)

2010 Taurine and glucose metabolism: a review.

6 [21519760] Nutr Hosp 25(6):910-9 (2010)

AMP activated protein kinase	ERS UFR (Diseases)	Tauroursodeoxycholic acid ttchemchaperone	
Atherosclerosis (BASKET)	Insulin (resistance)	Tempol	
Chaperone (Pharmacological)	SERCA		

2010 **Reduction of AMP-activated protein kinase alpha2 increases endoplasmic reticulum stress and atherosclerosis in vivo.**
1 [20124121] *Circulation* 121(6):792-803 (2010)

2010 **Tauroursodeoxycholic Acid may improve liver and muscle but not adipose tissue insulin sensitivity in obese men and women.**
2 [20522594] *Diabetes* 59(8):1899-905 (2010)

Taussig Bing anomaly			
----------------------	--	--	--

2009 Taussig-Bing anomaly: from original description to the current era.
1 [20069085] Tex Heart Inst J 36(6):580-5 (2009)

Tautomycetin		12530	Tautomycetin
Tautomycetin			

2004 T Cell-specific immunosuppression using tautomycetin or PTD-conjugated protein
1 drugs.
[15627288] Yonsei Med J 45(6):978-90 (2004)

Taxanes	12531	Taxane
Taxanes		

2006 Novel formulations of taxanes: a review. Old wine in a new bottle?
1 [16364960] *Ann Oncol* 17(5):735-49 (2006)

2007 The shape of things to come: structural and synthetic studies of taxol and related compounds.
2 [17184797] *Phytochemistry* 68(14):1844-54 (2007)

2003 The taxanes: toxicity and quality of life considerations in advanced ovarian cancer.
3 [14661042] *Br J Cancer* 89 Suppl 3(-):S16-22 (2003)

2007 Improved biochemical strategies for targeted delivery of taxoids.
4 [17419065] *Bioorg Med Chem* 15(11):3597-623 (2007)

Taxonomy		12532	Taxonomie
DNA (Barcoding)	Taxonomy		

2011
1

Choosing and using a plant DNA barcode.
[21637336] PLoS One 6(5):e19254 (2011)

beta Hexosaminidase A	Sandhoff disease		
Gangliosidosis GM2	Tay Sachs disease		

1998 Neuropsychiatric aspects of the adult variant of Tay-Sachs disease.

1 [9547461] J Neuropsychiatry Clin Neurosci 10(1):10-9 (1998)

2004 Tay-Sachs disease.

2 [15364698] Arch Neurol 61(9):1466-8 (2004)

2007 Lending a helping hand, screening chemical libraries for compounds that enhance beta-hexosaminidase A activity in GM2 gangliosidosis cells.

3 [17894780] FEBS J 274(19):4951-61 (2007)

TAZ		12534	TAZ
Cell differentiation	TAZ		

2006 TAZ: a beta-catenin-like molecule that regulates mesenchymal stem cell differentiation.

1 [16397409] Cell Cycle 5(2):176-9 (2006)

TBC protein domain		12535	TBC Proteindomaene
RAB	TBC protein domain		

2010 **Rab GEFs and GAPs.**
 1 [\[20466531\]](#) Curr Opin Cell Biol 22(4):461-70 (2010)

Parathyroid gland (Development)	TBCE tubulin chaperone E		
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2007 **Parathyroid development and the role of tubulin chaperone E.**
 1 [\[17008776\]](#) Horm Res 67(1):12-21 (2007)

TBP2

12537

TBP2

TBP2			
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2009 TBP2 is a general transcription factor specialized for female germ cells.

1 [\[19951399\] J Biol 8\(11\):97 \(2009\)](#)

Tbx1	12538	Tbx1
DiGeorge s syndrome	Tbx1	

2010 DiGeorge syndrome, Tbx1, and retinoic acid signaling come full circle.
1 [20203312] Circ Res 106(4):630-2 (2010)

TBX20

12539

TBX20

Heart (Development)	MSX2	SOX9	Twist1
MSX1	Scleraxis	TBX20	

2010 **Transcriptional regulation of heart valve progenitor cells.**
[1](#) [\[20039031\]](#) *Pediatr Cardiol* 31(3):414-21 (2010)

Tbx3		12540	Tbx3
3meH3K27	Nanog	Polycomb	Tbx3
Foxd3	Oct4	SOX2	
Klf4	PCL2	Stem cell (Embryonal)	

2011 **PCL2 modulates gene regulatory networks controlling self-renewal and commitment in embryonic stem cells.**
1 [21193838] Cell Cycle 10(1):45-51 (2011)

TCF1	12541	TCF1	
T cell (Development)	TCF1	Wnt beta Catenin TCF	

2010 **TCF1 and beta-catenin regulate T cell development and function.**
 1 [\[20082155\] Immunol Res 47\(1-3\):45-55 \(2010\)](#)

TCF4		12542	TCF4
CNTNAP2	Pitt Hopkins syndrome	TCF4	
NRXN1 Neurexin1	Schizophrenia		

2010 **TCF4, schizophrenia, and Pitt-Hopkins Syndrome.**
1 [\[20421335\] Schizophr Bull 36\(3\):443-7 \(2010\)](#)

TCL1 protein family	12543	TCL1 Proteinfamilie
TCL1 protein family		

2002 Crystal structures of Tcl1 family oncoproteins and their conserved surface features.
1 [\[12920316\] ScientificWorldJournal 2\(-\):1876-84 \(2002\)](#)

TCOF1 Treacle	Treacher Collins syndrome		
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2009 Treacher Collins syndrome: unmasking the role of Tcof1/treacle.
1 [19027870] Int J Biochem Cell Biol 41(6):1229-32 (2009)

TDIQ	12545	TDIQ
TDIQ		

2007 TDIQ (5,6,7,8-tetrahydro-1,3-dioxolo [4,5-g]isoquinoline): discovery, pharmacological effects, and therapeutic potential.
1 [18078426] CNS Drug Rev 13(4):405-22 (2007)

Alzheimer s disease	Frontotemporal lobar degeneration	Neurodegeneration	TDP43
Amyotrophic lateral sclerosis	FUS TLS	Progranulin	
Dementia (frontotemporal)	Guam Parkinson dementia complex	RNA (Binding proteins)	

- 2009 Clinical and pathological continuum of multisystem TDP-43 proteinopathies.**
1 [19204154] Arch Neurol 66(2):180-9 (2009)
- 2009 Molecular neuropathology of TDP-43 proteinopathies.**
2 [19333444] Int J Mol Sci 10(1):232-46 (2009)
- 2011 Motor neuron disease clinically limited to the lower motor neuron is a diffuse TDP-43 proteinopathy.**
3 [21225272] Acta Neuropathol 121(4):509-17 (2011)
- 2008 TAR DNA-binding protein-43 in amyotrophic lateral sclerosis, frontotemporal lobar degeneration, and Alzheimer disease.**
4 [18575875] Acta Neuropathol 116(2):135-40 (2008)
- 2008 TDP-43 immunoreactivity in neurodegenerative disorders: disease versus mechanism specificity.**
5 [18034349] Acta Neuropathol 115(1):147-9 (2008)
- 2010 TDP-43 and FUS/TLS: emerging roles in RNA processing and neurodegeneration.**
6 [20400460] Hum Mol Genet 19(R1):R46-64 (2010)
- 2009 Mutations in TDP-43 link glycine-rich domain functions to amyotrophic lateral sclerosis.**
7 [19808791] Hum Mol Genet 18(R2):R156-62 (2009)
- 2011 TDP-43 in aging and Alzheimer's disease - a review.**
8 [21326809] Int J Clin Exp Pathol 4(2):147-55 (2011)
- 2009 Cytoplasmic inclusions of TDP-43 in neurodegenerative diseases: a potential role for caspases.**
9 [19554515] Histol Histopathol 24(8):1081-6 (2009)
- 2008 Update on recent molecular and genetic advances in frontotemporal lobar degeneration.**
10 [18596549] J Neuropathol Exp Neurol 67(7):635-48 (2008)
- 2008 ALS and FTL: two faces of TDP-43 proteinopathy.**
11 [18684309] Eur J Neurol 15(8):772-80 (2008)
- 2010 Review: transactive response DNA-binding protein 43 (TDP-43): mechanisms of neurodegeneration.**
12 [20202122] Neuropathol Appl Neurobiol 36(2):97-112 (2010)
- 2010 Amyotrophic lateral sclerosis and frontotemporal lobar degeneration: a spectrum of TDP-43 proteinopathies.**
13 [20102519] Neuropathology 30(2):103-12 (2010)
- 2011 Rodent models of TDP-43 proteinopathy: investigating the mechanisms of TDP-43-mediated neurodegeneration.**
14 [21811811] J Mol Neurosci 45(3):486-99 (2011)
- 2011 Progranulin and TDP-43: mechanistic links and future directions.**
15 [21863317] J Mol Neurosci 45(3):561-73 (2011)
- 2008 The role of transactive response DNA-binding protein-43 in amyotrophic lateral sclerosis and frontotemporal dementia.**
16 [18989115] Curr Opin Neurol 21(6):693-700 (2008)
- 2009 Amyotrophic lateral sclerosis, frontotemporal dementia and beyond: the TDP-43 diseases.**
17 [19271105] J Neurol 256(8):1205-14 (2009)
- 2010 TAR DNA-binding protein 43 in neurodegenerative disease.**
18 [20234357] Nat Rev Neurol 6(4):211-20 (2010)
- 2008 TDP-43 in neurodegenerative disorders.**
19 [18549326] Expert Opin Biol Ther 8(7):969-78 (2008)
- 2008 TDP-43 is a culprit in human neurodegeneration, and not just an innocent bystander.**
20 [18592312] Mamm Genome 19(5):299-305 (2008)
- 2011 RNA-binding proteins and RNA metabolism: a new scenario in the pathogenesis of Amyotrophic lateral sclerosis.**
21 [21412718] Arch Ital Biol 149(1):83-99 (2011)

BMX ETK	ITK	T cell (BASKET)	
Btk	RLK TXK	Tec	

2000 Tec kinases: a family with multiple roles in immunity.
1 [10795735] Immunity 12(4):373-82 (2000)

2002 Beyond calcium: new signaling pathways for Tec family kinases.
2 [12118060] J Cell Sci 115(Pt 15):3039-48 (2002)

2009 Conformational snapshots of Tec kinases during signaling.
3 [19290922] Immunol Rev 228(1):74-92 (2009)

2009 Tec kinases regulate T-lymphocyte development and function: new insights into the roles of Itk and Rlk/Txk.
4 [19290923] Immunol Rev 228(1):93-114 (2009)

2009 The Tec kinases Itk and Rlk regulate conventional versus innate T-cell development.
5 [19290924] Immunol Rev 228(1):115-31 (2009)

Plants (BASKET)	Technology risk assessment		
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2011 Has selection for improved agronomic traits made reed canarygrass invasive?
1 [21991347] PLoS One 6(10):e25757 (2011)
2010 The technology acceptance model: its past and its future in health care.
2 [19615467] J Biomed Inform 43(1):159-72 (2010)
2008 Just what the doctor ordered. Review of the evidence of the impact of computerized
3 physician order entry system on medication errors.
[18211517] Health Serv Res 43(1 Pt 1):32-53 (2008)

Teduglutide ttGLP2		12549	Teduglutide ttGLP2
Short bowel syndrome	Teduglutide ttGLP2		

2011 Emerging treatment options for short bowel syndrome: potential role of teduglutide.
1 [22016579] Clin Exp Gastroenterol 4(-):189-96 (2011)

Regeneration of tissues and other biologic structures	Teeth (Pulpa)	Tooth (Periapical lesion)	
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2002 Analysis of pulpal reactions to restorative procedures, materials, pulp capping, and future therapies.

¹ [12499243] Crit Rev Oral Biol Med 13(6):509-20 (2002)

1998 Immune defense mechanisms of the dental pulp.

² [9603235] Crit Rev Oral Biol Med 9(2):179-200 (1998)

1995 A new biological approach to vital pulp therapy.

³ [8785262] Crit Rev Oral Biol Med 6(3):218-29 (1995)

2009 Dental pulp neurophysiology: part 2. Current diagnostic tests to assess pulp vitality.

⁴ [19267966] J Can Dent Assoc 75(2):139-43 (2009)

2010 Vital pulp therapy-current progress of dental pulp regeneration and revascularization.

⁵ [20454445] Int J Dent 2010(-):856087 (2010)

2009 Dental pulp testing: a review.

⁶ [20339575] Int J Dent 2009(-):365785 (2009)

2010 Nonsurgical management of periapical lesions.

⁷ [21217952] J Conserv Dent 13(4):240-5 (2010)

2011 Dental pulp tissue engineering.

⁸ [21519641] Braz Dent J 22(1):3-13 (2011)

2010 Innovative endodontic therapy for anti-inflammatory direct pulp capping of permanent teeth with a mature apex.

⁹ [20416524] Oral Surg Oral Med Oral Pathol Oral Radiol Endod 109(5):e75-81 (2010)

Irritable bowel syndrome	Tegaserod		
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2007 Tegaserod in the treatment of irritable bowel syndrome (IBS) with constipation as the prime symptom.

1 [18360619] Ther Clin Risk Manag 3(1):107-18 (2007)

2001 Review article: tegaserod.

2 [11207504] Aliment Pharmacol Ther 15(3):277-89 (2001)

2004 Review article: the safety profile of tegaserod.

3 [15521852] Aliment Pharmacol Ther 20 Suppl 7(-):25-30 (2004)

2004 Review article: tegaserod for chronic constipation.

4 [15521851] Aliment Pharmacol Ther 20 Suppl 7(-):20-4 (2004)

2004 Review article: tegaserod -- the global experience.

5 [15521850] Aliment Pharmacol Ther 20 Suppl 7(-):15-9 (2004)

2010 Safety and efficacy of tegaserod therapy in patients with irritable bowel syndrome or chronic constipation.

6 [20410554] Can J Clin Pharmacol 17(1):e194-200 (2010)

Addiction (BASKET)	Tegmentum		
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2008 The cholinergic mesopontine tegmentum is a relatively neglected nicotinic master modulator of the dopaminergic system: relevance to drugs of abuse and pathology.
1 [18223661] Br J Pharmacol 153 Suppl 1(-):S438-45 (2008)

Bacteria (Cell wall)	Teichoic acid	Teichuronic acid	
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2003 A continuum of anionic charge: structures and functions of D-alanyl-teichoic acids in gram-positive bacteria.

1 [14665680] Microbiol Mol Biol Rev 67(4):686-723 (2003)

1981 Teichoic and teichuronic acids: biosynthesis, assembly, and location.

2 [7022154] Microbiol Rev 45(2):211-43 (1981)

1973 Immunological properties of teichoic acids.

3 [4578758] Bacteriol Rev 37(2):215-57 (1973)

2010 Wall teichoic acid function, biosynthesis, and inhibition.

4 [19899094] Chembiochem 11(1):35-45 (2010)

Teichoic acid	Teichuronic acid		
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1981 Teichoic and teichuronic acids: biosynthesis, assembly, and location.
1 [7022154] Microbiol Rev 45(2):211-43 (1981)

Teicoplanin

12555

Teicoplanin

Teicoplanin	Vancomycin		
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1996 The comparative efficacy and safety of teicoplanin and vancomycin.
1 [8707731] J Antimicrob Chemother 37(2):209-22 (1996)

Tel2

12556

Tel2

Tel2			
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2007 Tel2: a common partner of PIK-related kinases and a link between DNA checkpoint and nutritional response?
1 [18076567] *Genes Cells* 12(12):1301-4 (2007)

Telaprevir

12557

Telaprevir

Boceprevir	Hepatitis C	Telaprevir	
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2011 **Formulary management of the protease inhibitors boceprevir and telaprevir for chronic hepatitis C virus.**

1 [22050393] J Manag Care Pharm 17(9):685-94 (2011)

Telavancin			
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2008 A review of telavancin in the treatment of complicated skin and skin structure infections (cSSSI).
1 [18728713] Ther Clin Risk Manag 4(1):235-44 (2008)
2004 Comparative in vitro activity of telavancin (TD-6424), a rapidly bactericidal, concentration-dependent anti-infective with multiple mechanisms of action against Gram-positive bacteria.
2 [15028667] J Antimicrob Chemother 53(5):797-803 (2004)
2009 Telavancin: a novel lipoglycopeptide.
3 [19911938] Clin Infect Dis 49(12):1908-14 (2009)

Hepatitis B	Telbivudin		
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2007 Telbivudine: a new treatment for chronic hepatitis B.
1 [18069753] World J Gastroenterol 13(46):6150-5 (2007)
2009 Telbivudine for the treatment of chronic hepatitis B infection.
2 [19846025] Health Technol Assess 13 Suppl 3(-):23-30 (2009)

Almotriptan	Migraine	Telcagepant ttCGRP	
Calcitonin gene related peptide	Naratriptan	Triptans	
Frovatriptan	Sumatriptan	Zolmitriptan	

2011 Optimal balance of efficacy and tolerability of oral triptans and telcagepant: a review and a clinical comment.
1 [21350792] J Headache Pain 12(3):275-80 (2011)

Teleangiectasia			
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2010 Capillary telangiectasias: clinical, radiographic, and histopathological features. Clinical article.
1 [19817536] J Neurosurg 113(4):709-14 (2010)

Telecanthus hypospadia syndrome			
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1988

1

The telecanthus-hypospadias syndrome.
[3050099] J Med Genet 25(8):536-42 (1988)

CNS (Stroke BASKET)	Telemedicine		
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2010 Remote supervision of IV-tPA for acute ischemic stroke by telemedicine or telephone before transfer to a regional stroke center is feasible and safe.
1 [19910552] Stroke 41(1):e18-24 (2010)

1979 Construction of a Fresnel membrane telemicroscopic system.
2 [501011] J Am Optom Assoc 50(9):1031, 1033-4 (1979)

2011 Telecardiology--close to the heart, but still out of reach.
3 [21910376] Isr Med Assoc J 13(8):496-7 (2011)

2011 Telecardiology.
4 [21910377] Isr Med Assoc J 13(8):498-503 (2011)

2010 Review of wireless and wearable electroencephalogram systems and brain-computer interfaces--a mini-review.
5 [19641287] Gerontology 56(1):112-9 (2010)

2007 DicomWorks: software for reviewing DICOM studies and promoting low-cost teleradiology.
6 [17333414] J Digit Imaging 20(2):122-30 (2007)

2010 Developing next-generation telehealth tools and technologies: patients, systems, and data perspectives.
7 [20043711] Telemed J E Health 16(1):93-5 (2010)

Telithromycin			
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2004 Tissue kinetics of telithromycin, the first ketolide antibacterial.

