

Ubp8

13301

Ubp8

Gcn5	SAGA complex		
Histone	Ubp8		

2009 **Insights into SAGA function during gene expression.**

1 [\[19609321\] EMBO Rep 10\(8\):843-50 \(2009\)](#)

UCH L1

13302

UCH L1

Diabetes mellitus (Beta cell decay)	IAPP islet amyloid polypeptide	UCH L1	
Endoplasmic reticulum (associated degradation)	Ubiquitin		

2011 **beta-cell dysfunctional ERAD/ubiquitin/proteasome system in type 2 diabetes**
1 **mediated by islet amyloid polypeptide-induced UCH-L1 deficiency.**
[20980462] Diabetes 60(1):227-38 (2011)

UCP1**13303****UCP1**

Mitochondria (BASKET)	UCP1	UCP3	
Obesity (BASKET)	UCP2		

2008 **UCP1: its involvement and utility in obesity.****1** [\[19136989\] Int J Obes \(Lond\) 32 Suppl 7\(-\):S32-8 \(2008\)](#)**2010** **Mitochondrial proton and electron leaks.****2** [\[20533900\] Essays Biochem 47\(-\):53-67 \(2010\)](#)

UCP2**13304****UCP2**

Liver (Steatohepatosis)	TRPV1	UCP2	Uncoupling protein
Mitochondria (BASKET)	UCP1	UCP3	

2008 Modulation of UCP2 expression by p38--a link to cardioprotection.

1 [18795068] Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub 152(1):3-7 (2008)

2012 TRPV1 activation prevents nonalcoholic fatty liver through UCP2 upregulation in mice.

2 [22395410] Pflugers Arch 463(5):727-32 (2012)

2010 Mitochondrial proton and electron leaks.

3 [20533900] Essays Biochem 47(-):53-67 (2010)

UCP3

13305

UCP3

Mitochondria (BASKET)	UCP2		
UCP1	UCP3		

2010 **Mitochondrial proton and electron leaks.**
1 [20533900] Essays Biochem 47(-):53-67 (2010)

**UDP GalNAc polypeptide N
acetylgalactosaminyltransferases**

13306

**UDP GalNAc polypeptide N
acetylgalactosaminyltransferases**

UDP GalNAc polypeptide N acetylgalactosaminyltransferases			
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2003 All in the family: the UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferases.

1 [12634319] *Glycobiology* 13(1):1R-16R (2003)

UDP Glucuronosyltransferase			
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2010 Modulation of UDP-glucuronosyltransferase activity by endogenous compounds.

1 [20460819] Drug Metab Pharmacokinet 25(2):134-48 (2010)

The crystal structure of human UDP-glucuronosyltransferase 2B7 C-terminal end is the 2010 first mammalian UGT target to be revealed: the significance for human UGTs from both

2 the 1A and 2B families.

[19821783] Drug Metab Rev 42(1):133-44 (2010)

**UDP N acetylglucosamine 2
epimerase N acetylmannosamine
kinase**

13308

**UDP N acetylglucosamine 2
epimerase N acetylmannosamine
kinase**

Myopathy (Distal myopathy with rimmed vacuoles)	Sialic acid	UDP N acetylglucosamine 2 epimerase N acetylmannosamine kinase	
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2010 A preclinical trial of sialic acid metabolites on distal myopathy with rimmed
vacuoles/hereditary inclusion body myopathy, a sugar-deficient myopathy: a review.
¹ [21179605] Ther Adv Neurol Disord 3(2):127-35 (2010)

Capecitabine Colon and rectum (Neoplasia)	Fluoropyrimidine Mammary gland (Neoplasia)	Stomach (Neoplasia) UFT	
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2001 gamma-Hydroxybutyric acid and 5-fluorouracil, metabolites of UFT, inhibit the angiogenesis induced by vascular endothelial growth factor.

1 [11911014] *Angiogenesis* 4(3):163-73 (2001)

2008 UFT (tegafur-uracil) in rectal cancer.

2 [18381370] *Ann Oncol* 19(8):1371-8 (2008)

2008 The role of UFT in advanced gastric cancer.

3 [18281263] *Ann Oncol* 19(6):1045-52 (2008)

2002 Clinical studies of three oral prodrugs of 5-fluorouracil (capecitabine, UFT, S-1): a review.

4 [12185293] *Oncologist* 7(4):288-323 (2002)

2010 Therapeutic usefulness of postoperative adjuvant chemotherapy with Tegafur-Uracil (UFT) in patients with breast cancer: focus on the results of clinical studies in Japan.

5 [20080863] *Oncologist* 15(1):26-36 (2010)

UGT1A1

13310

UGT1A1

Colon and rectum (Neoplasia)	Irinotecan	UGT1A1	
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Recommendations from the EGAPP Working Group: can UGT1A1 genotyping reduce morbidity and mortality in patients with metastatic colorectal cancer treated with irinotecan?

1 [19125128] Genet Med 11(1):15-20 (2009)

2009 Can UGT1A1 genotyping reduce morbidity and mortality in patients with metastatic colorectal cancer treated with irinotecan? An evidence-based review.

2 [19125129] Genet Med 11(1):21-34 (2009)

Uhl's Anomaly

13311

Uhl Anomalie

Uhl's Anomaly			
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1979

Uhl's anomaly.

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[465242] Br Heart J 41(6):676-82 (1979)

DNA (Methyltransferase) DNMT1	HDAC1 Histone deacetylase	UHRF1 ICBP90 NP95	
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2011 Down-regulation of UHRF1, associated with re-expression of tumor suppressor genes,
1 is a common feature of natural compounds exhibiting anti-cancer properties.
[21496237] J Exp Clin Cancer Res 30(-):41 (2011)

Uhthoff symptom

13313

Uhthoff Symptom

Uhthoff symptom			
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1995

Uhthoff and his symptom.

1

[7550931] J Neuroophthalmol 15(2):63-9 (1995)

Ukrain

13314

Ukrain

Ukrain			
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2005 Ukrain - a new cancer cure? A systematic review of randomised clinical trials.