1 [14729764] J Antimicrob Chemother 53(2):149-57 (2004)

2003 Drugs of the 21st century: telithromycin (HMR 3647)--the first ketolide.

2 [12615850] J Antimicrob Chemother 51(3):497-511 (2003)

2001 Activity of the ketolide antibacterial telithromycin against typical community-acquired respiratory pathogens.

3 [11566974] J Antimicrob Chemother 48 Suppl T1(-):33-42 (2001)

2001 Activity of telithromycin, a new ketolide antibacterial, against atypical and intracellular respiratory tract pathogens.

4 [11566973] J Antimicrob Chemother 48 Suppl T1(-):25-31 (2001)

2001 Overcoming antimicrobial resistance: profile of a new ketolide antibacterial, telithromycin.

5 [11566972] J Antimicrob Chemother 48 Suppl T1(-):9-23 (2001)

2001 Pharmacodynamic and pharmacokinetic considerations in antimicrobial selection: focus on telithromycin.

6 [11523559] Clin Microbiol Infect 7 Suppl 3(-):24-9 (2001)

2001 Microbiological profile of telithromycin, the first ketolide antimicrobial.

7 [11523558] Clin Microbiol Infect 7 Suppl 3(-):2-10 (2001)

2000 Ketolides--telithromycin, an example of a new class of antibacterial agents.

8 [11284926] Clin Microbiol Infect 6(12):661-9 (2000)

Diabetes mellitus (Involvement kidney) RAAS (Angiotensin receptor blockers)	Receptor (PPAR gamma) Telmisartan		
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2010 New standards in hypertension and cardiovascular risk management: focus on telmisartan.

1 [20448797] Vasc Health Risk Manag 6(-):113-33 (2010)

2011 Telmisartan in incipient and overt diabetic renal disease.

2 [21374585] J Nephrol 24(3):263-73 (2011)

Anemia (aplastic)	Lung (Fibrosis)	Stem cell (BASKET)	TINF2
Cell senescence	NHP2	Telomerase	TPP1
Dyskeratosis congenita	NOP10	Telomere	TRF1
Dyskerin	Rap1	TERC	
E2F	Shelterin	TERT	
Hoyeraal Hreidarsson syndrome	SNM1B Apollo	TIN2	

2008 Actions of human telomerase beyond telomeres.

1 [18574498] Cell Res 18(7):725-32 (2008)

1997 Preclinical and clinical strategies for development of telomerase and telomere inhibitors.

2 [9426325] Ann Oncol 8(11):1063-74 (1997)

2002 Telomerase in the human organism.

3 [11850781] Oncogene 21(4):564-79 (2002)

2001 Telomerase: biological function and potential role in cancer management.

4 [11692141] Pathol Oncol Res 7(3):161-70 (2001)

2009 Dyskeratosis congenita, stem cells and telomeres.

5 [19419704] Biochim Biophys Acta 1792(4):371-9 (2009)

2006 E2F1 and telomerase: alliance in the dark side.

6 [16628012] Cell Cycle 5(9):930-5 (2006)

2004 Telomeres, telomerase and cancer: an endless search to target the ends.

7 [15467446] Cell Cycle 3(9):1138-50 (2004)

2009 Chromosome end maintenance by telomerase.

8 [19286666] J Biol Chem 284(24):16061-5 (2009)

2011 Telomeres in cancer and ageing.

9 [21115533] Philos Trans R Soc Lond B Biol Sci 366(1561):76-84 (2011)

2004 Telomeres and telomerase.

10 [15065663] Philos Trans R Soc Lond B Biol Sci 359(1441):109-21 (2004)

2010 The role of telomeres and telomerase in endocrine tumors.

11 [21034675] Discov Med 10(53):340-7 (2010)

2011 Differences in disease severity but similar telomere lengths in genetic subgroups of patients with telomerase and shelterin mutations.

12 [21931702] PLoS One 6(9):e24383 (2011)

2011 Shortened telomere length is associated with increased risk of cancer: a meta-analysis.

13 [21695195] PLoS One 6(6):e20466 (2011)

2010 InTERTpreting telomerase structure and function.

14 [20460453] Nucleic Acids Res 38(17):5609-22 (2010)

2006 The biogenesis and regulation of telomerase holoenzymes.

15 [16829980] Nat Rev Mol Cell Biol 7(7):484-94 (2006)

2008 ATM-like kinases and regulation of telomerase: lessons from yeast and mammals.

16 [18502129] Trends Cell Biol 18(7):337-46 (2008)

2009 Telomere dysfunction in human diseases: the long and short of it!

17 [19636400] Int J Clin Exp Pathol 2(6):528-43 (2009)

2008 Physiological assembly and activity of human telomerase complexes.

18 [18054989] Mech Ageing Dev 129(1-2):91-8 (2008)

2011 Telomere dysfunction in human bone marrow failure syndromes.

19 [21647296] Nucleus 2(1):24-9 (2011)

Anemia (aplastic)	Dyskeratosis congenita	RNA (TERRA)	TIN2
BLM	Dyskerin	RTEL1	TRF1
Cell senescence	HSP90	Shelterin	TRF2
CST	Meiosis	Telomerase	Werner s syndrome
DNA (helicase)	NHP2	Telomere	WRN
DNA (Quadruplex)	NOP10	TERC	
DNA (Repair and Toxicology)	Pot1	TERT	

2002 Human telomerase and its regulation.

1 [12208997] Microbiol Mol Biol Rev 66(3):407-25, table of contents (2002)

2009 Conservation of telomere protein complexes: shuffling through evolution.

2 [19839711] Crit Rev Biochem Mol Biol 44(6):434-46 (2009)

2002 Telomere and telomerase in oncology.

3 [11942406] Cell Res 12(1):1-7 (2002)

2002 Tiptoeing to chromosome tips: facts, promises and perils of today's human telomere biology.

4 [12028791] Philos Trans R Soc Lond B Biol Sci 357(1420):545-62 (2002)

2008 Telomeres and aging.

5 [18391173] Physiol Rev 88(2):557-79 (2008)

1999 Studies of the molecular mechanisms in the regulation of telomerase activity.

6 [10593857] FASEB J 13(15):2091-104 (1999)

2005 Telomeres: what's new at your end?

7 [15976439] J Cell Sci 118(Pt 13):2785-8 (2005)

2000 Positive and negative regulation of telomerase access to the telomere.

8 [10984427] J Cell Sci 113 Pt 19(-):3357-64 (2000)

2009 Telomeres and disease.

9 [19629041] EMBO J 28(17):2532-40 (2009)

2009 A 'higher order' of telomere regulation: telomere heterochromatin and telomeric RNAs.

10 [19629032] EMBO J 28(16):2323-36 (2009)

2009 Telomere length regulation: coupling DNA end processing to feedback regulation of telomerase.

11 [19629031] EMBO J 28(16):2309-22 (2009)

2005 Mice with bad ends: mouse models for the study of telomeres and telomerase in cancer and aging.

12 [15775986] EMBO J 24(6):1095-103 (2005)

1975 Letter: Potentiation of tardive dyskinesia: possible drug interaction.

13 [1125709] Br Med J 2(5963):139 (1975)

2005 Fine-tuning the chromosome ends: the last base of human telomeres.

14 [16258279] Cell Cycle 4(11):1467-70 (2005)

2006 Telomere biology and cardiovascular disease.

15 [17122447] Circ Res 99(11):1167-80 (2006)

2002 Telomere architecture.

16 [12475927] EMBO Rep 3(12):1139-45 (2002)

2003 Assessment of telomere length and factors that contribute to its stability.

17 [12542689] Eur J Biochem 270(3):389-403 (2003)

2005 Shelterin: the protein complex that shapes and safeguards human telomeres.

18 [16166375] Genes Dev 19(18):2100-10 (2005)

2003 Which end: dissecting Ku's function at telomeres and double-strand breaks.

19 [14522942] Genes Dev 17(19):2347-50 (2003)

1999 Telomeres and telomerase.

20 [10500091] Genes Dev 13(18):2353-9 (1999)

2008 The telosome/shelterin complex and its functions.

21 [18828880] Genome Biol 9(9):232 (2008)

2003 Telomeres: a diagnosis at the end of the chromosomes.

22 [12807958] J Med Genet 40(6):385-98 (2003)

2007 Human diseases of telomerase dysfunction: insights into tissue aging.

23 [17913752] Nucleic Acids Res 35(22):7406-16 (2007)

2006 Telomeres, chromosome instability and cancer.

24 [16682448] Nucleic Acids Res 34(8):2408-17 (2006)

2002 Natural and pharmacological regulation of telomerase.

25 [11842096] Nucleic Acids Res 30(4):839-65 (2002)

1998 Can ends justify the means?: telomeres and the mechanisms of replicative senescence and immortalization in mammalian cells.

26 [9689036] Proc Natl Acad Sci U S A 95(16):9078-81 (1998)

2004 Beginning to understand the end of the chromosome.

27 [14744437] Cell 116(2):273-9 (2004)

2003 Fingering the ends: how to make new telomeres.

28 [12787493] Cell 113(5):552-4 (2003)

2001 Switching and signaling at the telomere.

29 [11572773] Cell 106(6):661-73 (2001)

1998 Reversing time: origin of telomerase.
30 [9506510] Cell 92(5):587-90 (1998)

1996 Telomeres and telomerase: a simple picture becomes complex.
31 [8898191] Cell 87(3):369-75 (1996)

2002 Telomeres: the molecular events driving end-to-end fusions.
32 [12419205] Curr Biol 12(21):R738-40 (2002)

2001 Telomeres.
33 [11516661] Curr Biol 11(11):R418 (2001)

2004 Alternatives to telomerase: keeping linear chromosomes via telomeric circles.
34 [15165907] FEBS Lett 567(1):142-6 (2004)

2008 How telomerase reaches its end: mechanism of telomerase regulation by the telomeric complex.
35 [18657499] Mol Cell 31(2):153-65 (2008)

2003 Mouse models for telomere and telomerase biology.
36 [12858012] Exp Mol Med 35(3):141-53 (2003)

2009 Dyskeratosis congenita, stem cells and telomeres.
37 [19419704] Biochim Biophys Acta 1792(4):371-9 (2009)

2010 Processing of human telomeres by the Werner syndrome protein.
38 [20814240] Cell Cycle 9(16):3137-8 (2010)

2010 Evolution of CST function in telomere maintenance.
39 [20697207] Cell Cycle 9(16):3157-65 (2010)

2004 Activation of the DNA damage response by telomere attrition: a passage to cellular senescence.
40 [15034298] Cell Cycle 3(5):543-6 (2004)

2003 Hiding at the ends of yeast chromosomes: telomeres, nucleases and checkpoint pathways.
41 [12972499] J Cell Sci 116(Pt 20):4057-65 (2003)

2009 Telomeres and marrow failure.
42 [20008219] Hematology Am Soc Hematol Educ Program -(-):338-43 (2009)

2010 Telomeres: structures in need of unwinding.
43 [20637196] FEBS Lett 584(17):3760-72 (2010)

2010 Pot1 and telomere maintenance.
44 [20493859] FEBS Lett 584(17):3779-84 (2010)

2010 The role of telomeres and telomerase in cancer research.
45 [20841475] Cancer Res 70(19):7365-71 (2010)

2010 Telomere loss as a mechanism for chromosome instability in human cancer.
46 [20484032] Cancer Res 70(11):4255-9 (2010)

2011 RTEL1: an essential helicase for telomere maintenance and the regulation of homologous recombination.
47 [21097466] Nucleic Acids Res 39(5):1647-55 (2011)

2010 Telomeres: protecting chromosomes against genome instability.
48 [20125188] Nat Rev Mol Cell Biol 11(3):171-81 (2010)

2010 To fuse or not to fuse: how do checkpoint and DNA repair proteins maintain telomeres?
49 [20515744] Front Biosci 15(-):1105-18 (2010)

2010 HSP90 manages the ends.
50 [20236825] Trends Biochem Sci 35(7):384-91 (2010)

2010 Telomeres and telomerase in cancer.
51 [19887512] Carcinogenesis 31(1):9-18 (2010)

2010 Telomere biology in healthy aging and disease.
52 [19756717] Pflugers Arch 459(2):259-68 (2010)

2010 Human telomeric G-quadruplex: thermodynamic and kinetic studies of telomeric quadruplex stability.
53 [19951355] FEBS J 277(5):1098-106 (2010)

2010 Roles of DNA repair proteins in telomere maintenance.
54 [20057153] Biosci Biotechnol Biochem 74(1):1-6 (2010)

2002 Telomere maintenance without telomerase.
55 [11850777] Oncogene 21(4):522-31 (2002)

2002 Protection of mammalian telomeres.
56 [11850778] Oncogene 21(4):532-40 (2002)

2002 Many ways to telomere dysfunction: in vivo studies using mouse models.
57 [11850783] Oncogene 21(4):584-91 (2002)

2002 Telomere dysfunction: multiple paths to the same end.
58 [11850784] Oncogene 21(4):592-7 (2002)

2002 Alternative lengthening of telomeres in mammalian cells.
59 [11850785] Oncogene 21(4):598-610 (2002)

2002 Balancing instability: dual roles for telomerase and telomere dysfunction in tumorigenesis.
60 [11850787] Oncogene 21(4):619-26 (2002)

2007 Concise review: Telomere biology in normal and leukemic hematopoietic stem cells.
61 [17510216] Stem Cells 25(8):1853-61 (2007)

2008 Polymorphism of human telomeric quadruplex structures.
62 [18373984] Biochimie 90(8):1172-83 (2008)

2010 Unwinding protein complexes in ALternative telomere maintenance.
63 [19911388] J Cell Biochem 109(1):7-15 (2010)

2007 Role of telomeres and telomerase in genomic instability, senescence and cancer.
64 [17767195] Lab Invest 87(11):1071-6 (2007)

2009 TERRA: telomeric repeat-containing RNA.
65 [19629047] EMBO J 28(17):2503-10 (2009)

2009 Syndromes of telomere shortening.
66 [19405848] Annu Rev Genomics Hum Genet 10(-):45-61 (2009)

2007 Telomere regulation and function during meiosis.

RAAS (ACE inhibitor)	Temocapril		
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2004 Pharmacological and clinical studies with temocapril, an angiotensin converting
1 enzyme inhibitor that is excreted in the bile.
[15492767] Cardiovasc Drug Rev 22(3):189-98 (2004)

Temocillin

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Temocillin

Temocillin			
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2009 Temocillin revived.
1 [19095679] J Antimicrob Chemother 63(2):243-5 (2009)

Carmustine	Hypophysis (Neoplasia)	O6 methylguanine DNA methyltransferase	
CNS (Neoplasia Astrocytoma)	Interferon beta	Skin (Neoplasia Melanoma)	
CNS (Neoplasia Glioma)	Interleukin24 MDA7	Temozolomide	

2007 The effectiveness and cost-effectiveness of carmustine implants and temozolomide for the treatment of newly diagnosed high-grade glioma: a systematic review and economic evaluation.