1 [\[15992405\]](#) BMC Cancer 5(-):69 (2005)

ULBP1**13315****ULBP1**

H60a	MICA	NKG2D	ULBP2
H60b	MICB	Rae1	ULBP3
H60c	Mult1	ULBP1	

2009 **Murine NKG2D ligands: "double, double toil and trouble".**

1 [19081632] Mol Immunol 46(6):1011-9 (2009)

ULBP2**13316****ULBP2**

H60a	MICA	NKG2D	ULBP2
H60b	MICB	Rae1	ULBP3
H60c	Mult1	ULBP1	

2009 Murine NKG2D ligands: "double, double toil and trouble".

1 [19081632] Mol Immunol 46(6):1011-9 (2009)

ULBP3**13317****ULBP3**

H60a	MICA	NKG2D	ULBP2
H60b	MICB	Rae1	ULBP3
H60c	Mult1	ULBP1	

2009 Murine NKG2D ligands: "double, double toil and trouble".

1 [19081632] Mol Immunol 46(6):1011-9 (2009)

Amelogenin	Martorell ulcer	Wound healing	
Apligraf	Ulcus cruris		

2006 Pressure ulcers.

1 [16497764] BMJ 332(7539):472-5 (2006)

2006 Diabetic foot ulcers.

2 [16484268] BMJ 332(7538):407-10 (2006)

2006 Venous and arterial leg ulcers.

3 [16470058] BMJ 332(7537):347-50 (2006)

2004 Management of venous leg ulcers.

4 [15178615] BMJ 328(7452):1358-62 (2004)

1997 A systematic review of compression treatment for venous leg ulcers.

5 [9302954] BMJ 315(7108):576-80 (1997)

1991 ABC of vascular diseases. Leg ulcers.

6 [1932945] BMJ 303(6805):776-9 (1991)

2001 Prevention and treatment of pressure ulcers: what works? what doesn't?

7 [11510528] Cleve Clin J Med 68(8):704-7, 710-14, 717-22 (2001)

2005 Approach to infected skin ulcers.

8 [16250422] Can Fam Physician 51(-):1352-9 (2005)

2001 Martorell's hypertensive leg ulcer: case report and concise review of the literature.

9 [11319677] J Hum Hypertens 15(4):279-83 (2001)

2009 In search of optimal compression therapy for venous leg ulcers: a meta-analysis of studies comparing diverse [corrected] bandages with specifically designed stockings.

10 [19595551] J Vasc Surg 50(3):668-74 (2009)

2009 Leg ulcer treatment.

11 [19268785] J Vasc Surg 49(3):804-8 (2009)

2006 A systematic review of randomized controlled trials of wound dressings for chronic venous ulcer.

12 [17098555] J Vasc Surg 44(5):1118-25 (2006)

2003 A systematic review of pneumatic compression for treatment of chronic venous insufficiency and venous ulcers.

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2007 Foot ulcers in the diabetic patient, prevention and treatment.

14 [17583176] Vasc Health Risk Manag 3(1):65-76 (2007)

2005 Leg ulcerations: a clinical appraisal.

15 [15908292] Eur J Dermatol 15(3):127-32 (2005)

1959 Treatment of venous ulcers of the leg; review of 110 operative cases.

16 [13650478] Ann Surg 149(6):914-24 (1959)

2000 Management of leg ulcers.

17 [11060140] Postgrad Med J 76(901):674-82 (2000)

2007 Dressings for venous leg ulcers: systematic review and meta-analysis.

18 [17631512] BMJ 335(7613):244 (2007)

Four layer bandage compared with short stretch bandage for venous leg ulcers:**2009 systematic review and meta-analysis of randomised controlled trials with data from individual patients.**

19 [19376798] BMJ 338(-):b1344 (2009)

2011 Evidence-based treatment of chronic leg ulcers.

20 [21547162] Dtsch Arztebl Int 108(14):231-7 (2011)

2006 Leg ulcers - causes and management.

21 [16820817] Aust Fam Physician 35(7):480-4 (2006)

2003 Knowledge and attitudes regarding care of leg ulcers. Survey of family physicians.

22 [12901487] Can Fam Physician 49(-):896-902 (2003)

2007 A review of a bi-layered living cell treatment (Apligraf) in the treatment of venous leg ulcers and diabetic foot ulcers.

23 [18044080] Clin Interv Aging 2(1):93-8 (2007)

2008 Amelogenin, an extracellular matrix protein, in the treatment of venous leg ulcers and other hard-to-heal wounds: experimental and clinical evidence.

24 [18686749] Clin Interv Aging 3(2):263-72 (2008)

2008 Skin replacement therapies for diabetic foot ulcers: systematic review and meta-analysis.

25 [18162495] Diabetes Care 31(4):693-4 (2008)

2008 Venous leg ulcers: where does surgery fit in?

26 [18619174] Pol Arch Med Wewn 118(5):262-3 (2008)

2003 Managing the patient with venous ulcers.

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2010 Use of sugar on the healing of diabetic ulcers: a review.

28 [20920433] J Diabetes Sci Technol 4(5):1139-45 (2010)

2011 Venous ulcer review.

- 29 [21673869] Clin Cosmet Investig Dermatol 4(-):7-14 (2011)
- 2007 **Systematic review of topic treatment for venous ulcers.**
- 30 [18235960] Rev Lat Am Enfermagem 15(6):1163-70 (2007)
- 2002 **Review: pentoxifylline with standard compression treatment improves healing of venous leg ulcers.**
- 31 [12402813] Evid Based Nurs 5(4):110 (2002)

Intestines (Traumatology)	Ulcus duodeni Ulcus ventriculi		
Stomach (Traumatology)			

- 1986** Highly selective vagotomy with dilatation or duodenoplasty. A surgical alternative for obstructing duodenal ulcer.
1 [3486643] Ann Surg 203(5):545-50 (1986)
- 1984** Highly selective vagotomy in duodenal ulceration and its complications. A 12-year review.
2 [6331803] Ann Surg 200(2):181-4 (1984)
- 1957** The surgical treatment of duodenal ulcer in the young adult: a review of 151 patients.
3 [13488377] Ann Surg 146(6):970-5 (1957)
- 2009** Review article: *Helicobacter pylori*-negative duodenal ulcer disease.
4 [19706147] Aliment Pharmacol Ther 30(8):791-815 (2009)
- 1997** The long-term management of patients with bleeding duodenal ulcers.
5 [9218073] Aliment Pharmacol Ther 11(3):505-10 (1997)
- 1974** The pathophysiology of duodenal ulceration.
6 [4595079] Gut 15(1):59-81 (1974)
- 2009** Role of transcatheter arterial embolization for massive bleeding from gastroduodenal ulcers.
7 [20014452] World J Gastroenterol 15(47):5889-97 (2009)
- 2010** Gastroduodenal perforation: maximal or minimal intervention?
8 [20679040] Scand J Surg 99(2):73-7 (2010)

Gastrointestinal hemorrhage Helicobacter pylori	Proton pump inhibitors TGF beta	Tramadol Ulcus pepticum	Ulcus ventriculi
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1988 Peptic ulceration.

1 [2892567] Br Med J (Clin Res Ed) 296(6616):195-200 (1988)

1975 Editorial: Great expectations from proximal vagotomy.

2 [1192143] Br Med J 4(5995):487-8 (1975)

2010 Why do physicians prescribe stress ulcer prophylaxis to general medicine patients?

3 [21042168] South Med J 103(11):1103-10 (2010)

1989 Proximal gastric vagotomy for duodenal ulcer disease.

4 [2660290] South Med J 82(6):733-5 (1989)

2007 Acid-related disorders and use of antiseecretory medication.

5 [17349216] Dan Med Bull 54(1):18-30 (2007)

2005 An overview of acetic acid ulcer models--the history and state of the art of peptic ulcer research.

6 [16079471] Biol Pharm Bull 28(8):1321-41 (2005)

2005 Management of complicated peptic ulcer disease.

7 [15724004] Arch Surg 140(2):201-8 (2005)

1984 Surgical management of bleeding chronic peptic ulcer. A 10-year prospective study.

8 [6691730] Ann Surg 199(1):44-50 (1984)

2004 Meta-analysis: Helicobacter pylori eradication therapy vs. antiseecretory non-eradication therapy for the prevention of recurrent bleeding from peptic ulcer.

9 [15023164] Aliment Pharmacol Ther 19(6):617-29 (2004)

2010 Pathophysiology and modern treatment of ulcer disease.

10 [20198295] Int J Mol Med 25(4):483-91 (2010)

2008 Perforated peptic ulcer and short-term mortality among tramadol users.

11 [17922882] Br J Clin Pharmacol 65(4):565-72 (2008)

2010 A clinical guide to using intravenous proton-pump inhibitors in reflux and peptic ulcers.

12 [21180586] Therap Adv Gastroenterol 3(1):11-22 (2010)

2011 Intravenous proton pump inhibitors for peptic ulcer bleeding: Clinical benefits and limits.

13 [21455342] World J Gastrointest Endosc 3(3):49-56 (2011)

2010 The safety of drugs used in acid-related disorders and functional gastrointestinal disorders.

14 [20951916] Gastroenterol Clin North Am 39(3):529-42 (2010)

2010 Role of proton pump inhibitors in the management of peptic ulcer bleeding.

15 [21577296] World J Gastrointest Pharmacol Ther 1(2):51-3 (2010)

2010 Perforated peptic ulcer disease: a review of history and treatment.

16 [20571260] Dig Surg 27(3):161-9 (2010)

2006 Helicobacter pylori and its involvement in gastritis and peptic ulcer formation.

17 [17033104] J Physiol Pharmacol 57 Suppl 3(-):29-50 (2006)

2005 TGF-beta signaling pathway: its role in gastrointestinal pathophysiology and modulation of ulcer healing.

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Intestines (Traumatology)	Stomach (Traumatology)	Ulcus pepticum	
Proton pump inhibitors	Ulcus duodeni	Ulcus ventriculi	

1989 The need for definitive therapy in the management of perforated gastric ulcers. Review of 202 cases.

1 [2910214] Ann Surg 209(1):36-9 (1989)

1986 Giant gastric ulcers. A review of 49 cases.

2 [2869734] Ann Surg 203(3):255-9 (1986)

1985 The management of gastric ulcers. A current review.

3 [4004386] Ann Surg 201(6):741-51 (1985)

1964 THE PATHOGENESIS OF GASTRIC ULCER.

4 [14206853] Ann Surg 160(-):497-511 (1964)

2007 Proton pump inhibitor therapy for peptic ulcer bleeding: Cochrane collaboration meta-analysis of randomized controlled trials.

5 [17352364] Mayo Clin Proc 82(3):286-96 (2007)

1949 The results of partial gastrectomy; a review of the follow-up of 180 cases of partial gastrectomy for peptic ulcer.

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1987 Recent advances in the treatment of duodenal ulcer disease. A surgical perspective.

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2010 Gastroduodenal perforation: maximal or minimal intervention?

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2010 A clinical guide to using intravenous proton-pump inhibitors in reflux and peptic ulcers.

9 [21180586] Therap Adv Gastroenterol 3(1):11-22 (2010)

Bethlem myopathy COL6A1	COL6A2 COL6A3	Muscle (Hereditary diseases) Ullrich congenital muscular dystrophy	
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2011 ColVI myopathies: where do we stand, where do we go?

1 [21943391] Skelet Muscle 1(-):30 (2011)

2005 Collagen VI related muscle disorders.

2 [16141002] J Med Genet 42(9):673-85 (2005)

Ulnocarpal impaction syndrome			
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2009 MDCT arthrography features of ulnocarpal impaction syndrome.

1 [19843756] AJR Am J Roentgenol 193(5):1376-81 (2009)

Ambient air pollution	Carveout		
Caroli s syndrome	Ultrafine particles (Air)		

2003 Measurement of fine, coarse and ultrafine particles.

1 [15098555] Ann Ist Super Sanita 39(3):351-5 (2003)

2003 Current hypotheses on the mechanisms of toxicity of ultrafine particles.

2 [15098562] Ann Ist Super Sanita 39(3):405-10 (2003)

2011 Are ultrafine particles a risk factor for cardiovascular diseases?

3 [21723025] Rev Esp Cardiol 64(8):642-5 (2011)

Biliary system (Stent Stenosis Stricture)	Esophagus (Manometry)	Stomach (pH metry)	
Esophagus (Imaging)	Pancreas (Neoplasia)	Ultrasound (endoscopic)	

2009 Endoscopic ultrasound advances, part 1: diagnosis.

1 [19816621] Can J Gastroenterol 23(9):594-601 (2009)

1995 Endoluminal vascular and nonvascular sonography: past, present, and future.

2 [7676964] AJR Am J Roentgenol 165(4):765-74 (1995)

2010 Endoscopic ultrasound for the diagnosis of chronic pancreatitis.

3 [20556829] World J Gastroenterol 16(23):2841-50 (2010)

2011 State-of-the-art imaging techniques in endoscopic ultrasound.

4 [21390138] World J Gastroenterol 17(6):691-6 (2011)

2008 Endobronchial ultrasound.

5 [18187751] Chest 133(1):264-70 (2008)

2010 The place of endoscopic ultrasound in bilio-pancreatic pathology.

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2008 New diagnostic techniques for esophageal disorders.