1 [17999840] Health Technol Assess 11(45):iii-iv, ix-221 (2007)

2001 The effectiveness and cost-effectiveness of temozolomide for the treatment of recurrent malignant glioma: a rapid and systematic review.

2 [11359682] Health Technol Assess 5(13):1-73 (2001)

2010 Temozolomide: The evidence for its therapeutic efficacy in malignant astrocytomas.

3 [20694068] Core Evid 4():93-111 (2010)

2002 A rapid and systematic review of the effectiveness of temozolomide for the treatment of recurrent malignant glioma.

4 [11870527] Br J Cancer 86(4):501-5 (2002)

2000 Temozolomide and treatment of malignant glioma.

5 [10914698] Clin Cancer Res 6(7):2585-97 (2000)

2007 Temozolomide for the treatment of metastatic melanoma: a systematic review.

6 [17914081] Oncologist 12(9):1114-23 (2007)

2010 Temozolomide-induced shrinkage of a pituitary carcinoma causing Cushing's disease--report of a case and literature review.

7 [21057727] ScientificWorldJournal 10(-):2132-8 (2010)

2008 IFN-beta sensitizes neuroblastoma to the antitumor activity of temozolomide by modulating O6-methylguanine DNA methyltransferase expression.

8 [19056675] Mol Cancer Ther 7(12):3852-8 (2008)

2008 Interleukin-24 overcomes temozolomide resistance and enhances cell death by down-regulation of O6-methylguanine-DNA methyltransferase in human melanoma cells.

9 [19056673] Mol Cancer Ther 7(12):3842-51 (2008)

2007 Temozolomide for the treatment of metastatic melanoma.

10 [17576461] Curr Oncol 14(1):27-33 (2007)

Temper tantrum			
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2008 Temper tantrums in healthy versus depressed and disruptive preschoolers: defining
1 tantrum behaviors associated with clinical problems.
[18154912] J Pediatr 152(1):117-22 (2008)

Tempol	12572	Tempol
AMP activated protein kinase	ERS UFR (Diseases)	Metformin
Atherosclerosis (BASKET)	ERS UFR (Pharmacology)	Redox (BASKET)
Chaperone (Pharmacological)	ERS UFR (Toxicologie)	SERCA
Endothelial dysfunction	Lipoprotein (OxLDL)	Statin
		Tauroursodeoxycholic acid tchemchaperone
		Tempol

2008 Chemistry and antihypertensive effects of tempol and other nitroxides.
1 [19112152] Pharmacol Rev 60(4):418-69 (2008)
2010 Effects of tempol and redox-cycling nitroxides in models of oxidative stress.
2 [20153367] Pharmacol Ther 126(2):119-45 (2010)
2010 Reduction of AMP-activated protein kinase alpha2 increases endoplasmic reticulum stress and atherosclerosis in vivo.
3 [20124121] Circulation 121(6):792-803 (2010)
2010 Activation of AMP-activated protein kinase inhibits oxidized LDL-triggered endoplasmic reticulum stress in vivo.
4 [20299472] Diabetes 59(6):1386-96 (2010)

CNS (Brain map)	Learning and memory (Neurophysiology)	Temporal lobe	
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2007 The Enigmatic temporal pole: a review of findings on social and emotional processing.
1 [17392317] Brain 130(Pt 7):1718-31 (2007)
2007 The medial temporal lobe and recognition memory.
2 [17417939] Annu Rev Neurosci 30(-):123-52 (2007)

Arthritis (juvenile idiopathic)	Synovia (BASKET)	Whiplash injury	
Regeneration of tissues and other biologic structures	Temporomandibular joint		

1998 Temporomandibular disorders: a clinical update.

1 [9665905] BMJ 317(7152):190-4 (1998)

2008 Temporomandibular disorders: a term past its time?

2 [18245672] J Am Dent Assoc 139(2):124-8 (2008)

2007 Predoctoral teaching of temporomandibular disorders: a survey of U.S. and Canadian dental schools.

3 [17272380] J Am Dent Assoc 138(2):231-7 (2007)

2006 The clinical usefulness of surface electromyography in the diagnosis and treatment of temporomandibular disorders.

4 [16803805] J Am Dent Assoc 137(6):763-71 (2006)

2005 Malocclusion associated with osteocartilaginous loose bodies of the temporomandibular joint.

5 [15884318] J Am Dent Assoc 136(4):484-9 (2005)

1998 Whiplash and temporomandibular disorders: a critical review.

6 [9854925] J Am Dent Assoc 129(12):1739-45 (1998)

1997 Identifying undiagnosed rheumatic disorders among patients with TMD.

7 [9188231] J Am Dent Assoc 128(6):738-44 (1997)

1996 Management of temporomandibular disorders. National Institutes of Health Technology Assessment Conference Statement.

8 [8952234] J Am Dent Assoc 127(11):1595-606 (1996)

1995 Treatment alternatives for patients with masticatory myofascial pain.

9 [7629347] J Am Dent Assoc 126(7):1030-9 (1995)

2003 Biomechanical behavior of the temporomandibular joint disc.

10 [12764076] Crit Rev Oral Biol Med 14(2):138-50 (2003)

1997 Epidemiology of temporomandibular disorders: implications for the investigation of etiologic factors.

11 [9260045] Crit Rev Oral Biol Med 8(3):291-305 (1997)

1989 Current status of temporomandibular joint imaging for the diagnosis of internal derangements.

12 [2646864] AJR Am J Roentgenol 152(4):697-705 (1989)

1990 Diagnostic imaging of the temporomandibular joint: recommendations for use of the various techniques.

13 [2105023] AJR Am J Roentgenol 154(2):319-22 (1990)

2006 MR imaging of temporomandibular joint dysfunction: a pictorial review.

14 [16702453] Radiographics 26(3):765-81 (2006)

2003 Cross-sectional and functional imaging of the temporomandibular joint: radiology, pathology, and basic biomechanics of the jaw.

15 [12920179] Radiographics 23(6):e14 (2003)

1989 Temporomandibular joint imaging.

16 [2643133] Radiology 170(2):297-307 (1989)

1999 SAPHO syndrome of the temporomandibular joint associated with sudden deafness.

17 [10369364] AJNR Am J Neuroradiol 20(5):902-5 (1999)

2007 Dynamic sagittal half-Fourier acquired single-shot turbo spin-echo MR imaging of the temporomandibular joint: initial experience and comparison with sagittal oblique proton-attenuation images.

18 [17569972] AJNR Am J Neuroradiol 28(6):1126-32 (2007)

2007 CT-guided percutaneous steroid injection for management of inflammatory arthropathy of the temporomandibular joint in children.

19 [17179362] AJR Am J Roentgenol 188(1):182-6 (2007)

2007 Perspectives on the influence of "Arthrotomography of the temporomandibular joint".

20 [17515375] AJR Am J Roentgenol 188(6):1553-4 (2007)

2010 Efficacy of eminectomy in the treatment of prolonged mandibular dislocation.

21 [20526274] Med Oral Patol Oral Cir Bucal 15(6):e891-4 (2010)

2007 Review of temporomandibular joint pathology. Part I: classification, epidemiology and risk factors.

22 [17664915] Med Oral Patol Oral Cir Bucal 12(4):E292-8 (2007)

2005 Temporomandibular disorders: referred cranio-cervico-facial clinic.

23 [15800464] Med Oral Patol Oral Cir Bucal 10 Suppl 1(-):E18-26 (2005)

2008 A review of temporomandibular joint disease (TMJD). Part II: Clinical and radiological semiology. Morbidity processes.

24 [18223525] Med Oral Patol Oral Cir Bucal 13(2):E102-9 (2008)

2005 Temporomandibular joint disorder and other medically unexplained symptoms in rheumatoid arthritis, osteoarthritis, and fibromyalgia.

25 [16331751] J Rheumatol 32(12):2288-90 (2005)

2010 Orofacial injuries due to trauma following motor vehicle collisions: part 2.

26 [21167088] J Can Dent Assoc 76(-):a172 (2010)

2006 Temporomandibular joint arthrocentesis: evaluation of results and review of the literature.

27 [17221055] Braz J Otorhinolaryngol 72(5):634-8 (2006)

- 2007 Methods of imaging in the diagnosis of temporomandibular joint disorders.**
28 [\[17690757\] Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub 151\(1\):133-6 \(2007\)](#)
- 2009 Etiopathogenesis of disk displacement of the temporomandibular joint: a review of the mechanisms.**
29 [\[19553725\] Indian J Dent Res 20\(2\):212-21 \(2009\)](#)
- 2009 The temporomandibular joint in juvenile idiopathic arthritis: frequently used and frequently arthritic.**
30 [\[19480670\] Pediatr Rheumatol Online J 7\(-\):11 \(2009\)](#)
- 2006 A systematic review of the effectiveness of exercise, manual therapy, electrotherapy, relaxation training, and biofeedback in the management of temporomandibular disorder.**
31 [\[16813476\] Phys Ther 86\(7\):955-73 \(2006\)](#)
- 2005 Stabilization splint therapy for the treatment of temporomandibular myofascial pain: a systematic review.**
32 [\[16275687\] J Dent Educ 69\(11\):1242-50 \(2005\)](#)
- 2008 TMJ disorders: future innovations in diagnostics and therapeutics.**
33 [\[18676802\] J Dent Educ 72\(8\):930-47 \(2008\)](#)
- 2008 Principles of cartilage tissue engineering in TMJ reconstruction.**
34 [\[18298824\] Head Face Med 4\(-\):3 \(2008\)](#)
- 2009 The relationship of whiplash injury and temporomandibular disorders: a narrative literature review.**
35 [\[19948308\] J Chiropr Med 8\(4\):171-86 \(2009\)](#)
- 2005 Neural mechanisms of temporomandibular joint and masticatory muscle pain: a possible role for peripheral glutamate receptor mechanisms.**
36 [\[16175250\] Pain Res Manag 10\(3\):145-52 \(2005\)](#)
- 2003 Synovial membrane in the temporomandibular joint--its morphology, function and development.**
37 [\[14692685\] Arch Histol Cytol 66\(4\):289-306 \(2003\)](#)

Bevacizumab ttVEGF	Leukemia (chronic lymphatic)	Protein kinase C beta	Temezirolimus
Enzastaurin	Lymphoma (B cell diffuse large)	Ridaforolimus ttMTOR	
Everolimus		Sorafenib	
Fostamatinib	Lymphoma (BASKET)	Sunitinib	
Kidney (Neoplasm)	MTOR	Syk	
	Pazopanib		

2010 Bevacizumab, sorafenib tosylate, sunitinib and temsirolimus for renal cell carcinoma: a systematic review and economic evaluation.

1 [20028613] Health Technol Assess 14(2):1-184, iii-iv (2010)

2008 Temsirolimus in metastatic renal cell carcinoma.

2 [18504249] Ann Oncol 19(8):1369-70 (2008)

2008 Temsirolimus safety profile and management of toxic effects in patients with advanced renal cell carcinoma and poor prognostic features.

3 [18385198] Ann Oncol 19(8):1387-92 (2008)

2008 mTORC1 inhibitors: is temsirolimus in renal cancer telling us how they really work?

4 [18797463] Br J Cancer 99(8):1197-203 (2008)

2008 Temsirolimus, an inhibitor of mammalian target of rapamycin.

5 [18316545] Clin Cancer Res 14(5):1286-90 (2008)

2010 Signal transduction inhibitor therapy for lymphoma.

6 [21239804] Hematology Am Soc Hematol Educ Program 2010(-):265-70 (2010)

2010 Targeted therapy for renal cell cancer: current perspectives.

7 [21122471] Discov Med 10(54):394-405 (2010)

2010 FDA approval summary: temsirolimus as treatment for advanced renal cell carcinoma.

8 [20332142] Oncologist 15(4):428-35 (2010)

2010 Targeted therapy in lymphoma.

9 [21092307] J Hematol Oncol 3(-):45 (2010)

2009 Targeting tumorigenesis: development and use of mTOR inhibitors in cancer therapy.

10 [19860903] J Hematol Oncol 2(-):45 (2009)

Adherens junction	SPARC	Thrombospondin	
Blood vessels (Permeability)	Tenascin	Wound healing	

2000 The tenascin family of ECM glycoproteins: structure, function, and regulation during embryonic development and tissue remodeling.
1 [10842355] Dev Dyn 218(2):235-59 (2000)

2004 Joint hypermobility syndromes: the pathophysiologic role of tenascin-X gene defects.
2 [15457441] Arthritis Rheum 50(9):2742-9 (2004)

2005 Meet the tenascins: multifunctional and mysterious.
3 [15932878] J Biol Chem 280(29):26641-4 (2005)

1992 Tenascin: an extracellular matrix protein involved in morphogenesis of epithelial organs.
4 [1374137] Kidney Int 41(3):629-31 (1992)

2006 [Strategy study of harvesting total facial flap and donor choice for allograft transplantation in cadaver].
5 [17144444] Zhonghua Zheng Xing Wai Ke Za Zhi 22(5):331-3 (2006)

2011 Advances in tenascin-C biology.
6 [21818551] Cell Mol Life Sci 68(19):3175-99 (2011)

2009 The counteradhesive proteins, thrombospondin 1 and SPARC/osteonectin, open the tyrosine phosphorylation-responsive paracellular pathway in pulmonary vascular endothelia.
7 [18952113] Microvasc Res 77(1):13-20 (2009)

Tender points

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Tender Points

Changes in terminology	Myalgic encephalomyelitis AKA Fibromyalgia	Tender points	
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2011 **Fibromyalgia: an afferent processing disorder leading to a complex pain generalized syndrome.**
1 [21412381] Pain Physician 14(2):E217-45 (2011)

Tendon (Imaging)	12578	Sehne (Bildgebung)	
Tendon (Imaging)			

1990 **The current role of tenography and bursography.**
 1 [\[2104696\] AJR Am J Roentgenol 154\(1\):129-33 \(1990\)](#)

Tendon (Traumatology)			
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2008 Extensor-tendons reconstruction using autogenous palmaris longus tendon grafting for
rheumatoid arthritis patients.
1 [18435845] J Orthop Surg Res 3(-):16 (2008)

Regeneration of tissues and other biologic structures	Tendon		
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- 2009 Efficacy and safety of steroid injections for shoulder and elbow tendonitis: a meta-analysis of randomised controlled trials.**
1 [19054817] *Ann Rheum Dis* 68(12):1843-9 (2009)
- 2009 Pathogenesis of tendinopathies: inflammation or degeneration?**
2 [19591655] *Arthritis Res Ther* 11(3):235 (2009)
- 2008 The basic science of tendinopathy.**
3 [18478310] *Clin Orthop Relat Res* 466(7):1528-38 (2008)
- 2008 Molecular and clinical developments in tendinopathy: editorial comment.**
4 [18459029] *Clin Orthop Relat Res* 466(7):1519-20 (2008)
- 2008 Successful management of tendinopathy with injections of the MMP-inhibitor aprotinin.**
5 [18449616] *Clin Orthop Relat Res* 466(7):1625-32 (2008)
- 2008 Treatment of tendinopathy: what works, what does not, and what is on the horizon.**
6 [18446422] *Clin Orthop Relat Res* 466(7):1539-54 (2008)
- 2002 The vasculature and its role in the damaged and healing tendon.**
7 [12106496] *Arthritis Res* 4(4):252-60 (2002)
- 2000 Sonographic imaging of tendons.**
8 [10817548] *Arthritis Rheum* 43(5):969-76 (2000)
- 2006 Biology of tendon injury: healing, modeling and remodeling.**
9 [16849830] *J Musculoskelet Neuronal Interact* 6(2):181-90 (2006)
- 2005 Structure, function and adaptation of bone-tendon and bone-ligament complexes.**
10 [15788869] *J Musculoskelet Neuronal Interact* 5(1):35-40 (2005)
- 2005 Tendon proteoglycans: biochemistry and function.**
11 [15788868] *J Musculoskelet Neuronal Interact* 5(1):22-34 (2005)
- 2005 Development of tendon structure and function: regulation of collagen fibrillogenesis.**
12 [15788867] *J Musculoskelet Neuronal Interact* 5(1):5-21 (2005)
- 2004 What happens when tendons bend and twist? Proteoglycans.**
13 [15615127] *J Musculoskelet Neuronal Interact* 4(2):202-3 (2004)
- 2004 Ligament structure, physiology and function.**
14 [15615126] *J Musculoskelet Neuronal Interact* 4(2):199-201 (2004)
- 2006 Current concepts in the management of tendon disorders.**
15 [16490749] *Rheumatology (Oxford)* 45(5):508-21 (2006)
- 2004 The pathogenesis of tendinopathy. A molecular perspective.**
16 [12867575] *Rheumatology (Oxford)* 43(2):131-42 (2004)
- 2011 Tendon phenotype should dictate tissue engineering modality in tendon repair: a review.**
17 [21794211] *Discov Med* 12(62):75-84 (2011)
- 2008 Structure-function relationships in tendons: a review.**
18 [18304204] *J Anat* 212(3):211-28 (2008)
- 2011 Involvement of proteoglycans in tendinopathy.**
19 [21625045] *J Musculoskelet Neuronal Interact* 11(2):86-93 (2011)
- 2010 The development and morphogenesis of the tendon-to-bone insertion - what development can teach us about healing -.**
20 [20190378] *J Musculoskelet Neuronal Interact* 10(1):35-45 (2010)

Tenecteplase	12581	Tenecteplase
Heart (Coronary heart disease BASKET)	Tenecteplase	

2009 Review of tenecteplase (TNKase) in the treatment of acute myocardial infarction.

1 [19436656] Vasc Health Risk Manag 5(1):249-56 (2009)

Tenidap

12582

Tenidap

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Tennis elbow			
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1995 Overuse syndromes and injuries involving the elbow: MR imaging findings.

1 [7717233] AJR Am J Roentgenol 164(5):1205-11 (1995)

1992 Sonography of the elbow in infants and children.

2 [1529851] AJR Am J Roentgenol 159(4):829-33 (1992)

Adefovir dipivoxil Hepatitis B	Kidney (Toxicology) Tenofovir		
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2006 Tenofovir disoproxil fumarate: role in hepatitis B treatment.

1 [16871562] Hepatology 44(2):309-13 (2006)

2008 Tenofovir nephrotoxicity: focusing research questions and putting them into clinical context.

2 [18171278] J Infect Dis 197(1):7-9 (2008)

2010 Tenofovir disoproxil fumarate for the treatment of chronic hepatitis B infection.

3 [20507800] Health Technol Assess 14 Suppl 1(-):23-9 (2010)

2011 Comparison of the efficacy of tenofovir and adefovir in the treatment of chronic hepatitis B: a systematic review.

4 [21388525] Virol J 8(-):111 (2011)

2010 Efficacy and safety of tenofovir disoproxil fumarate in patients with chronic hepatitis B.

5 [21180595] Therap Adv Gastroenterol 3(2):107-19 (2010)

alpha8 beta1 integrin	Tensegrin		
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2010 Tensegrin in context: Dual role of $\alpha 8$ integrin in the migration of different cell types.
1 [20543583] Cell Adh Migr 4(4):485-90 (2010)

Tenuivirus			
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1994 Molecular biology of tenuiviruses, a remarkable group of plant viruses.
1 [8126445] J Gen Virol 75 (Pt 3)(-):467-75 (1994)

TEP1

12587

TEP1

MVP	TEP1	Vaults	
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2011 MVP and vaults: a role in the radiation response.
1 [22040803] Radiat Oncol 6(-):148 (2011)

81C6 ttTenascin	Daclizumab ttIL2R	Mepolizumab ttIL5	Reslizumab ttIL5
Abatacept ttCTLA4Conjugate	Dalotuzumab ttIGF1R	Motavizumab ttRSVirus	Rilonacept ttIL1R
Abciximab ttGPIIAIIIB	Denosumab ttRANKL	MuromonabCD3 ttCD3	Rituximab ttCD20
Adalimumab ttTNFalpha	Diabetes mellitus T1DM (Type1)	Naptumomab estafenatox tt5T4	Solanezumab ttAmyloidBeta
AIN457	Eculizumab ttFactorH	Natalizumab ttIntegralpha4	T1H ttCD6
Alemtuzumab ttCD52	Efalizumab ttLFA1	Necitumumab ttEGFR	Tanezumab ttNGF
AMG386 ttAngiopoietin1 ttAngiopoietin2	Epratuzumab ttCD22	Nimotuzumab ttEGFR	Teplizumab ttCD3
Antibodies (therapeutic use)	Etanercept ttTNFalpha	Obinutuzumab ttCD20	Tocilizumab ttIL6
Atacept ttBlys ttAPRIL	FactorIXFc ttFactorIX	Ocrelizumab ttCD20	Tositumomab ttCD20
Bapineuzumab ttAmyloidBeta	FactorVIIIc ttFactorVIII	Ofatumumab ttCD20	Trastuzumab emtansine ttHER2
Basiliximab ttIL2R	Farletuzumab ttFolateRalpha	Omalizumab ttCD20	Trastuzumab ttHER2
Belatacept ttCD80 ttCD86	Figitumumab ttIGF1R	Otelixizumab ttCD3	Tremelimumab ttCLTA4
Belimumab ttBLYS	Galiximab ttCD80	Pagibaximab ttLipoteichoicAcidStaphlococcus	Ustekinumab ttIL12 ttIL23
Bevacizumab ttVEGF	Gemtuzumab ozogamicin ttCD33	Palivizumab ttRSVirusFprotein	Vedolizumab ttIntegrina4b7
Brentuximab vedotin ttCD30	Girentuximab ttCarbomicAnhydraseIX	Panitumomab ttEGFR	Zalutumumab ttEGFR
Briakinumab ttIL12 ttIL23	Golimumab ttTNFalpha	Pertuzumab ttHER2	Zanulimumab ttCD4
Canakinumab ttIL1beta	Ibritumomab tiuxentan yttrium ttCD20	Ramucirumab ttVEGFR2	
Catumaxomab ttEpCAM ttCD3 linkerAb	Infliximab ttTNFalpha	Ranibizumab ttVEGF	
Certolizumab ttTNFalpha	Inotuzumab ozogamicin ttCD22	Raxibacumab ttAnthrax	
Cetuximab ttEGFR	Ipilimumab ttCTLA4	REGN88 ttIL6R	

2011 Antibody-based therapeutics to watch in 2011.

1 [21051951] Mabs 3(1):76-99 (2011)

2010 Antibodies to watch in 2010.

2 [20065640] Mabs 2(1):84-100 (2010)

2010 Teplizumab therapy for type 1 diabetes.

3 [20095914] Expert Opin Biol Ther 10(3):459-65 (2010)

Amonafide AS1413 ttIntercalator	BehenoylaraC ttProdrugAraC	Leukemia (acute myeloic)	Tipifarnib
ARRY520 ttKSP	Clofarabine	Ribavirin	Voreloxin ttIntercalator
Azacitidine	Decitabine	Sapacitabine	Vorinostat ttHDAC
AZD1152 ttAuroraB	Elacytarabine	Sorafenib	
AZD6244 ttMEK	KSP Kinesin spindle protein	Terameprocol ttSurvivin ttCDK1	

2010 Novel agents and regimens for acute myeloid leukemia: 2009 ASH annual meeting highlights.

1 [20416083] J Hematol Oncol 3(-):17 (2010)

Addiction (BASKET)	Data base (Medicine Biology Pharmacology)	Folic acid	Thyroxine
Aids	Diabetes mellitus (Child of diabetic mother)	Influenza	Virus (BASKET)
Alcohol		Insemination (Artificial)	Zidovudine
Anticonvulsive agents	Dioxin	Nicotine	
Cleft plate	Endocrine disruptor	RAAS (ACE inhibitor)	
CNS (Development)	Epigenetics	Teratogenesis	
	Fetal alcohol syndrome		

1993 Effects of in utero exposure to street drugs.

1 [7504891] Am J Public Health 83 Suppl(-):1-32 (1993)

1977 [Alcohol politics. Alcohol consumption, alcohol prices, delirium tremens and alcoholism as cause of death].

2 [854997] Ugeskr Laeger 139(18):1089-96 (1977)

2004 Structural effects and neurofunctional sequelae of developmental exposure to psychotherapeutic drugs: experimental and clinical aspects.

3 [15001664] Pharmacol Rev 56(1):103-47 (2004)

1974 Influenza infections during pregnancy: association with congenital malformations and with subsequent neoplasms in children, and potential hazards of live virus vaccines.

4 [4613341] Bacteriol Rev 38(4):356-70 (1974)

1973 Viral teratology.

5 [4369438] Bacteriol Rev 37(1):19-31 (1973)

1952 Overripeness of the egg as a cause of twinning and teratogenesis: a review.

6 [12998039] Cancer Res 12(11):763-86 (1952)

2005 Cerebral MR imaging in uninfected children born to HIV-seropositive mothers and perinatally exposed to zidovudine.

7 [15814907] AJNR Am J Neuroradiol 26(4):695-701 (2005)

2005 Perinatal exposure to antiretroviral agents: risks and benefits.

8 [15814903] AJNR Am J Neuroradiol 26(4):689-92 (2005)

2005 A new challenge for the neuroradiologist: MR recognition of mitochondrial dysfunction in children born of HIV-seropositive mothers on antiretroviral therapy.

9 [15814902] AJNR Am J Neuroradiol 26(4):687-9 (2005)

2010 A review of the effects of prenatal cocaine exposure among school-aged children.

10 [20142293] Pediatrics 125(3):554-65 (2010)

2010 Teratogenic mechanisms of medical drugs.

11 [20061329] Hum Reprod Update 16(4):378-94 (2010)

2011 Maternal smoking in pregnancy and birth defects: a systematic review based on 173 687 malformed cases and 11.7 million controls.

12 [21747128] Hum Reprod Update 17(5):589-604 (2011)

2009 Neuroimaging of children following prenatal drug exposure.

13 [19560049] Semin Cell Dev Biol 20(4):441-54 (2009)

2008 Follow-up of children exposed antenatally to immunosuppressive drugs.

14 [18504283] Rheumatology (Oxford) 47 Suppl 3(-):iii32-4 (2008)

2008 Update on safety during pregnancy of biological agents and some immunosuppressive anti-rheumatic drugs.

15 [18504282] Rheumatology (Oxford) 47 Suppl 3(-):iii28-31 (2008)

2006 Major congenital malformations after first-trimester exposure to ACE inhibitors.

16 [16760444] N Engl J Med 354(23):2443-51 (2006)

2002 Where the boys aren't: dioxin and the sex ratio.

17 [11781158] Environ Health Perspect 110(1):1-3 (2002)

2009 The dynamic effects of nicotine on the developing brain.

18 [19268688] Pharmacol Ther 122(2):125-39 (2009)

2008 Prenatal nicotine exposure and development of nicotinic and fast amino acid-mediated neurotransmission in the control of breathing.

19 [18585984] Respir Physiol Neurobiol 164(1-2):80-6 (2008)

2005 Alcohol teratogenesis: mechanisms of damage and strategies for intervention.

20 [15956769] Exp Biol Med (Maywood) 230(6):394-406 (2005)

2005 Animal model systems for the study of alcohol teratology.

21 [15956768] Exp Biol Med (Maywood) 230(6):389-93 (2005)

2005 Assisted reproductive technologies and the risk of birth defects--a systematic review.

22 [15567881] Hum Reprod 20(2):328-38 (2005)

2011 Thyroid hormones and fetal neurological development.

23 [21212091] J Endocrinol 209(1):1-8 (2011)

2009 Prenatal exposure to drugs: effects on brain development and implications for policy and education.

24 [19277053] Nat Rev Neurosci 10(4):303-12 (2009)

2002 Endocrine disruptors and congenital anomalies.

25 [11923883] Cad Saude Publica 18(2):421-8 (2002)

2002 Chemical exposure during pregnancy and oral clefts in newborns.

26 [11910421] Cad Saude Publica 18(1):17-31 (2002)

2010 Folate protection from congenital heart defects linked with canonical Wnt signaling and epigenetics.

27

[20844350] *Curr Opin Pediatr* 22(5):561-6 (2010)

2010 **Environmental exposures and development.**

28 [20216314] *Curr Opin Pediatr* 22(2):208-18 (2010)

2010 **Structural, metabolic, and functional brain abnormalities as a result of prenatal exposure to drugs of abuse: evidence from neuroimaging.**

29 [20978945] *Neuropsychol Rev* 20(4):376-97 (2010)

2009 **Cognitive abilities and behaviour of children exposed to antiepileptic drugs in utero.**

30 [19532040] *Curr Opin Neurol* 22(2):162-6 (2009)

2010 **Environmental epigenetics.**

31 [20179736] *Heredity (Edinb)* 105(1):105-12 (2010)

2011 **Diabetic embryopathy: a role for the epigenome?**

32 [21538816] *Birth Defects Res A Clin Mol Teratol* 91(8):770-80 (2011)

2010 **Epigenomic disruption: the effects of early developmental exposures.**

33 [20568270] *Birth Defects Res A Clin Mol Teratol* 88(10):938-44 (2010)

2008 **Review on genetic variants and maternal smoking in the etiology of oral clefts and other birth defects.**

34 [18383123] *Birth Defects Res C Embryo Today* 84(1):16-29 (2008)

2010 **Long-term consequences of fetal and neonatal nicotine exposure: a critical review.**

35 [20363831] *Toxicol Sci* 116(2):364-74 (2010)

2005 **Developmental toxicology evaluations--issues with including neurotoxicology and immunotoxicology assessments in reproductive toxicology studies.**

36 [16120748] *Toxicol Sci* 88(1):24-9 (2005)

2010 **Developmental neurotoxicity study of dietary bisphenol A in Sprague-Dawley rats.**

37 [20164145] *Toxicol Sci* 115(1):167-82 (2010)

2009 **Profiling the reproductive toxicity of chemicals from multigeneration studies in the toxicity reference database.**

38 [19363143] *Toxicol Sci* 110(1):181-90 (2009)

2011 **Early developmental actions of endocrine disruptors on the hypothalamus, hippocampus, and cerebral cortex.**

39 [21790315] *J Toxicol Environ Health B Crit Rev* 14(5-7):328-45 (2011)

2010 **Genotoxic and carcinogenic effects of gastrointestinal drugs.**

40 [20478972] *Mutagenesis* 25(4):315-26 (2010)

TERC	12591	TERC
Dyskeratosis congenita	NOP10	Telomere
Dyskerin	Shelterin	TERC
NHP2	Telomerase	TERT
		TIN2
		TINF2

2009 Dyskeratosis congenita, stem cells and telomeres.
 1 [\[19419704\] Biochim Biophys Acta 1792\(4\):371-9 \(2009\)](#)
2011 Differences in disease severity but similar telomere lengths in genetic subgroups of patients with telomerase and shelterin mutations.
 2 [\[21931702\] PLoS One 6\(9\):e24383 \(2011\)](#)

Alemtuzumab ttCD52	Daclizumab ttIL2R	Immunopharmacology	Rituximab ttCD20
BG 12	Fingolimod	Laquinimod	Teriflunomide
Cladribine	Fumarate	Multiple sclerosis	

2009 Review of teriflunomide and its potential in the treatment of multiple sclerosis.

1 [\[19557143\] Neuropsychiatr Dis Treat 5\(-\):333-40 \(2009\)](#)

2011 Development of oral immunomodulatory agents in the management of multiple sclerosis.

2 [\[21625416\] Drug Des Devel Ther 5\(-\):255-74 \(2011\)](#)

2010 New approaches in the management of multiple sclerosis.

3 [\[21151622\] Drug Des Devel Ther 4\(-\):343-66 \(2010\)](#)

Alendronate	Osteoporosis	Risedronate	
Etidronate	Raloxifene	Teriparatide	

2007 Teriparatide in the management of osteoporosis.

1 [18225450] Clin Interv Aging 2(4):499-507 (2007)

A systematic review and economic evaluation of alendronate, etidronate, risedronate, raloxifene and teriparatide for the prevention and treatment of postmenopausal osteoporosis.

2 [15929857] Health Technol Assess 9(22):1-160 (2005)

2003 Recombinant human PTH 1-34 (Forteo): an anabolic drug for osteoporosis.

3 [12882381] Cleve Clin J Med 70(7):585-6, 589-90, 592-4 passim (2003)

2010 The use of PTH in the treatment of osteoporosis.

4 [20485911] Arq Bras Endocrinol Metabol 54(2):213-9 (2010)

2008 Osteoporosis in men: its pathophysiology and the role of teriparatide in its treatment.

5 [19281056] Clin Interv Aging 3(4):635-45 (2008)

2010 Role of teriparatide in treatment of glucocorticoid-induced osteoporosis.

6 [21063460] Ther Clin Risk Manag 6(-):497-503 (2010)

2008 Teriparatide (recombinant human parathyroid hormone 1-34) in postmenopausal women with osteoporosis: systematic review.