7 [19018334] Can J Gastroenterol 22(11):903-8 (2008)

2009 Tridimensional (3D) endoscopic ultrasound - a pictorial review.

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2008 Intraductal ultrasonography for the assessment of preoperative biliary and pancreatic strictures.

9 [18568147] J Gastrointestin Liver Dis 17(2):217-22 (2008)

Barrett's esophagus Imaging (Molecular)	Inflammatory bowel diseases Ultrasound (enhanced)	Ultrasound and Duplexsonography	
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2011 Contrast-enhanced and targeted ultrasound.

1 [21218081] World J Gastroenterol 17(1):28-41 (2011)

2011 Contrast-enhanced endoscopic ultrasonography.

2 [21218082] World J Gastroenterol 17(1):42-8 (2011)

2011 Optical molecular imaging for detection of Barrett's-associated neoplasia.

3 [21218084] World J Gastroenterol 17(1):53-62 (2011)

2011 New endoscopic approaches in IBD.

4 [21218085] World J Gastroenterol 17(1):63-8 (2011)

2010 Real-time histology with the endocytoscope.

5 [20976836] World J Gastroenterol 16(40):5016-9 (2010)

2007 The effect of surface active solutes on bubbles in an acoustic field.

6 [17960250] Phys Chem Chem Phys 9(42):5631-43 (2007)

2011 Application of molecular ultrasound for imaging integrin expression.

7 [21547155] Theranostics 1(-):127-34 (2011)

2010 Advances in molecular imaging with ultrasound.

8 [20487678] Mol Imaging 9(3):117-27 (2010)

Atherosclerosis (peripheral vessels)	Heart (Coronary heart disease BASKET)	Heart (MRT)	Ultrasound (intravascular)
Heart (Coronary angiography)	Heart (CT)	Optical coherence tomography	

2010 Intravascular ultrasound: principles and cerebrovascular applications.

1 [20133387] AJNR Am J Neuroradiol 31(4):586-97 (2010)

2009 Serial intravascular ultrasound assessment of atherosclerosis progression and regression. State-of-the-art and limitations.

2 [19638706] Circ J 73(9):1557-60 (2009)

2010 Imaging of coronary atherosclerosis: intravascular ultrasound.

3 [20823109] Eur Heart J 31(20):2456-69 (2010)

2010 Unravelling the endovascular microenvironment by optical coherence tomography.

4 [19933285] Eur Heart J 31(2):139-42 (2010)

2010 Expert review document on methodology, terminology, and clinical applications of optical coherence tomography: physical principles, methodology of image acquisition, and clinical application for assessment of coronary arteries and atherosclerosis.

5 [19892716] Eur Heart J 31(4):401-15 (2010)

2008 Innovations in imaging for chronic total occlusions: a glimpse into the future of angiography's blind-spot.

6 [18238930] Eur Heart J 29(5):583-93 (2008)

2008 Ultrasound imaging techniques for the evaluation of cardiovascular therapies.

7 [18334471] Eur Heart J 29(7):849-58 (2008)

2009 Imaging of the unstable plaque: how far have we got?

8 [19833636] Eur Heart J 30(21):2566-74 (2009)

2007 Intravascular ultrasound: questions and answers.

9 [17513214] Anadolu Kardiyol Derg 7(2):169-78 (2007)

Bone (Neoplasia)	Gene transfer	Neoplasia (Oncolytic virus)	
Bone (Traumatology)	Interleukin24 MDA7	Pancreas (Neoplasia)	
CNS (Blood brain barrier)	Kidney (Neoplasm)	Prostate (Neoplasia)	
CNS (Stroke BASKET)	Liver (Neoplasia)	Ultrasound (Toxicity and therapeutic use)	

2002 Nonthermal effects of therapeutic ultrasound: the frequency resonance hypothesis.

1 [16558674] J Athl Train 37(3):293-9 (2002)

2001 Therapeutic ultrasound in soft tissue lesions.

2 [11752501] Rheumatology (Oxford) 40(12):1331-6 (2001)

2008 High-intensity focused ultrasound: current potential and oncologic applications.

3 [18094311] AJR Am J Roentgenol 190(1):191-9 (2008)

2008 High-intensity focused ultrasound therapy: an overview for radiologists.

4 [18682666] Korean J Radiol 9(4):291-302 (2008)

2010 Blood-brain barrier disruption with focused ultrasound enhances delivery of chemotherapeutic drugs for glioblastoma treatment.

5 [20413754] Radiology 255(2):415-25 (2010)

2010 Leiomyoma shrinkage after MRI-guided focused ultrasound treatment: report of 80 patients.

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2009 Sonothrombolysis: a universally applicable and better way to treat acute myocardial infarction and stroke? Who is going to fund the research?

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2005 Pulsed high-intensity focused ultrasound enhances systemic administration of naked DNA in squamous cell carcinoma model: initial experience.

8 [15798154] Radiology 235(2):541-6 (2005)

2005 Advanced hepatocellular carcinoma: treatment with high-intensity focused ultrasound ablation combined with transcatheter arterial embolization.

9 [15858105] Radiology 235(2):659-67 (2005)

2009 The utilization of ultrasound and microbubbles for therapy in acute coronary syndromes.

10 [19541670] Cardiovasc Res 83(4):636-42 (2009)

2010 Ultrasound-assisted thrombolysis for stroke therapy: better thrombus break-up with bubbles.

11 [20876505] Stroke 41(10 Suppl):S50-3 (2010)

2010 Safety and efficacy of ultrasound-enhanced thrombolysis: a comprehensive review and meta-analysis of randomized and nonrandomized studies.

12 [20044531] Stroke 41(2):280-7 (2010)

2009 Ultrasound enhancement of fibrinolysis.

13 [19064806] Stroke 40(3 Suppl):S107-10 (2009)

2008 Ultrasound-enhanced thrombolysis: from bedside to bench.

14 [18340099] Stroke 39(5):1404-5 (2008)

2007 Spatio-temporal control of gene expression and cancer treatment using magnetic resonance imaging-guided focused ultrasound.