7 [19099162] Sao Paulo Med J 126(5):279-84 (2008)

2004 Treatment of osteoporosis with Teriparatide rhPTH(1-34).

8 [15758281] J Musculoskelet Neuronal Interact 4(4):406 (2004)

Gastrointestinal hemorrhage	Hepatorenal syndrome	Terlipressin	
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2006 Meta-analysis: terlipressin therapy for the hepatorenal syndrome.
1 [16948805] Aliment Pharmacol Ther 24(6):935-44 (2006)
2003 Systematic review: terlipressin in acute oesophageal variceal haemorrhage.
2 [12492732] Aliment Pharmacol Ther 17(1):53-64 (2003)

**Terminal osseous dysplasia with
pigmentary defects**

12595

**Terminal osseous dysplasia with
pigmentary defects**

Terminal osseous dysplasia with pigmentary defects			
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**Terminal osseous dysplasia with pigmentary defects (TODPD): Follow-up of the first
2010 reported family, characterization of the radiological phenotype, and refinement of the
1 linkage region.**

[20583181] [Am J Med Genet A 152A\(7\):1825-31 \(2010\)](#)

Termite	12596	Termiten
Termite		

2007
1
2008
2

Termites.

[18054770] Curr Biol 17(23):R995-9 (2007)

Termites, hemimetabolous diploid white ants?

[18822181] Front Zool 5(-):15 (2008)

Terpenoid			
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2007 A biomimetic approach to some specifically functionalized cyclic terpenoids.

1 [18071590] Acta Biochim Pol 54(4):679-93 (2007)

2003 An overview of the non-mevalonate pathway for terpenoid biosynthesis in plants.

2 [14517367] J Biosci 28(5):637-46 (2003)

Terrorism			
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2005 The psychological aspects of terrorism: from denial to hyperbole.
1 [16319440] J R Soc Med 98(12):557-62 (2005)
2005 The impact of terrorism on brain, and behavior: what we know and what we need to know.
2 [16012534] Neuropsychopharmacology 30(10):1773-80 (2005)
2005 Pathological responses to terrorism.
3 [16012535] Neuropsychopharmacology 30(10):1793-805 (2005)

Terson s syndrome		12599	Terson Syndrom
CNS (Deep brain stimulation)	Terson s syndrome		

2004 **A systematic review of Terson's syndrome: frequency and prognosis after subarachnoid haemorrhage.**
1 [14966173] J Neurol Neurosurg Psychiatry 75(3):491-3 (2004)
2003 **Chronic deep brain stimulation for the treatment of tremor in multiple sclerosis: review and case reports.**
2 [14570832] J Neurol Neurosurg Psychiatry 74(10):1392-7 (2003)

TERT		12600	TERT
Dyskeratosis congenita	NOP10	Telomere	TIN2
Dyskerin	Shelterin	TERC	TINF2
NHP2	Telomerase	TERT	

2009 Dyskeratosis congenita, stem cells and telomeres.
1 [19419704] *Biochim Biophys Acta* 1792(4):371-9 (2009)
2011 Differences in disease severity but similar telomere lengths in genetic subgroups of patients with telomerase and shelterin mutations.
2 [21931702] *PLoS One* 6(9):e24383 (2011)
2010 InTERTpreting telomerase structure and function.
3 [20460453] *Nucleic Acids Res* 38(17):5609-22 (2010)

Terutroban	12601	Terutroban	
AJW200	Elinogrel	Prasugrel	
ALX 0081	P2Y12	Terutroban	
ARC1779	PAR1	Ticagrelor	
Cangrelor	Platelets (Therapeutic inhibitors)	Von Willebrand s factor	

2010 Pharmacokinetic, pharmacodynamic and clinical profile of novel antiplatelet drugs targeting vascular diseases.
1 [20050853] Br J Pharmacol 159(3):502-17 (2010)

Aleglitazar	Fenofibrate	Muraglitazar	Receptor (PPAR delta)
Bezafibrate	Fibrate	NR1C1 PPAR alpha	Receptor (PPAR gamma)
Ciprofibrate	Gemfibrozil	Ragaglitazar	Tesaglitazar
Clofibrate	Imiglitazar	Receptor (PPAR beta)	

2011 Medicinal Chemistry and Actions of Dual and Pan PPAR Modulators.

1 [21966330] Open Med Chem J 5(Suppl 2):93-8 (2011)

Tesofensine ttNE ttDopamine ttSerotonin		12603	Tesofensine ttNE ttDopamine ttSerotonin	
Tesofensine ttNE ttDopamine ttSerotonin				

2008 **Weight loss produced by tesofensine in patients with Parkinson's or Alzheimer's disease.**

1 [\[18356831\]](#) Obesity (Silver Spring) 16(6):1363-9 (2008)

Ectoplasmic specialization	Spermatogenesis and spermatozoon	Testis (Sertoli cell)	
Leydig cell	Testis (Anatomy)	Transporter (BASKET)	

2008 Biology and regulation of ectoplasmic specialization, an atypical adherens junction type, in the testis.

1 [18068662] Biochim Biophys Acta 1778(3):692-708 (2008)

2010 Tight junctions in the testis: new perspectives.

2 [20403874] Philos Trans R Soc Lond B Biol Sci 365(1546):1621-35 (2010)

2010 Claudin and occludin expression and function in the seminiferous epithelium.

3 [20403878] Philos Trans R Soc Lond B Biol Sci 365(1546):1679-96 (2010)

2010 Sertoli-germ cell junctions in the testis: a review of recent data.

4 [20403872] Philos Trans R Soc Lond B Biol Sci 365(1546):1593-605 (2010)

2010 Fetal Leydig cells: progenitor cell maintenance and differentiation.

5 [19875489] J Androl 31(1):11-5 (2010)

2011 Drug transporters, the blood-testis barrier, and spermatogenesis.

6 [21134990] J Endocrinol 208(3):207-23 (2011)

2006 The sertoli cell--a hormonal target and 'super' nurse for germ cells that determines testicular size.

7 [16804315] Horm Res 66(4):153-61 (2006)

Testis (Artificial organ)			
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2005 Efforts to create an artificial testis: culture systems of male germ cells under biochemical conditions resembling the seminiferous tubular biochemical environment.
1 [15817525] Hum Reprod Update 11(3):229-59 (2005)

Testis (Castration)	12606	Hoden (Kastrierung)	
Testis (Castration)			

2006 **Castration in male pigs: techniques and animal welfare issues.**
1 [\[17242482\] J Physiol Pharmacol 57 Suppl 8\(-\):189-94 \(2006\)](#)

17 alpha hydroxylase 17 20 lyase	ERROR	LHX3 Lim3	Receptor (LH)
3 beta hydroxysteroid dehydrogenase2	Folliculogenesis	LHX4	SOX9
3 beta hydroxysteroid dehydrogenase3	Frasier s syndrome	NR5A1 SF1	Spermatogenesis and spermatozoon
5 alpha Reductase	Hedgehog	Ovary (Development)	Sry
Adrenal gland (Hyperplasia congenital)	HESX1	P450 side chain cleavage	StAR
AMH	Hypophysis (Development)	Pituitary gland (Insufficiency Panhypopituitarism)	Steroid hormones (Synthesis)
AMHR2	Infertility	PROP1	Testis (Development)
Androgens (Hypogonadotropic hypogonadism)	INSL3 Insulin like 3 Relaxin like factor	Puberty (Delayed)	Thyroxine
Campomelic dysplasia	KAL	Receptor (Androgen)	WT1
DAX1 NR0B1	Kallmann s syndrome	Receptor (FSH)	
Denys Drash syndrome	Leptin	Receptor (GnRH)	

2002 Genetic causes of human reproductive disease.

1 [12050198] J Clin Endocrinol Metab 87(6):2447-54 (2002)

2011 Apoptosis in the germ line.

2 [21148286] Reproduction 141(2):139-50 (2011)

2010 Illuminating testis morphogenesis in the mouse.

3 [19875491] J Androl 31(1):5-10 (2010)

2008 The role of thyroid hormone in testicular development and function.

4 [18728126] J Endocrinol 199(3):351-65 (2008)

Ovary (Diseases)	Testis (Torsion)		
Testis (Diseases)	Testis and scrotum (Traumatology)		

2005 Gonadal dysfunction in systemic diseases.

1 [15817904] Eur J Endocrinol 152(4):501-13 (2005)

2007 A 19-year review of paediatric patients with acute scrotum.

2 [17461315] Scand J Surg 96(1):62-6 (2007)

2006 Polyorchidism: a case report and review of literature.

3 [17559037] Urol J 3(3):180-3 (2006)

2010 Chronic orchialgia: evaluation and discussion of treatment options.

4 [21789076] Ther Adv Urol 2(5-06):209-14 (2010)

2010 Clinical management of chronic testicular pain.

5 [20215814] Urol Int 84(2):125-31 (2010)

Arthritis (rheumatoid)	Gastrointestinal stromal cell tumor GIST	Lymphoma (Hodgkin)	Sarcoidosis
Bacillus calmette guerin	Histoplasmosis	Mycobacterium avium	Silicone
Bartonella henselae	Langerhans cell histiocytosis	Osteoarthritis	Slack skin disease
Calcium (Hypercalcemia)	Lepra	Ovary (Neoplasia)	Testis (Neoplasia Seminoma)
Candida (BASKET)	Liver (Diseases)	Paracoccidomycosis	Testis (Neoplasia)
Coccidioidomycosis	Lung (Lipoid pneumonia)	Pneumocystis carinii Pneumocystis jirovicii	Tuberculosis
Crohn s disease	Lung (Toxicology)	Polymyositis	Wegener s granulomatosis
Cryptococcosis	Lung and bronchial system (Neoplasia)	Pseudolymphoma (Lymphomatoid granulomatosis)	
Fat necrosis subcutaneous of the newborn	Lymphoma (BASKET)	Pseudolymphoma (Plasma cell granuloma)	

2010 Rare causes of calcitriol-mediated hypercalcemia: a case report and literature review.

1 [20427501] J Clin Endocrinol Metab 95(7):3111-7 (2010)

2010 Update on management of seminoma.

2 [20535292] Indian J Urol 26(1):82-91 (2010)

2009 Spermatocytic seminoma with rhabdomyosarcomatous differentiation: a case report with a review of the literature.

3 [19841567] J Cancer Res Ther 5(3):213-5 (2009)

2011 Pure seminoma: a review and update.

4 [21819630] Radiat Oncol 6(-):90 (2011)

Arthritis (rheumatoid)	Gastrointestinal stromal cell tumor GIST	Lymphoma (Extranodal Primary testicular)	Pseudolymphoma (Plasma cell granuloma)
Bacillus calmette guerin	Germ cell (Neoplasia)	Lymphoma (Extranodal Testis)	Sarcoidosis
Bartonella henselae	Histoplasmosis	Lymphoma (Hodgkin)	Silicone
Bladder (Neoplasia)	Kidney (Neoplasm)	Mycobacterium avium	Slack skin disease
Calcium (Hypercalcemia)	Langerhans cell histiocytosis	Osteoarthritis	Testis (Neoplasia Seminoma)
Candida (BASKET)	Lepra	Ovary (Neoplasia)	Testis (Neoplasia)
Coccidioidomycosis	Liver (Diseases)	Paracoccidiomycosis	Tuberculosis
Crohn s disease	Lung (Lipoid pneumonia)	Paratestis (Neoplasia)	Wegener s granulomatosis
Cryptococcosis	Lung (Toxicology)	Pneumocystis carinii Pneumocystis jirovicii	
Dementia (BASKET)	Lung and bronchial system (Neoplasia)	Polymyositis	
Fat necrosis subcutaneous of the newborn	Lymphoma (BASKET)	Pseudolymphoma (Lymphomatoid granulomatosis)	

1998 British urological surgery practice: 2. Renal, bladder and testis cancer.

1 [9598618] Br J Urol 81(4):513-7 (1998)

1998 Leydig cell hyperplasia.

2 [9488073] Br J Urol 81(2):282-9 (1998)

2008 Clinical and genetic aspects of testicular germ cell tumours.

3 [19715611] Hered Cancer Clin Pract 6(1):3-14 (2008)

2008 State-of-the-art approach in selective curable tumors: germ cell tumors.

4 [18790940] Ann Oncol 19 Suppl 7(-):vii161-5 (2008)

2008 Mixed or non-seminomatous germ-cell tumors: ESMO clinical recommendations for diagnosis, treatment and follow-up.

5 [18456768] Ann Oncol 19 Suppl 2(-):ii52-4 (2008)

2008 Testicular seminoma: ESMO clinical recommendations for diagnosis, treatment and follow-up.

6 [18456767] Ann Oncol 19 Suppl 2(-):ii49-51 (2008)

2007 Follow-up of successfully treated testicular cancer patients: consequences of the metabolic syndrome.

7 [17229771] Ann Oncol 18(2):211-2 (2007)

2005 Carcinoma in situ testis, the progenitor of testicular germ cell tumours: a clinical review.

8 [15821122] Ann Oncol 16(6):863-8 (2005)

1993 Detection and treatment of testicular cancer.

9 [8490756] CA Cancer J Clin 43(3):151-75 (1993)

2003 Syndromic aspects of testicular carcinoma.

10 [12569597] Cancer 97(4):984-92 (2003)

2004 Pathology of germ cell tumors of the testis.

11 [15625525] Cancer Control 11(6):374-87 (2004)

2002 Current status of retroperitoneal lymph node dissection and testicular cancer: when to operate.

12 [12228753] Cancer Control 9(4):277-83 (2002)

2007 Management of recurrent testicular germ cell tumors.

13 [17227900] Oncologist 12(1):51-61 (2007)

2008 Medical treatment of advanced testicular cancer.

14 [18270356] JAMA 299(6):672-84 (2008)

2002 From the archives of the AFIP: tumors and tumorlike lesions of the testis: radiologic-pathologic correlation.

15 [11796908] Radiographics 22(1):189-216 (2002)

2010 Testicular non-seminoma: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up.

16 [20555066] Ann Oncol 21 Suppl 5(-):v147-54 (2010)

2009 Testicular non-seminoma: ESMO clinical recommendations for diagnosis, treatment and follow-up.

17 [19454475] Ann Oncol 20 Suppl 4(-):89-96 (2009)

2010 Rare causes of calcitriol-mediated hypercalcemia: a case report and literature review.

18 [20427501] J Clin Endocrinol Metab 95(7):3111-7 (2010)

2007 Testis cancer.

19 [17916870] Postgrad Med J 83(984):624-32 (2007)

2007 Surveillance in testicular cancer: who, when, what and how?

20 [17964956] Cancer Imaging 7(-):145-7 (2007)

2007 Morphological approach to tumours of the testis and paratestis.

21 [17307866] J Clin Pathol 60(8):866-80 (2007)

- 2005 **Origins and molecular biology of testicular germ cell tumors.**
22 [15761466] *Mod Pathol* 18 Suppl 2(-):S51-60 (2005)
- 2005 **Germ cell tumors of the gonads: a selective review emphasizing problems in differential diagnosis, newly appreciated, and controversial issues.**
23 [15761467] *Mod Pathol* 18 Suppl 2(-):S61-79 (2005)
- 2005 **Selected other problematic testicular and paratesticular lesions: rete testis neoplasms and pseudotumors, mesothelial lesions and secondary tumors.**
24 [15502808] *Mod Pathol* 18 Suppl 2(-):S131-45 (2005)
- 2005 **Sex cord-stromal tumors of the ovary and testis: their similarities and differences with consideration of selected problems.**
25 [15502809] *Mod Pathol* 18 Suppl 2(-):S81-98 (2005)
- 2008 **Malignant germ cell tumours in the elderly: a histopathological review of 50 cases in men aged 60 years or over.**
26 [17975539] *Mod Pathol* 21(1):54-9 (2008)
- 2010 **Testicular cancer: current management and controversial issues.**
27 [20535288] *Indian J Urol* 26(1):63 (2010)
- 2010 **Intratubular germ cell neoplasms of the testis and bilateral testicular tumors: clinical significance and management options.**
28 [20535289] *Indian J Urol* 26(1):64-71 (2010)
- 2003 **Multimodality imaging of paratesticular neoplasms and their rare mimics.**
29 [14615558] *Radiographics* 23(6):1461-76 (2003)
- 2003 **From the archives of the AFIP: extratesticular scrotal masses: radiologic-pathologic correlation.**
30 [12533657] *Radiographics* 23(1):215-40 (2003)
- 2010 **Prepubertal testicular tumors: our 10 years experience.**
31 [20587905] *Indian J Cancer* 47(3):292-5 (2010)
- 2009 **Malignant lymphoma of the testis: a study of 12 cases.**
32 [19829735] *Can Urol Assoc J* 3(5):393-8 (2009)
- 2009 **Testicular cancer: a prototypic tumor of young adults.**
33 [19835738] *Semin Oncol* 36(5):432-8 (2009)
- 2011 **Saudi Oncology Society clinical management guidelines for testicular germ cell tumors.**
34 [21673848] *Urol Ann* 3 Suppl(-):S17-20 (2011)
- 2011 **Partial orchiectomy and testis intratubular germ cell neoplasia: World literature review.**
35 [21976922] *Urol Ann* 3(3):115-8 (2011)
- 2007 **Pseudoneoplastic lesions of the testis and paratesticular structures.**
36 [17805564] *Virchows Arch* 451(6):987-97 (2007)

Testis (Pathology)		12611	Hoden (Pathologie)
Infertility	Insemination (Artificial)	Testis (Pathology)	

2007 Histological evaluation of the human testis--approaches to optimizing the clinical value of the assessment: mini review.
1 [16887924] Hum Reprod 22(1):2-16 (2007)

Testis (Prosthesis)	12612	Hoden (Prothese)	
Testis (Prosthesis)			

2007 Testicular prostheses: development and modern usage.
1 [17535609] Ann R Coll Surg Engl 89(4):349-53 (2007)

Testis (Sertoli cell)		12613	Hoden (Sertolizelle)
Immune privilege	Testis (Sertoli cell)		
Testis (Anatomy)	Transporter (BASKET)		

2010 Immunoprotective sertoli cells: making allogeneic and xenogeneic transplantation feasible.

1 [19995832] *Reproduction* 139(3):495-504 (2010)

2011 Drug transporters, the blood-testis barrier, and spermatogenesis.

2 [21134990] *J Endocrinol* 208(3):207-23 (2011)

Fournier gangrene	Priapism	Testis (Torsion)	Urology
Paraphimosis	Testis (Diseases)	Testis and scrotum (Traumatology)	

2005 Best evidence topic report. Ultrasound in the diagnosis of testicular torsion.

1 [16046758] Emerg Med J 22(8):559-60 (2005)

1998 Neonatal testicular torsion.

2 [9883224] Br J Urol 82(6):855-8 (1998)

2011 Testicular torsion in children: a 20-year retrospective study in a single institution.

3 [21336452] ScientificWorldJournal 11(-):362-8 (2011)

2007 A 19-year review of paediatric patients with acute scrotum.

4 [17461315] Scand J Surg 96(1):62-6 (2007)

2010 New insights into perinatal testicular torsion.

5 [19856186] Eur J Pediatr 169(6):705-12 (2010)

2009 Non-traumatic urologic emergencies in men: a clinical review.

6 [20046251] West J Emerg Med 10(4):281-7 (2009)

Testis and Scrotum (acute)			
----------------------------	--	--	--

1984 The diagnosis and treatment of the acute scrotum in children and adolescents.

1 [6486916] Ann Surg 200(5):664-73 (1984)

Testis and scrotum (Imaging)			
---------------------------------	--	--	--

2007 US MR imaging correlation in pathologic conditions of the scrotum.
1 [17848688] Radiographics 27(5):1239-53 (2007)
1998 Diagnostic imaging for pediatric scrotal disorders.
2 [9672981] Radiographics 18(4):969-85 (1998)
1990 Subacute scrotal pain: evaluation of torsion versus epididymitis with MR imaging.
3 [2315504] Radiology 175(1):53-6 (1990)
2009 Imaging of the seminal vesicle and vas deferens.
4 [19605659] Radiographics 29(4):1105-21 (2009)

Testis and Scrotum (Sonography)			
------------------------------------	--	--	--

2010 Doppler applications in testicular and scrotal disease.

1 [21165453] Med Ultrason 12(1):43-51 (2010)

2009 Sonography of scrotal abnormalities in adults: an update.

2 [19263378] Diagn Interv Radiol 15(1):64-73 (2009)

2011 Role of color Doppler ultrasonography in evaluation of scrotal swellings: pattern of disease in 120 patients with review of literature.

3 [21404205] Urol J 8(1):60-5 (2011)

2002 Scrotal calcification: ultrasound appearances, distribution and aetiology.

4 [11932225] Br J Radiol 75(891):283-8 (2002)

AUUUA	Testis (Torsion)		
Testis (Diseases)	Testis and scrotum (Traumatology)		

2007 US of acute scrotal trauma: optimal technique, imaging findings, and management.

1 [17374858] Radiographics 27(2):357-69 (2007)

2008 Role of US in testicular and scrotal trauma.

2 [18936025] Radiographics 28(6):1617-29 (2008)

2007 A 19-year review of paediatric patients with acute scrotum.

3 [17461315] Scand J Surg 96(1):62-6 (2007)

2011 Mule bite to the male genitalia with complete penile and anterior urethra amputation: unusual case and review of the literature.

4 [22084804] ISRN Urol 2011(-):723154 (2011)

Alzheimer s disease	Calcium (Physiology renal)	Erectile dysfunction	Testosterone
Breathing (Neurophysiology)	Cardiovascular risk	Metabolic syndrome	TRPV5
Calbindin D28k	Diabetes mellitus T2DM (Type2)	Osteoporosis	

- 2009 The benefits and risks of testosterone replacement therapy: a review.**
1 [19707253] Ther Clin Risk Manag 5(3):427-48 (2009)
- 2007 Testosterone use in men with sexual dysfunction: a systematic review and meta-analysis of randomized placebo-controlled trials.**
2 [17285782] Mayo Clin Proc 82(1):20-8 (2007)
- 2007 Testosterone and cardiovascular risk in men: a systematic review and meta-analysis of randomized placebo-controlled trials.**
3 [17285783] Mayo Clin Proc 82(1):29-39 (2007)
- 2010 Testosterone deficiency syndrome (TDS) and the heart.**
4 [20400761] Eur Heart J 31(12):1436-7 (2010)
- 2006 Testosterone therapy in adult men with androgen deficiency syndromes: an endocrine society clinical practice guideline.**
5 [16720669] J Clin Endocrinol Metab 91(6):1995-2010 (2006)
- 2006 Testosterone use in men and its effects on bone health. A systematic review and meta-analysis of randomized placebo-controlled trials.**
6 [16720668] J Clin Endocrinol Metab 91(6):2011-6 (2006)
- 2006 Testosterone: use, misuse and abuse.**
7 [17137434] Med J Aust 185(8):436-9 (2006)
- 2004 11: Androgen deficiency and replacement therapy in men.**
8 [15139833] Med J Aust 180(10):529-35 (2004)
- 2009 The dark side of testosterone deficiency: I. Metabolic syndrome and erectile dysfunction.**
9 [18641413] J Androl 30(1):10-22 (2009)
- 2009 The dark side of testosterone deficiency: II. Type 2 diabetes and insulin resistance.**
10 [18772488] J Androl 30(1):23-32 (2009)
- 2009 The dark side of testosterone deficiency: III. Cardiovascular disease.**
11 [19342698] J Androl 30(5):477-94 (2009)
- 2009 The emerging link between hypogonadism and metabolic syndrome.**
12 [18772486] J Androl 30(4):370-6 (2009)
- 2007 Testosterone replacement therapy for older men.**
13 [18225456] Clin Interv Aging 2(4):561-6 (2007)
- 2007 The many faces of testosterone.**
14 [18225457] Clin Interv Aging 2(4):567-76 (2007)
- 2007 Testosterone depot injection in male hypogonadism: a critical appraisal.**
15 [18225458] Clin Interv Aging 2(4):577-90 (2007)
- 2008 Sex steroidal hormones and respiratory control.**
16 [18599386] Respir Physiol Neurobiol 164(1-2):213-21 (2008)
- 2008 Androgen regulation of beta-amyloid protein and the risk of Alzheimer's disease.**
17 [17658612] Brain Res Rev 57(2):444-53 (2008)
- 2010 Testosterone increases urinary calcium excretion and inhibits expression of renal calcium transport proteins.**
18 [20090667] Kidney Int 77(7):601-8 (2010)
- 2010 A practical guide to diagnosis, management and treatment of testosterone deficiency for Canadian physicians.**
19 [20694106] Can Urol Assoc J 4(4):269-75 (2010)
- 2009 Prediction of metabolic syndrome by low serum testosterone levels in men: results from the study of health in Pomerania.**
20 [19581420] Diabetes 58(9):2027-31 (2009)
- 2010 A practical guide to male hypogonadism in the primary care setting.**
21 [20518947] Int J Clin Pract 64(6):682-96 (2010)
- 2003 Androgen replacement therapy in the aging male.**
22 [16985841] Rev Urol 5(4):216-26 (2003)
- 2008 AR, apoE, and cognitive function.**
23 [18395206] Horm Behav 53(5):706-15 (2008)
- 2008 Neuroendocrine consequences of androgen excess in female rodents.**
24 [18374922] Horm Behav 53(5):673-92 (2008)
- 2008 The role of androgen receptors in the masculinization of brain and behavior: what we've learned from the testicular feminization mutation.**
25 [18374335] Horm Behav 53(5):613-26 (2008)
- 2008 Adolescents and androgens, receptors and rewards.**
26 [18343381] Horm Behav 53(5):647-58 (2008)
- 2009 Androgens and bone.**
27 [18992761] Steroids 74(3):296-305 (2009)

TET protein family	12620	TET Proteinfamilie	
TET protein family			

2009 The TET family of proteins: functions and roles in disease.
1 [19783543] J Mol Cell Biol 1(2):82-92 (2009)

TET2	12621	TET2
ASXL1	IKZF1	Mastocytosis
Cbl	JAK2V617F	MPL
Dnmt	Leukemia (acute myeloic)	Myelodysplastic syndrome
IDH1 Isocitrate dehydrogenase1 NADP soluble	Leukemia (chronic myeloic)	Myeloproliferative syndromes
IDH2	Leukemia (chronic myelomonocytic leukaemia)	Nucleophosmin

2011 The Ph-positive and Ph-negative myeloproliferative neoplasms: some topical pre-clinical and clinical issues.

¹ [21242185] Haematologica 96(4):590-601 (2011)

2011 Current findings for recurring mutations in acute myeloid leukemia.

² [21917154] J Hematol Oncol 4(-):36 (2011)

2010 Novel mutations and their functional and clinical relevance in myeloproliferative neoplasms: JAK2, MPL, TET2, ASXL1, CBL, IDH and IKZF1.

³ [20428194] Leukemia 24(6):1128-38 (2010)

Aids	Disaster medicine	Hepatitis C	Tetanus
Botulism	Hepatitis B	Postexposure prophylaxis	

1975 Prevention of tetanus in the wounded.

1 [1156818] Br Med J 3(5981):453-5 (1975)

1994 Management of tetanus: a review of 18 cases.

2 [7802815] J R Soc Med 87(9):569 (1994)

1994 Management of tetanus: a review of 18 cases.

3 [8158589] J R Soc Med 87(3):135-7 (1994)

2001 Tetanus: a review of the literature.

4 [11517134] Br J Anaesth 87(3):477-87 (2001)

2001 Tetanus managed in a peripheral hospital--a case report and a review of management.

5 [16573497] Crit Care Resusc 3(3):163-9 (2001)

2009 Tetanus in developing countries: a case series and review.

6 [19296192] Can J Anaesth 56(4):307-15 (2009)

1979 Tetanus toxin.

7 [390355] Microbiol Rev 43(2):224-40 (1979)

2007 Tetanus-induced acute kidney injury in a renal transplant recipient.

8 [17690422] Am J Trop Med Hyg 77(2):400-2 (2007)

1999 Tetanus and botulinum neurotoxins: mechanism of action and therapeutic uses.

9 [10212474] Philos Trans R Soc Lond B Biol Sci 354(1381):259-68 (1999)

2010 A unique experiment in neurological surgery: intracerebral injection of antitoxin for tetanus.

10 [19817546] J Neurosurg 112(6):1318-21 (2010)

2007 Neonatal tetanus in Nigeria: does it still pose a major threat to neonatal survival?

11 [17185443] Arch Dis Child 92(1):9-10 (2007)

1959 Tetanus in California; epidemiology and a review of 232 cases.

12 [13651953] Calif Med 90(5):318-21 (1959)

1951 The early symptoms of tetanus with a review of 22 cases.

13 [14792468] Can Med Assoc J 64(1):58-60 (1951)

2002 Respiratory failure in tetanus: case report and review of a 25-year experience.

14 [12377887] Chest 122(4):1488-92 (2002)

2000 Tetanus.

15 [10945801] J Neurol Neurosurg Psychiatry 69(3):292-301 (2000)

2010 Tetanus toxin C-fragment: the courier and the cure?

16 [22069568] Toxins (Basel) 2(11):2622-44 (2010)

Recommendations for postexposure interventions to prevent infection with hepatitis B

virus, hepatitis C virus, or human immunodeficiency virus, and tetanus in persons

wounded during bombings and other mass-casualty events--United States, 2008:

recommendations of the Centers for Disease Control and Prevention (CDC).

17 [18668022] MMWR Recomm Rep 57(RR-6):1-21; quiz CE1-4 (2008)

Chiari malformation	Tethered cord syndrome		
---------------------	------------------------	--	--

- 2010 Spinal cord traction, vascular compromise, hypoxia, and metabolic derangements in the pathophysiology of tethered cord syndrome.**
1 [20594007] *Neurosurg Focus* 29(1):E9 (2010)
- 2010 A patient with myelomeningocele: is untethering necessary prior to scoliosis correction?**
2 [20594006] *Neurosurg Focus* 29(1):E8 (2010)
- 2010 Posterior vertebral column subtraction osteotomy for the treatment of tethered cord syndrome: review of the literature and clinical outcomes of all cases reported to date.**
3 [20594004] *Neurosurg Focus* 29(1):E6 (2010)
- 2010 Pathophysiology of adult tethered cord syndrome: review of the literature.**
4 [20594000] *Neurosurg Focus* 29(1):E2 (2010)
- 2010 Idiopathic ventral spinal cord herniation: a rare presentation of tethered cord.**
5 [20593998] *Neurosurg Focus* 29(1):E10 (2010)
- 2010 Tethered cord syndrome: a review of the literature from embryology to adult presentation.**
6 [20593997] *Neurosurg Focus* 29(1):E1 (2010)
- 2007 Tethered cord syndrome in children: a review.**
7 [17961017] *Neurosurg Focus* 23(2):E2 (2007)
- 2007 Pathophysiology of tethered cord syndrome and similar complex disorders.**
8 [17961011] *Neurosurg Focus* 23(2):E6 (2007)
- 2007 Minimal tethered cord syndrome: what's necessary to justify a new surgical indication?**
9 [17961010] *Neurosurg Focus* 23(2):E1 (2007)
- 2007 Surgical management of the tethered spinal cord--walking the fine line.**
10 [17961008] *Neurosurg Focus* 23(2):E4 (2007)
- 2007 Spinal cord transection for definitive untethering of repetitive tethered cord.**
11 [17961007] *Neurosurg Focus* 23(2):E12 (2007)
- 2004 Pathophysiology of tethered cord syndrome: correlation with symptomatology.**
12 [15209489] *Neurosurg Focus* 16(2):E6 (2004)
- 2001 Congenital tethered spinal cord syndrome in adults.**
13 [16749759] *Neurosurg Focus* 10(1):e7 (2001)
- 2011 Impact of tethered cord release on symptoms of Chiari II malformation in children born with a myelomeningocele.**
14 [20922395] *Childs Nerv Syst* 27(6):975-8 (2011)

Huntington s disease	Tetrabenazine		
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2007 Tetrabenazine in the treatment of Huntington's disease.
1 [19381278] Neuropsychiatr Dis Treat 3(5):545-51 (2007)
2010 Tetrabenazine: the first approved drug for the treatment of chorea in US patients with Huntington disease.
2 [20957126] Neuropsychiatr Dis Treat 6(-):657-65 (2010)

Calcitonin gene related peptide	Ischemia reperfusion	Substance P	
CGRP8 37 ttCGRP	N oleoyldopamine	Tetrabutylammonium tt PotassiumChannels	
Endovanilloid	RP67580 ttNeurokinin1	TRPV1	

2008 **N-oleoyldopamine, a novel endogenous capsaicin-like lipid, protects the heart against ischemia-reperfusion injury via activation of TRPV1.**
1 [\[18567714\] Am J Physiol Heart Circ Physiol 295\(2\):H728-35 \(2008\)](#)

Glycylcyclin	Polyketide		
Natural products	Tetracycline		

1975 Tetracyclines and mineralized tissues: review and perspectives.

1 [1210343] Yale J Biol Med 48(5):377-97 (1975)

2003 Ribosomal protection proteins and their mechanism of tetracycline resistance.

2 [14638464] Antimicrob Agents Chemother 47(12):3675-81 (2003)

1996 Tetracycline resistance mediated by ribosomal protection.

3 [8787868] Antimicrob Agents Chemother 40(1):1-5 (1996)

2006 Pharmacokinetics and pharmacodynamics of the tetracyclines including glycylcyclines.

4 [16816396] J Antimicrob Chemother 58(2):256-65 (2006)

1992 Bacterial resistance to tetracycline: mechanisms, transfer, and clinical significance.

5 [1423217] Clin Microbiol Rev 5(4):387-99 (1992)

1998 Therapeutic potential of tetracycline derivatives to suppress the growth of abdominal aortic aneurysms.

6 [9972142] Adv Dent Res 12(2):159-65 (1998)

1998 How do tetracyclines work?

7 [9972140] Adv Dent Res 12(2):149-51 (1998)

1998 Effects of tetracyclines on bone metabolism.

8 [9972123] Adv Dent Res 12(2):56-62 (1998)

1998 Tetracyclines inhibit connective tissue breakdown by multiple non-antimicrobial mechanisms.

9 [9972117] Adv Dent Res 12(2):12-26 (1998)

1998 Chemical and biological dynamics of tetracyclines.

10 [9972116] Adv Dent Res 12(2):5-11 (1998)

2008 A role for non-antimicrobial actions of tetracyclines in combating oxidative stress in periodontal and metabolic diseases: a literature review.