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2010 High-intensity focused ultrasound in the treatment of bone tumors: another treatment option for palliation and primary treatment?

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2004 High-intensity focused ultrasound: a revolution in non-invasive ultrasound treatment?

17 [15027006] Ultrasound Obstet Gynecol 23(3):216-7 (2004)

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18 [19291813] Ultrasound Obstet Gynecol 33(5):599-608 (2009)

2011 Potential adverse ultrasound-related biological effects: a critical review.

19 [21866043] Anesthesiology 115(5):1109-24 (2011)

2010 High intensity focused ultrasound treatment of small renal masses: Clinical effectiveness and technological advances.

20 [21116349] Indian J Urol 26(3):331-7 (2010)

2006 High-intensity focused ultrasound: a potential salvage treatment for recurrent prostate cancer following radiotherapy.

21 [16831068] Expert Rev Anticancer Ther 6(7):969-70 (2006)

2010 Eradication of therapy-resistant human prostate tumors using an ultrasound-guided site-specific cancer terminator virus delivery approach.

22 [19888195] Mol Ther 18(2):295-306 (2010)

- 2010 High intensity focused ultrasound ablation: a new therapeutic option for solid tumors.**
23 [21358073] J Cancer Res Ther 6(4):414-20 (2010)
- 2007 Therapeutic applications of transcranial ultrasound devices.**
24 [17187465] Expert Rev Med Devices 4(1):1-3 (2007)
- 2010 Current and Future Clinical Applications of High-Intensity Focused Ultrasound (HIFU) for Pancreatic Cancer.**
25 [21103296] Gut Liver 4 Suppl 1(-):S57-61 (2010)
- 2009 Low-intensity pulsed ultrasound: Fracture healing.**
26 [19838361] Indian J Orthop 43(2):132-40 (2009)
- 2009 Low-intensity pulsed ultrasound: Nonunions.**
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- 2008 Ultrasound in the management of osteoarthritis: part I: a review of the current literature.**
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- 2008 Safety assurance in obstetrical ultrasound.**
29 [18450141] Semin Ultrasound CT MR 29(2):156-64 (2008)
- 2008 Progress and problems in the application of focused ultrasound for blood-brain barrier disruption.**
30 [18511095] Ultrasonics 48(4):279-96 (2008)
- 2007 Ultrasound-biophysics mechanisms.**
31 [16934858] Prog Biophys Mol Biol 93(1-3):212-55 (2007)

Atherosclerosis (peripheral vessels) Imaging (Molecular)	Renal artery stenosis Ultrasound (enhanced)	Ultrasound and Duplexsonography	
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1991 Color Doppler flow imaging.

1 [1898567] AJR Am J Roentgenol 156(1):3-13 (1991)

1989 Clinical Doppler imaging.

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1988 The Doppler signal: where does it come from and what does it mean?

3 [2970215] AJR Am J Roentgenol 151(3):439-47 (1988)

2009 US artifacts.

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2008 Normal Doppler spectral waveforms of major pediatric vessels: specific patterns.

5 [18480479] Radiographics 28(3):691-706 (2008)

2003 AAPM/RSNA physics tutorial for residents: topics in US: Doppler US techniques:

6 concepts of blood flow detection and flow dynamics.

[12975518] Radiographics 23(5):1315-27 (2003)

2003 AAPM/RSNA physics tutorial for residents. Topics in US: B-mode US: basic concepts and new technology.

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Ultrasound navigation (Biology)			
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Immune deviation	Ultraviolet radiation (Therapeutic use)	Ultraviolet radiation (Toxicology)	
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2005 Mechanisms of UV-induced immunosuppression.

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DNA (Repair and Toxicology)	Neoplasia (Carcinogenesis)	Ultraviolet radiation (Therapeutic use)	
Immunosuppressive agents	Skin (Neoplasia)	Ultraviolet radiation (Toxicology)	
Natural products	TRPV1		

- 2007** **UV-induced immune suppression and photocarcinogenesis: chemoprevention by dietary botanical agents.**
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Bone marrow transplantation Leukemia (BASKET)	Umbilical cord blood Wharton s jelly		
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Umbravirus			
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2003 **Molecular biology of umbraviruses: phantom warriors.**
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ADTB3A	Developmental malformations deafness dystonia OMIM_607371	Limb girdle muscular dystrophy type 2B	REP1
Amyotrophic lateral sclerosis slow progressing ALS8	DTNBP1	LMAN1 ERGIC53	SEC23A
Amyotrophic lateral sclerosis	Dysferlin	Lowe s syndrome	SH2D1A
AP3B1	Elajalde syndrome Griscelli syndrome II	LYST CHS1	SNAP29
ARC syndrome	Factor V (Coagulation)	Martsolf syndrome	SPG20 Spartin
ARL6	Factor VIII (Coagulation)	MCFD2	SPG4 Spastin
Bardet Biedl syndrome	Familial hemophagocytic lymphohistiocytosis	Miyoshi s myopathy	Spinal muscular atrophy late onset
beta Actin	Griscelli s syndrome III	MLPH	Spinocerebellar ataxia5
beta3 spectrin	Griscelli s syndrome2	Myosin Ia Myo1a	STX11
BIRC4	Hemophagocytic lymphohistiocytosis	Myosin Va Myo5a	STXBP2
CEDNIK syndrome	Hereditary spastic paraplegia SPG10	Myosin VI	Syntaxin11
Cell secretion (Intracellular transport)	Hereditary spastic paraplegia SPG4	Myosin VIIa	Troyer syndrome SPG20
Charcot Marie Tooth disease type 2a	Hermansky Pudlak syndrome	Myosin XVa Myo15a	UNC13D Munc13 4 HPLH3
Charcot Marie Tooth disease type 2b	HPS1	OCRL1	Usher syndrome type Ib
Chediak Higashi syndrome	HPS3	OMIM_300104	VAPB
Choroideremia	HPS4	PRF1	VPS33B
COG7	HPS5	RAB27A	Warburg Micro syndrome
Congenital disorder of glycosylation type IIe	HPS6	RAB3GAP	
Cranio lenticulo sutural dysplasia	KIF1B	RAB7	
Deafness (Inherited)	KIF5A	RABGDIA	

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UNC5

13336

UNC5

Angiogenesis	Netrin1	NetrinG1	UNC5
DCC complex	Netrin2	NetrinG2	
DSCAM	Netrin3	NGL1	
Netrin	Netrin4	NGL2	

2008 **Netrins and UNC5 receptors in angiogenesis.**

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UNC53

13337

UNC53

Cell migration	Navigators	UNC53	
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Unconscious (Neurophysiology)			
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2006 **The cognitive-affective neuroscience of the unconscious.**

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Insulin (resistance)	Neuroprotective agents	Uncoupling protein	
Neoplasia (Tumor biology and immunology)	UCP2		

2009 Neuroprotective role of mitochondrial uncoupling protein 2 in cerebral stroke.

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Rheumatology (BASKET)	Undifferentiated connective tissue diseases		
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2011 Undifferentiated connective tissue disease presenting with prevalent interstitial lung
disease: case report and review of literature.