11 [19088876] Open Dent J 2(-):5-12 (2008)

1991 Tetracyclines inhibit connective tissue breakdown: new therapeutic implications for an old family of drugs.

12 [1654139] Crit Rev Oral Biol Med 2(3):297-321 (1991)

2010 Tetracyclines: a pleiotropic family of compounds with promising therapeutic properties. Review of the literature.

13 [20592239] Am J Physiol Cell Physiol 299(3):C539-48 (2010)

2010 Oxytetracycline biosynthesis.

14 [20522541] J Biol Chem 285(36):27509-15 (2010)

2009 Decoding and engineering tetracycline biosynthesis.

15 [19007902] Metab Eng 11(2):69-75 (2009)

Amino acid (Aromatic)	Dopamine	Phenylalanine hydroxylase	Tryptophan hydroxylase
Aromatic L amino acid decarboxylase	Endothelial dysfunction	Phenylketonuria	Tyrosine hydroxylase
Atherosclerosis (BASKET)	Nitric oxide NO	Serotonin	
Autism	Nitric oxide synthetase iNOS eNOS	Tetrahydrobiopterin	

2007 Response of phenylketonuria to tetrahydrobiopterin.

1 [17513426] J Nutr 137(6 Suppl 1):1564S-1567S; discussion 1573S-1575S (2007)

2007 Inherited disorders affecting dopamine and serotonin: critical neurotransmitters derived from aromatic amino acids.

2 [17513427] J Nutr 137(6 Suppl 1):1568S-1572S; discussion 1573S-1575S (2007)

2010 Tetrahydrobiopterin as a novel therapeutic intervention for autism.

3 [20643376] Neurotherapeutics 7(3):241-9 (2010)

2009 Tetrahydrobiopterin, superoxide, and vascular dysfunction.

4 [19628033] Free Radic Biol Med 47(8):1108-19 (2009)

2009 Vascular protection by tetrahydrobiopterin: progress and therapeutic prospects.

5 [19042039] Trends Pharmacol Sci 30(1):48-54 (2009)

2010 Is tetrahydrobiopterin a therapeutic option in diabetic hypertensive patients?

6 [21949628] Integr Blood Press Control 3(-):125-32 (2010)

Tetrahydrofolate

12628

Tetrahydrofolat

Enzyme structure and chemistry	Tetrahydrofolate	Vitamin B12	
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2008 Catalysis of methyl group transfers involving tetrahydrofolate and B(12).

1 [18804699] Vitam Horm 79(-):293-324 (2008)

Tetrahydroisoquinoline			
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2003 A possible physiological role for cerebral tetrahydroisoquinolines.
1 [12832229] Neurotox Res 5(1-2):147-55 (2003)

Tetraiodothyroacetic acid			
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2008 Novel function of the thyroid hormone analog tetraiodothyroacetic acid: a cancer chemosensitizing and anti-cancer agent.
1 [18386142] *Angiogenesis* 11(3):269-76 (2008)

2008 Tetraiodothyroacetic acid, a small molecule integrin ligand, blocks angiogenesis induced by vascular endothelial growth factor and basic fibroblast growth factor.
2 [18080776] *Angiogenesis* 11(2):183-90 (2008)

CD81	Glycosphingolipid	Neoplasia (Invasion and metastasis)	
CD82	Integrin		
CD9	Laminin	Tetraspanin	

2005 Tetraspanins in viral infections: a fundamental role in viral biology?

1 [16103137] J Virol 79(17):10839-51 (2005)

2007 Tetraspanins as regulators of protein trafficking.

2 [17181773] Traffic 8(2):89-96 (2007)

2007 Functional implications of tetraspanin proteins in cancer biology.

3 [17727684] Cancer Sci 98(11):1666-77 (2007)

2009 Tetraspanins and vascular functions.

4 [19251723] Cardiovasc Res 83(1):7-15 (2009)

2010 Glycosynaptic microdomains controlling tumor cell phenotype through alteration of cell growth, adhesion, and motility.

5 [19874824] FEBS Lett 584(9):1901-6 (2010)

2010 Laminin-binding integrins and their tetraspanin partners as potential antimetastatic targets.

6 [20078909] Expert Rev Mol Med 12(-):e3 (2010)

Tetrathiomolybdate	12632	Tetrathiomolybdate	Tetrathiomolybdate
Tetrathiomolybdate			

2002 Tetrathiomolybdate as an antiangiogenesis therapy for subfoveal choroidal neovascularization secondary to age-related macular degeneration.
1 [12545680] Trans Am Ophthalmol Soc 100(-):73-6; discussion 76-7 (2002)

Tetrocarcin A		12633	Tetrocarcin A
ERS UFR (Pharmacology)	Tetrocarcin A		

2003 Tetrocarcin-A--induced ER stress mediates apoptosis in B-CLL cells via a Bcl-2--
1 independent pathway.
[12560233] Blood 101(11):4561-8 (2003)

Ion channel (Sodium)	Poisonous organisms	Tetrodotoxin	
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2008 Interaction between voltage-gated sodium channels and the neurotoxin, tetrodotoxin.

1 [19098433] *Channels (Austin)* 2(6):407-12 (2008)

2010 The chemical and evolutionary ecology of tetrodotoxin (TTX) toxicity in terrestrial vertebrates.

2 [20411116] *Mar Drugs* 8(3):577-93 (2010)

2010 Effects of tetrodotoxin on the mammalian cardiovascular system.

3 [20411124] *Mar Drugs* 8(3):741-62 (2010)

2010 The tetrodotoxin binding site is within the outer vestibule of the sodium channel.

4 [20390102] *Mar Drugs* 8(2):219-34 (2010)

2010 Behavioral and chemical ecology of marine organisms with respect to tetrodotoxin.

5 [20411104] *Mar Drugs* 8(3):381-98 (2010)

2008 Tetrodotoxin--distribution and accumulation in aquatic organisms, and cases of human intoxication.

6 [18728726] *Mar Drugs* 6(2):220-42 (2008)

2008 Tetrodotoxin: a brief history.

7 [18941294] *Proc Jpn Acad Ser B Phys Biol Sci* 84(5):147-54 (2008)

Data base (Medicine Biology Pharmacology)	Ontology	Systematic review	
Guideline	Semantic Web	Systems biology	
Literature searching	Support vector machine	Text mining	

- 2008 Linking genes to literature: text mining, information extraction, and retrieval applications for biology.**
1 [18834499] Genome Biol 9 Suppl 2(-):S8 (2008)
- 2010 Systematic characterizations of text similarity in full text biomedical publications.**
2 [20856807] PLoS One 5(9):e12704 (2010)
- 2006 Mining literature for systems biology.**
3 [17032698] Brief Bioinform 7(4):399-406 (2006)
- 2008 Facts from text: can text mining help to scale-up high-quality manual curation of gene products with ontologies?**
4 [19060303] Brief Bioinform 9(6):466-78 (2008)
- 2007 Frontiers of biomedical text mining: current progress.**
5 [17977867] Brief Bioinform 8(5):358-75 (2007)
- 2005 Hairpins in bookstacks: information retrieval from biomedical text.**
6 [16212771] Brief Bioinform 6(3):222-38 (2005)
- 2005 Text mining and ontologies in biomedicine: making sense of raw text.**
7 [16212772] Brief Bioinform 6(3):239-51 (2005)
- 2005 Extraction of biological interaction networks from scientific literature.**
8 [16212774] Brief Bioinform 6(3):263-76 (2005)
- 2005 Online tools to support literature-based discovery in the life sciences.**
9 [16212775] Brief Bioinform 6(3):277-86 (2005)
- 2008 Literature mining in support of drug discovery.**
10 [18820304] Brief Bioinform 9(6):479-92 (2008)
- 2005 A critical assessment of text mining methods in molecular biology. Proceedings of a workshop. March 28-31, 2004. Granada, Spain.**
11 [16468169] BMC Bioinformatics 6 Suppl 1(-):S1-23 (2005)
- 2010 Semi-automated screening of biomedical citations for systematic reviews.**
12 [20102628] BMC Bioinformatics 11(-):55 (2010)
- 2008 Terminologies for text-mining; an experiment in the lipoprotein metabolism domain.**
13 [18460175] BMC Bioinformatics 9 Suppl 4(-):S2 (2008)
- 2009 Construction of an annotated corpus to support biomedical information extraction.**
14 [19852798] BMC Bioinformatics 10(-):349 (2009)
- 2006 New directions in biomedical text annotation: definitions, guidelines and corpus construction.**
15 [16867190] BMC Bioinformatics 7(-):356 (2006)
- 2008 Getting started in text mining.**
16 [18225946] PLoS Comput Biol 4(1):e20 (2008)
- 2005 Co-occurrence based meta-analysis of scientific texts: retrieving biological relationships between genes.**
17 [15657104] Bioinformatics 21(9):2049-58 (2005)
- 2005 Concept-based annotation of enzyme classes.**
18 [15661799] Bioinformatics 21(9):2059-66 (2005)
- 2010 Recent progress in automatically extracting information from the pharmacogenomic literature.**
19 [21047206] Pharmacogenomics 11(10):1467-89 (2010)
- 2010 Prospects for the automated extraction of mutation data from the scientific literature.**
20 [21106485] Hum Genomics 5(1):1-4 (2010)
- 2005 Semantic clinical guideline documents.**
21 [16779037] AMIA Annu Symp Proc -(-):236-40 (2005)
- 2003 GESDOR - a generic execution model for sharing of computer-interpretable clinical practice guidelines.**
22 [14728262] AMIA Annu Symp Proc -(-):694-8 (2003)
- 2003 Text categorization models for retrieval of high quality articles in internal medicine.**
23 [14728128] AMIA Annu Symp Proc -(-):31-5 (2003)
- 2008 SYRIAC: The systematic review information automated collection system a data warehouse for facilitating automated biomedical text classification.**
24 [18999194] AMIA Annu Symp Proc -(-):825-9 (2008)
- 2010 Structured digital tables on the Semantic Web: toward a structured digital literature.**
25 [20739925] Mol Syst Biol 6(-):403 (2010)

Cell cylce (BASKET)	Hemopoiesis (BASKET)	TAL1 SCL	USF
Fos	Myc	TFII I	

2007 Signal-induced functions of the transcription factor TFII-I.

1 [17976384] Biochim Biophys Acta 1769(11-12):613-21 (2007)

2011 Role of helix-loop-helix proteins during differentiation of erythroid cells.

2 [21282467] Mol Cell Biol 31(7):1332-43 (2011)

Cockayne s syndrome	Trichothiodystrophy	XPB	
DNA (Repair and Toxicology)	TTDA	XPB	
TFIIH	Xeroderma pigmentosum	XPG	

2010 Two sides of the same coin: TFIIH complexes in transcription and DNA repair.

1 [20419276] ScientificWorldJournal 10(-):633-43 (2010)

2009 Trichothiodystrophy view from the molecular basis of DNA repair/transcription factor TFIIH.

2 [19808800] Hum Mol Genet 18(R2):R224-30 (2009)

2008 Hot topics in DNA repair: the molecular basis for different disease states caused by mutations in TFIIH and XPG.

3 [18077223] DNA Repair (Amst) 7(2):339-44 (2008)

TFIIIB

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TFIIIB

RNA (Polymerase)	RNA (tRNA)	TFIIIB	
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2003 Direct regulation of RNA polymerase III transcription by RB, p53 and c-Myc.
1 [12734418] Cell Cycle 2(3):181-4 (2003)

TFIIS

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TFIIS

DNA (Transcription)	Mot1	Promoter	
Mediator Complex (Transcription)	NC2	TFIIS	

2009 The basal initiation machinery: beyond the general transcription factors.

1 [19411170] Curr Opin Cell Biol 21(3):344-51 (2009)

Protein S	TFPI	Tissue factor	
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- 2002** Role of tissue factor pathway inhibitor in the regulation of tissue factor-dependent blood coagulation.
1 [12070535] Cardiovasc Drug Rev 20(1):67-80 (2002)
- 1997** Tissue factor pathway inhibitor: from unknown coagulation inhibitor to major antithrombotic principle.
2 [9138864] Cardiovasc Res 33(2):286-91 (1997)
- 2002** [Tissue factor pathway inhibitor: biochemistry, molecular biology, physiology and physiopathology].
3 [12193974] Hamostaseologie 22(2):30-5 (2002)
- 2009** Regulation of TFPI function by protein S.
4 [19630792] J Thromb Haemost 7 Suppl 1(-):165-8 (2009)
- 2008** The haemostatic role of tissue factor pathway inhibitor.
5 [17951326] Arterioscler Thromb Vasc Biol 28(2):233-42 (2008)
- 2002** Regulation of functions of vascular wall cells by tissue factor pathway inhibitor: basic and clinical aspects.
6 [11950688] Arterioscler Thromb Vasc Biol 22(4):539-48 (2002)
- 2009** Protein S as cofactor for TFPI.
7 [19661488] Arterioscler Thromb Vasc Biol 29(12):2015-20 (2009)
- 2010** Interdependent biological systems, multi-functional molecules: the evolving role of tissue factor pathway inhibitor beyond anti-coagulation.
8 [20185167] Thromb Res 125 Suppl 1(-):S57-9 (2010)
- 2010** Alternatively spliced isoforms of tissue factor pathway inhibitor.
9 [20176395] Thromb Res 125 Suppl 1(-):S52-6 (2010)

TG2		12641	TG2
CD81	GPR56	TG2	
Factor XIII (Coagulation)	Neoplasia (Invasion and metastasis)		

2007 **GPR56 and TG2: possible roles in suppression of tumor growth by the microenvironment.**

1 [\[17314516\]](#) Cell Cycle 6(2):160-5 (2007)

2007 **Roles of transglutaminases in cardiac and vascular diseases.**

2 [\[17127261\]](#) Front Biosci 12(-):2530-45 (2007)

Abi	Fibrillin2	Mammary gland (Neoplasia)	Sodium (Salt)
ALK1	Fibrosis	MTOR	Stem cell (Neoplasia)
Angiogenesis	FoxP3	Myeloid derived suppressor cell	T cell (Th1)
Aorta and great vessels (Aneurysm)	G CSF		T cell (Th2)
Bax	GADD153 CHOP	Neoplasia (Carcinogenesis)	TAK1
Bioinformatics	HGF	Neoplasia (Invasion and metastasis)	TGF beta
BMP	Histamine		TGIF
Cardiovascular risk	Hyal2	Neoplasia (Tumor biology and immunology)	Tolerance (Immunology)
Caveolin and caveoles	hyaluronoglucosaminidase2		TRAF6
Colon and rectum (Neoplasia)	Hyaluronidase	NFAT	TRPV1
Dendritic cell (Immunology)	Inflammatory bowel diseases	Nitric oxide NO	Ulcus pepticum
Deoxycorticosterone	Interleukin10	PI3K	Vasoactive intestinal peptide
Diabetes mellitus (Involvement kidney)	Interleukin22 IL TIF	Receptor (Histamine)	Wnt beta Catenin TCF
Efferocytosis	Ischemia reperfusion	Receptor (TGF beta family)	WW protein domain
Endothelial dysfunction	Itch (Ubiquitin)	Regulatory T cell	WWOX
Epithelio mesenchymal transition	Kidney (Fibrosis)	Remodeling	
Extracellular matrix	KLF10	RNA (MicroRNA)	
Fibrillin	Liver (Fibrosis)	Scleroderma	
Fibrillin1	Lung (Development)	SMAD2	
	Mammary gland (Involution)	SMAD3	
		SMAD7	
		SnoN	