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Uner Tan syndrome			
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2010 Uner tan syndrome: history, clinical evaluations, genetics, and the dynamics of human quadrupedalism.

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Anoikis	Diabetes mellitus T2DM (Type2)	HIF1alpha und HIF1 (BASKET)	PACS2
Autophagy	Endoplasmic reticulum (BASKET)	Mitochondria (associated ER membrane)	Protein (folding)
BIP GRP78			SERCA
Calcium (Intracellular)	Ero1alpha	Mitochondria (BASKET)	Tuberculosis
Calnexin	ERp44	MTOR	Ubiquitin1
Calreticulin	ERp57	Neoplasia (Oncolytic virus)	Unfolded protein response
Cell stress (ER stress)	ERS UFR (Diseases)	Neoplasia (Tumor biology and immunology)	
	ERS UFR (Neoplasia)	Oxygen (Hypoxia)	

2004 Cerebral ischemia and the unfolded protein response.

1 [15379881] J Neurochem 91(1):1-8 (2004)

2001 The unfolded protein response: no longer just a special teams player.

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2010 ER stress and the unfolded protein response in intestinal inflammation.

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2008 Sorting, recognition and activation of the misfolded protein degradation pathways through macroautophagy and the proteasome.

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2011 Unfolded protein response in cancer: the physician's perspective.

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Unifiram

13343

Unifiram

Cognitive enhancer	Sunifiram	Unifiram	
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2006 Pharmacological characterization of DM232 (unifiram) and DM235 (sunifiram), new potent cognition enhancers.

1 [16834757] CNS Drug Rev 12(1):39-52 (2006)

Acne	FGFR2		
Apert syndrome	Unilateral acneiform nevus		

2009 Anti-acne agents attenuate FGFR2 signal transduction in acne.

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Rehabilitation (Neurology)	Unilateral neglect		
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2002 Treatments of unilateral neglect: a review.

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Uniparental disomia			
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2010 Cytogenetic contribution to uniparental disomy (UPD).

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Angelman s syndrome	Diabetes mellitus (neonatal)	Maternal hypomethylation syndrome	Russell Silver s syndrome
Beckwith Wiedemann syndrome	Genetics (Imprinting)	Prader Willi syndrome	Uniparental disomy of chromosome 14
Diabetes mellitus (neonatal transient)	Insemination (Artificial)	PTH (Pseudohypoparathyroidism)	

2008 A review of known imprinting syndromes and their association with assisted reproduction technologies.

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2008 Molecular mechanisms regulating phenotypic outcome in paternal and maternal uniparental disomy for chromosome 14.

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Unstable expanded repeats			
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2001 Dynamic mutations: a decade of unstable expanded repeats in human genetic disease.

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uPA

13349

uPA

uPA			
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uPARAP Endo180

13350

uPARAP Endo180

Extracellular matrix	Receptor (Collagen)	uPARAP Endo180	
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2009 **The collagen receptor uPARAP/Endo180.**

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Pyourachus	Urachus (Diseases)		
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2006**Pyourachus: study of two cases.**

1

[\[16823045\] Br J Radiol 79\(943\):e1-4 \(2006\)](#)

Urachus (Malformation)			
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2001 Urachal remnant diseases: spectrum of CT and US findings.

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2007 Complete excision of urachal cyst by laparoscopic means: a new approach to an uncommon disorder.

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2009 Persistence of an infected urachus presenting as acute abdominal pain. Case report.

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Urachus (Neoplasia)			
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2007 Urachal tumour: clinical and radiological features of a poorly understood carcinoma.

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DNA (Repair and Toxicology)	Uracil DNA glycosylase		
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2010 **Uracil-DNA glycosylase: Structural, thermodynamic and kinetic aspects of lesion search and recognition.**

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2009 **Generation, biological consequences and repair mechanisms of cytosine deamination in DNA.**

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Uracil

13355

Uracil

Uracil			
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2009 Uracil in DNA and its processing by different DNA glycosylases.

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Uranium			
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2010 The toxicity of depleted uranium.

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URAT1

13357

URAT1

Gout SLC2A9 GLUT9	URAT1 Uric acid		
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2010 Uric acid transport and disease.**1** [20516647] J Clin Invest 120(6):1791-9 (2010)**2009 Crystal ball gazing: new therapeutic targets for hyperuricaemia and gout.****2** [19109320] Rheumatology (Oxford) 48(3):222-6 (2009)

Analgesics agents and analgetic effects	Arachidonoyl serotonin	Pain (Neurophysiology)	TRPV1
Anandamide	Fatty acid amide hydrolase	SR141716 ttCB1	URB597 ttFAAH
Antiinflammatory compounds	Inflammation (BASKET)	TRPA1	

2010 Regulation of inflammatory pain by inhibition of fatty acid amide hydrolase.

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2010 The dual fatty acid amide hydrolase/TRPV1 blocker, N-arachidonoyl-serotonin, relieves carrageenan-induced inflammation and hyperalgesia in mice.

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Amino acids (Hereditary diseases)	Azauridine	Homocystinuria	Transporter (Ornithine adn citrulline)
Ammonia (Hyperammonemia)	Carbamoyl phosphate	Liver (Transplantation)	Urea cycle
Arginase	Carbamoylphosphate synthetase1	Lysinuric protein intolerance	Urea
Arginine	Carglumic acid	N Acetylglutamate synthase deficiency	
Argininosuccinate lyase	CNS (Stroke BASKET)	Ornithine carbamoyltransferase deficiency	
Argininosuccinate synthetase	Hepatic encephalopathy	Orotic acid	

1977 Urea biosynthesis I. The urea cycle and relationships to the citric acid cycle.

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2011 Role of carglumic acid in the treatment of acute hyperammonemia due to N-acetylglutamate synthase deficiency.

11 [21941437] Ther Clin Risk Manag 7(-):327-32 (2011)

2008 Contrasting features of urea cycle disorders in human patients and knockout mouse models.

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Conivaptan	Methylamines	SIADH	
Demeclocycline	Methylsulfonium compounds	Taurine	
Glycerol	Osmolytes	Urea cycle	
Hypotaurine	Polyol	Urea	

1978 Urea biosynthesis II. Normal and abnormal regulation.

1 [339704] Am J Clin Nutr 31(1):126-33 (1978)

1977 Urea biosynthesis I. The urea cycle and relationships to the citric acid cycle.

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1980 Determinants of ureagenesis, with particular reference to renal failure.

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Bronchopulmonary dysplasia Mycoplasma (BASKET)	Preterm infant Ureaplasma		
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2005 Mycoplasmas and ureaplasmas as neonatal pathogens.

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Urease			
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1995 Molecular biology of microbial ureases.

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1989 Microbial ureases: significance, regulation, and molecular characterization.

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Ureter (Anatomy)			
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1971 The structural basis for normal and abnormal ureteric motility. The innervation and musculature of the human ureter.

¹ [4940038] Ann R Coll Surg Engl 49(4):250-67 (1971)

Ureter (BASKET)

13364

Harnleiter (allg)

Ureter (BASKET)			
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1998 Myogenic and neurogenic factors in the control of pyeloureteral motility and ureteral peristalsis.

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Ureter (Catheter)			
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1989 168 double J (pigtail) ureteric catheter insertions: a retrospective review.

1 [19311247] *Ann R Coll Surg Engl* 71(3):205-6 (1989)

2005 Prevention of catheter-associated urinary tract infection.

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2010 Management of catheter-associated urinary tract infection.

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Ureter (Fistula)			
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Ureter (Ureteropelvic junction obstruction)	Urinary tract (MRT)	Urinary tract (Obstructive uropathy)	
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**Dynamic contrast-enhanced MR urography in the evaluation of pediatric
2005 hydronephrosis: Part 2, anatomic and functional assessment of uteropelvic junction
1 obstruction.**

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**2005 Adult ureteropelvic junction obstruction: insights with three-dimensional multi-
detector row CT.**

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Ureter (Ureterostomy)

13368

Harnleiter (Ureterostomie)

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Anus (Anatomy)	Pelvic floor (Anatomy)	Urethra (Anatomy)	
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2010 Neural control of the female urethral and anal rhabdosphincters and pelvic floor muscles.

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Urethra (Artificial urinary sphincter)			
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2011 Quality of life and patient satisfaction after artificial urinary sphincter.

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Urethra (Diverticulum)			
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2008 **Imaging of female urethral diverticulum: an update.**

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Urethra (Stricture and stenosis)			
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Urethra (Urethral valve)			
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Cardiovascular risk Kidney (Chronic renal failure)	Kidney (Progression of renal disease) Uric acid (Hyperuricemia)		
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Kidney (Physiology)	SLC2A9 GLUT9	URAT1	

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Uricosurica

13376

Urikosurika

Uricosurica			
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1974

Pharmacology of uricosuric drugs.

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**Uridine 5' diphospho
glucuronosyltransferase**

13377

**Uridine 5' diphospho
Glucuronosyltransferase**

Neoplasia (Personalized cancer therapy)	Uridine 5' diphospho glucuronosyltransferase		
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Bladder (Augmentation)	Fecal incontinence	Toilet training	
Botulinus toxin (Therapeutic use)	Genitalia (Prolapse)	Urinary incontinence	
Falls	Solifenacin		

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Urinary tract (Calcification)

13379

Harnwege (Verkalkung)

Urinary tract (Calcification)			
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1998 **Abnormal calcifications in the urinary tract.**
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Kidney (CT)	Urinary tract (CT)	Urinary tract (Neoplasm)	
Kidney (Hematuria)	Urinary tract (MRT)	Urinary tract (Traumatology)	

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Nephrolithiasis	Urinary tract (Endoscopy)		
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Urinary tract (Fistula)			
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Radiation damage and control	Urinary tract (Imaging)	Urinary tract (Vesico ureteral reflux)	
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Cowper's syngocele	Urinary tract (Malformation)		
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Ureter (Ureteropelvic junction obstruction)	Urinary tract (MRT)		
Urinary tract (CT)	Urinary tract (Obstructive uropathy)		

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Neoplasia (Tumor biology and immunology)	Urinary tract (Neoplasm)		
Urinary tract (CT)	Vinflunine		

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Calcium (Physiology renal)	Kidney (Obstructive uropathy)	Ureter (Ureteropelvic junction obstruction)	Urinary tract (Obstructive uropathy)
Kidney (Fibrosis)	Megaureter	Urinary tract (MRT)	

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Urinary tract (Stent)			
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Endometriosis	Urinary tract (Imaging)	Urinary tract (Vesico ureteral reflux)	
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Acidosis (metabolic)	Calcium (Hypercalciuria)	Ion channel (Magnesium)	TRPM6
Alkalosis (metabolic)	Calcium (Physiology renal)	Kidney (Tubulus TALH)	TRPV5
AQP2	CASR	Magnesium (Physiology Kidney)	Urine (Acid)
ATP13A4	Claudin16	Methods of experimental Nephrology	
Calbindin D28k	Cnnm2	Nephrolithiasis	
Calbindin D9k	Hypomagnesemia with hypercalciuria familiar	Transporter (Proton)	

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Adrenomedullin	Ghrelin	Urocortin	
Antiinflammatory compounds	Heart failure (BASKET)	Vasoactive intestinal peptide	
Cortistatin	MSH		

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Adrenomedullin	Natriuretic peptides	Vessel dilator	
Kidney (Failure acute)	Urodilatin		

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Guanylin	Uroguanylin		
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Paraphimosis	Testis (Torsion)		

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Uroplakin	Urothelium		
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Uropod

13400

Uropod

Uropod			
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Uropygial gland

13401

Buerzeldruese Uropygial gland
IMHO

Bird	Uropygial gland		
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Urotensin			
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Adherens junction	Ion channel (TRP Family)	Uroplakin	
ASIC acid sensitive ion channels	Mechanotransduction	Urothelium	
Bladder (Physiology)	TRPV4		