- 2000** The transforming growth factor-betas: structure, signaling, and roles in nervous system development and functions.
1 [11080174] J Neurochem 75(6):2227-40 (2000)
- 2008** Contextual regulation of inflammation: a duet by transforming growth factor-beta and interleukin-10.
2 [18400189] Immunity 28(4):468-76 (2008)
- 2006** Mechanisms of immune suppression by interleukin-10 and transforming growth factor-beta: the role of T regulatory cells.
3 [16556256] Immunology 117(4):433-42 (2006)
- 2004** TGF-beta: the perpetrator of immune suppression by regulatory T cells and suicidal T cells.
4 [14966194] J Leukoc Biol 76(1):15-24 (2004)
- 2003** Transforming growth factor-beta as a regulator of site-specific T-cell inflammatory response.
5 [12869133] Scand J Immunol 58(2):129-38 (2003)
- 2004** TGFbeta1, back to the future: revisiting its role as a transforming growth factor.
6 [15034302] Cancer Biol Ther 3(3):276-83 (2004)
- 2004** p21(WAF1/CIP1) at the switch between the anti-oncogenic and oncogenic faces of TGFbeta.
7 [14963407] Cancer Biol Ther 3(2):226-7 (2004)
- 2006** Escaping from the TGFbeta anti-proliferative control.
8 [16698802] Carcinogenesis 27(11):2148-56 (2006)
- 2004** TGF-beta signal transduction in oro-facial health and non-malignant disease (part I).
9 [15574677] Crit Rev Oral Biol Med 15(6):324-36 (2004)
- 2004** The role of TGF-beta in epithelial malignancy and its relevance to the pathogenesis of oral cancer (part II).
10 [15574678] Crit Rev Oral Biol Med 15(6):337-47 (2004)
- 2004** TGF-beta signaling and the fibrotic response.
11 [15117886] FASEB J 18(7):816-27 (2004)
- 1999** Specificity, diversity, and regulation in TGF-beta superfamily signaling.
12 [10593858] FASEB J 13(15):2105-24 (1999)
- 1987** Some recent advances in the chemistry and biology of transforming growth factor-

- 13 beta.
[3308901] J Cell Biol 105(3):1039-45 (1987)
- 2007 **Pathobiology of transforming growth factor beta in cancer, fibrosis and immunologic**
14 **disease, and therapeutic considerations.**
[17724448] Lab Invest 87(11):1077-91 (2007)
- 2006 **TGFbeta pathobiology in the eye.**
15 [16341020] Lab Invest 86(2):106-15 (2006)
- 1993 **Transforming growth factor-beta 1 knockout mice. A mutation in one cytokine gene**
16 **causes a dramatic inflammatory disease.**
[8317552] Am J Pathol 143(1):3-9 (1993)
- 2006 **Role of transforming growth factor-beta in hematologic malignancies.**
17 [16484590] Blood 107(12):4589-96 (2006)
- 2000 **Transforming growth factor-beta: pleiotropic role in the regulation of hematopoiesis.**
18 [10979943] Blood 96(6):2022-36 (2000)
- 2006 **The pleiotropic roles of transforming growth factor beta in homeostasis and**
19 **carcinogenesis of endocrine organs.**
[16728569] Endocr Relat Cancer 13(2):379-400 (2006)
- 2005 **Transforming growth factor-beta : biology and clinical relevance.**
20 [15715939] J Biochem Mol Biol 38(1):1-8 (2005)
- 2002 **TGF-beta-dependent cell growth arrest and apoptosis.**
21 [16248969] J Biochem Mol Biol 35(1):47-53 (2002)
- 2005 **Latent transforming growth factor-beta (TGF-beta) binding proteins: orchestrators of**
22 **TGF-beta availability.**
[15611103] J Biol Chem 280(9):7409-12 (2005)
- 1997 **TGF-beta latency: biological significance and mechanisms of activation.**
23 [9170210] Stem Cells 15(3):190-7 (1997)
- 2008 **TGF-beta: a master of all T cell trades.**
24 [18692464] Cell 134(3):392-404 (2008)
- 2008 **TGFbeta in Cancer.**
25 [18662538] Cell 134(2):215-30 (2008)
- 2005 **Vulvar vestibulitis syndrome: a review.**
26 [15927350] Eur J Obstet Gynecol Reprod Biol 123(1):9-16 (2005)
- 1997 **Latent transforming growth factor-beta: structural features and mechanisms of**
27 **activation.**
[9150447] Kidney Int 51(5):1376-82 (1997)
- 2010 **IN-1233, an ALK-5 inhibitor: prevention of granulation tissue formation after bare**
28 **metallic stent placement in a rat urethral model.**
[20308445] Radiology 255(1):75-82 (2010)
- 2009 **Integrin-mediated transforming growth factor-beta activation, a potential therapeutic**
29 **target in fibrogenic disorders.**
[19729474] Am J Pathol 175(4):1362-70 (2009)
- 2010 **NFAT transcription factors, the potion mediating "Dr. Jekyll-Mr. Hyde" transformation**
30 **of the TGFβ pathway in cancer cells.**
[20935481] Cell Cycle 9(19):3838-9 (2010)
- 2002 **TGF-beta signaling in renal disease.**
31 [12239251] J Am Soc Nephrol 13(10):2600-10 (2002)
- 2007 **Mechanism of action and delivery possibilities for TGFbeta1 in the treatment of**
32 **myocardial ischemia.**
[17331484] Cardiovasc Res 74(2):235-43 (2007)
- 2006 **Transgenic modeling of transforming growth factor-beta(1): role of apoptosis in**
33 **fibrosis and alveolar remodeling.**
[16799085] Proc Am Thorac Soc 3(5):418-23 (2006)
- 2006 **Transforming growth factor beta: a central modulator of pulmonary and airway**
34 **inflammation and fibrosis.**
[16799084] Proc Am Thorac Soc 3(5):413-7 (2006)
- 2003 **Making sense of latent TGFbeta activation.**
35 [12482908] J Cell Sci 116(Pt 2):217-24 (2003)
- 2002 **The TGF-beta family: signaling pathways, developmental roles, and tumor suppressor**
36 **activities.**
[12805946] ScientificWorldJournal 2(-):892-925 (2002)
- 2006 **Tolerogenic dendritic cells: cytokine modulation comes of age.**
37 [16684955] Blood 108(5):1435-40 (2006)
- 2011 **ALK1 as an emerging target for antiangiogenic therapy of cancer.**
38 [21467543] Blood 117(26):6999-7006 (2011)
- 2006 **Recent advances in molecular pharmacology of the histamine systems: immune**
39 **regulatory roles of histamine produced by leukocytes.**
[16648666] J Pharmacol Sci 101(1):19-23 (2006)
- 2009 **Extracellular microfibrils: contextual platforms for TGFbeta and BMP signaling.**
40 [19525102] Curr Opin Cell Biol 21(5):616-22 (2009)
- 2010 **Integrin-TGF-beta crosstalk in fibrosis, cancer and wound healing.**
41 [20075988] EMBO Rep 11(2):97-105 (2010)
- 2010 **Cross-talk between transforming growth factor-beta and Wingless/Int pathways in**
42 **lung development and disease.**
[20219694] Int J Biochem Cell Biol 42(6):809-12 (2010)
- 2006 **Inhibition of transforming growth factor-beta signaling in human cancer: targeting a**
43 **tumor suppressor network as a therapeutic strategy.**
[16857784] Clin Cancer Res 12(14 Pt 1):4142-6 (2006)
- 2008 **Pro- and anti-fibrotic effects of TGF-beta in scleroderma.**
44 [18784145] Rheumatology (Oxford) 47 Suppl 5(-):v5-7 (2008)
- 2010 **Regulation of TGF-beta signalling by protein phosphatases.**
45 [20704570] Biochem J 430(2):191-8 (2010)

- 2009 **TGF-beta uses the E3-ligase TRAF6 to turn on the kinase TAK1 to kill prostate cancer cells.**
46 [19243289] *Future Oncol* 5(1):1-3 (2009)
- 2009 **The TGF-beta paradox in human cancer: an update.**
47 [19284383] *Future Oncol* 5(2):259-71 (2009)
- 2009 **Mechanisms of the epithelial-mesenchymal transition by TGF-beta.**
48 [19852727] *Future Oncol* 5(8):1145-68 (2009)
- 2006 **The structural basis of TGF-beta, bone morphogenetic protein, and activin ligand binding.**
49 [16885528] *Reproduction* 132(2):179-90 (2006)
- 2003 **Clearance of apoptotic cells: TGF-beta in the balance between inflammation and fibrosis.**
50 [12960252] *J Leukoc Biol* 74(6):959-60 (2003)
- 2009 **Review of the activation of TGF-beta in immunity.**
51 [18818372] *J Leukoc Biol* 85(1):29-33 (2009)
- 2007 **'Yin-Yang' functions of transforming growth factor-beta and T regulatory cells in immune regulation.**
52 [17979848] *Immunol Rev* 220(-):199-213 (2007)
- 2004 **Hepatocyte growth factor in kidney fibrosis: therapeutic potential and mechanisms of action.**
53 [15180923] *Am J Physiol Renal Physiol* 287(1):F7-16 (2004)
- 2003 **TGF-beta signal transduction and mesangial cell fibrogenesis.**
54 [12529270] *Am J Physiol Renal Physiol* 284(2):F243-52 (2003)
- 2009 **Vascular consequences of dietary salt intake.**
55 [19339634] *Am J Physiol Renal Physiol* 297(2):F237-43 (2009)
- 2010 **Transforming growth factor beta (TGF-beta) and inflammation in cancer.**
56 [20018551] *Cytokine Growth Factor Rev* 21(1):49-59 (2010)
- 2009 **Control of microRNA biogenesis by TGFbeta signaling pathway-A novel role of Smads in the nucleus.**
57 [19892582] *Cytokine Growth Factor Rev* 20(5-6):517-21 (2009)
- 2007 **Regulation of transforming growth factor beta in diabetic nephropathy: implications for treatment.**
58 [17418684] *Semin Nephrol* 27(2):153-60 (2007)
- 2010 **Resistance to transforming growth factor β -mediated tumor suppression in melanoma: are multiple mechanisms in place?**
59 [20656791] *Carcinogenesis* 31(10):1710-7 (2010)
- 2008 **Context-dependent regulation of cutaneous immunological responses by TGFbeta1 and its role in skin carcinogenesis.**
60 [17893229] *Carcinogenesis* 29(1):9-14 (2008)
- 2010 **SnoN in mammalian development, function and diseases.**
61 [20822955] *Curr Opin Pharmacol* 10(6):670-5 (2010)
- 2009 **Anti-inflammatory and pro-inflammatory roles of TGF-beta, IL-10, and IL-22 in immunity and autoimmunity.**
62 [19481975] *Curr Opin Pharmacol* 9(4):447-53 (2009)
- 2010 **Signaling from membrane receptors to tumor suppressor WW domain-containing oxidoreductase.**
63 [20542955] *Exp Biol Med* (Maywood) 235(7):796-804 (2010)
- 2008 **What the lung has taught us about latent TGF-beta activation.**
64 [18927350] *Am J Respir Cell Mol Biol* 39(5):499-502 (2008)
- 2007 **Targeted TGF-beta chemotherapies: friend or foe in treating human malignancies?**
65 [17492924] *Expert Rev Anticancer Ther* 7(5):609-11 (2007)
- 2008 **CHOP deficiency attenuates cholestasis-induced liver fibrosis by reduction of hepatocyte injury.**
66 [18174271] *Am J Physiol Gastrointest Liver Physiol* 294(2):G498-505 (2008)
- 2010 **Oxidative stress and glutathione in TGF-beta-mediated fibrogenesis.**
67 [19800967] *Free Radic Biol Med* 48(1):1-15 (2010)
- 2009 **Informatics approaches to understanding TGFbeta pathway regulation.**
68 [19855015] *Development* 136(22):3729-40 (2009)
- 2009 **The regulation of TGFbeta signal transduction.**
69 [19855013] *Development* 136(22):3699-714 (2009)
- 2009 **TGFbeta family signaling: novel insights in development and disease.**
70 [19855012] *Development* 136(22):3691-7 (2009)
- 2011 **Protective effect of TRPV1 against renal fibrosis via inhibition of TGF-beta/Smad signaling in DOCA-salt hypertension.**
71 [21792478] *Mol Med* 17(11-12):1204-12 (2011)
- 2010 **Role of transforming growth factor- β in inflammatory bowel disease and colitis-associated colon cancer.**
72 [20848467] *Inflamm Bowel Dis* 16(11):1963-8 (2010)
- 2003 **Medical applications of transforming growth factor-beta.**
73 [15931280] *Clin Med Res* 1(1):13-20 (2003)
- 2007 **SMAD7: at the interface of TGF-beta and proinflammatory signaling.**
74 [17704440] *Perit Dial Int* 27(5):523-5 (2007)
- 2011 **TGF- β signaling in breast cancer cell invasion and bone metastasis.**
75 [21494783] *J Mammary Gland Biol Neoplasia* 16(2):97-108 (2011)
- 2009 **Transforming growth factor-(beta)s and mammary gland involution; functional roles and implications for cancer progression.**
76 [19396528] *J Mammary Gland Biol Neoplasia* 14(2):131-44 (2009)
- 2008 **Caveolin-1, transforming growth factor-beta receptor internalization, and the pathogenesis of systemic sclerosis.**
77 [18949888] *Curr Opin Rheumatol* 20(6):713-9 (2008)
- 2006 **Ubiquitin-dependent regulation of TGFbeta signaling in cancer.**

78 [16925950] *Neoplasia* 8(8):677-88 (2006)

2010 **Targeting the transforming growth factor-beta signaling pathway in human cancer.**
79 [20001556] *Expert Opin Investig Drugs* 19(1):77-91 (2010)

2007 **Targeting transforming growth factor-beta signaling.**
80 [17906455] *Curr Opin Oncol* 19(6):579-85 (2007)

2009 **Transforming growth factor-beta signaling: emerging stem cell target in metastatic breast cancer?**
81 [18841463] *Breast Cancer Res Treat* 115(3):453-95 (2009)

2009 **Transforming growth factor-beta signaling in thoracic aortic aneurysm development: a paradox in pathogenesis.**
82 [18765947] *J Vasc Res* 46(2):119-37 (2009)

2011 **Emergence of the phosphoinositide 3-kinase-Akt-mammalian target of rapamycin axis in transforming growth factor- β -induced epithelial-mesenchymal transition.**
83 [21041997] *Cells Tissues Organs* 193(1-2):8-22 (2011)

2011 **The Cavin and Abl of epithelial-mesenchymal transition and transforming growth factor- β in mammary epithelial cells.**
84 [21051857] *Cells Tissues Organs* 193(1-2):98-113 (2011)

2011 **Role of TGF- β signaling in inherited and acquired myopathies.**
85 [21798096] *Skelet Muscle* 1(1):19 (2011)

2005 **TGF-beta signaling pathway: its role in gastrointestinal pathophysiology and modulation of ulcer healing.**
86 [15795471] *J Physiol Pharmacol* 56(1):3-13 (2005)

2010 **Foxp3 positive regulatory T cells: a functional regulation by the E3 ubiquitin ligase Itch.**
87 [20108139] *Semin Immunopathol* 32(2):149-56 (2010)

2010 **TGF-beta and immune cells: an important regulatory axis in the tumor microenvironment and progression.**
88 [20538542] *Trends Immunol* 31(6):220-7 (2010)

2007 **TGFbeta1 and Treg cells: alliance for tolerance.**
89 [17977791] *Trends Mol Med* 13(11):492-501 (2007)

2007 **Roles of Smad3 in TGF-beta signaling during carcinogenesis.**
90 [17725494] *Crit Rev Eukaryot Gene Expr* 17(4):281-93 (2007)

2010 **Functional role of KLF10 in multiple disease processes.**
91 [20087894] *Biofactors* 36(1):8-18 (2010)

2004 **Negative regulation of TGF-beta signaling in development.**
92 [15625010] *Cell Res* 14(6):441-9 (2004)

2010 **Biogenesis and function of fibrillin assemblies.**
93 [19513754] *Cell Tissue Res* 339(1):71-82 (2010)

2009 **The tale of transforming growth factor-beta (TGFbeta) signaling: a soigné enigma.**
94 [19787707] *IUBMB Life* 61(10):929-39 (2009)

2010 **Cellular and molecular basis for the regulation of inflammation by TGF-beta.**
95 [20410014] *J Biochem* 147(6):781-92 (2010)