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Apoptosis	Cholic acid	Hepatitis C	
Biliary system (Cholestasis BASKET)	Colon and rectum (Neoplasia)	Ursodeoxycholic acid	
Chemoprevention	ERS UFR (Pharmacology)		

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Allergic rhinitis	Eczema	Levocetirizine	Urticaria
Desloratadine	Histamine antagonists	Rupatadine	

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Urticarial vasculitis			
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USAG1**13408****USAG1**

BMP antagonists	Coco	Noggin	USAG1
Cerberus	Dan	PRDC	
Chordin	Gremlin	SOST Sclerostin	

2004 Comparative genomic analysis of the eight-membered ring cystine knot-containing
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USF

13409

USF

Hemopoiesis (BASKET)	TAL1 SCL	USF	
Myc	TFII I		

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Cadherin15	Hair cell	Sans	
Cadherin23	Harmonin	Usher s syndrome	
Ear (Development)	Myosin VIIa		

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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		

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USP10

13412

USP10

USP10

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USP4

13413

USP4

ARNO Receptor (Adenosine)	Translin associated protein X USP4		
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Calbindin D9k	FGF23	TRPV6	Vitamin D
Calcium (Physiology Intestines)	TRPV5	Ussing chamber	

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81C6 ttTenascin	Cetuximab ttEGFR	Ipilimumab ttCTLA4	Raxibacumab ttAnthrax
Abatacept ttCTLA4Conjugate	Crohn s disease	Mepolizumab ttIL5	REGN88 ttIL6R
Abciximab ttGPIIAIIIB	Daclizumab ttIL2R	Motavizumab ttRSVirus	Reslizumab ttIL5
Adalimumab ttTNFalpha	Dalotuzumab ttIGF1R	MuromonabCD3 ttCD3	Rilonacept ttIL1R
AIN457	Denosumab ttRANKL	Naptumomab estafenatox tt5T4	Rituximab ttCD20
Alemtuzumab ttCD52	Eculizumab ttFactorH	Natalizumab ttIntegralalpha4	Solanezumab ttAmyloidBeta
AMG386 ttAngiopoietin1 ttAngiopoietin2	Efalizumab ttLFA1	Necitumumab ttEGFR	T1H ttCD6
Antibodies (therapeutic use)	Epratuzumab ttCD22	Nimotuzumab ttEGFR	Tanezumab ttNGF
Arthritis (rheumatoid)	Etanercept ttTNFalpha	Obinutuzumab ttCD20	Teplizumab ttCD3
Atacept ttBlys ttAPRIL	FactorIXFc ttFactorIX	Ocrelizumab ttCD20	Tocilizumab ttIL6
Bapineuzumab ttAmyloidBeta	FactorVIIIc ttFactorVIII	Ofatumumab ttCD20	Tositumomab ttCD20
Basiliximab ttIL2R	Farletuzumab ttFolateRalpha	Omalizumab ttCD20	Trastuzumab emtansine ttHER2
Belatacept ttCD80 ttCD86	Figitumumab ttIGF1R	Otelixizumab ttCD3	Trastuzumab ttHER2
Belimumab ttBLYS	Galiximab ttCD80	Pagibaximab ttLipoteichoicAcidStaphylococcus	Tremelimumab ttCLTA4
Bevacizumab ttVEGF	Gemtuzumab ozogamicin ttCD33	Palivizumab ttRSVirusFprotein	Ustekinumab ttIL12 ttIL23
Brentuximab vedotin ttCD30	Girentuximab ttCarbomicAnhydriaseIX	Panitumomab ttEGFR	Vedolizumab ttIntegrina4b7
Briakinumab ttIL12 ttIL23	Golimumab ttTNFalpha	Pertuzumab ttHER2	Zalutumumab ttEGFR
Canakinumab ttIL1beta	Ibritumomab tiuxentan yttrium ttCD20	Psoriasis	Zanulimumab ttCD4
Catumaxomab ttEpCAM ttCD3 linkerAb	Infliximab ttTNFalpha	Ramucirumab ttVEGFR2	
Certolizumab ttTNFalpha	Inotuzumab ozogamicin ttCD22	Ranibizumab ttVEGF	

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Usurped SLRP

13416

Usurped SLRP

Usurped SLRP			
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Usutu virus

13417

Usutu virus

Usutu virus			
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2011 **Usutu virus: potential risk of human disease in Europe.**
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Uteroglobin

13418

Uteroglobin

Uteroglobin			
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2007 **Uteroglobin: a steroid-inducible immunomodulatory protein that founded the Secretoglobin superfamily.**

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Uterus (Anatomy)			
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Uterus (CT)

13420

Gebaermutter (CT)

Uterus (CT)			
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Surgery (Robotic)	Uterus (Ectomy)	Uterus (Neoplasia)	
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Uterus (Hysterosalpingography)			
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Uterus (Hysteroscopy)

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Gebaermutter (Hysteroskopie)

Uterus (Hysteroscopy)			
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Uterus (Imaging)	Uterus (Sonography)		
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2001 Imaging the endometrium: disease and normal variants.

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Uterus (Infection)			
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Surgery (Robotic)	Uterus (Leiomyoma)		
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Endometrium (Neoplasia)	KLF6	PEComa	Uterus (Neoplasia)
Human papilloma virus	KLF9	Raman spectroscopy	
KLF	Mammary gland (Neoplasia)	Receptor (Progesterone)	
Klf4	NAC1	Uterus (Ectomy)	

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Uterus (Trachelectomy)			
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Ovary (Transplantation)	Uterus (Transplantation)		
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- 2010** **Experimental uterus transplantation.**
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Utrophin

13432

Utrophin

Dystrophin	Utrophin		
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UTX

13433

UTX

Histone demethylase	UTX		
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Ambra1	Autophagy	LC3	
ATG5	BAR protein domain	PI3KC3	
ATG6 Beclin1	BCL2	UVRAG	
ATG9	Bif1 SH3GLB1 Endophilin B	Vps34	

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Holliday junction	UvrC GIY protein domain	XPG	
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Autoimmunity	Influenza	Vaccine regulation	
CNS (Malformation)	Thimerosal	Yellow fever	
Human papilloma virus	Vaccination fatalities		

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CpG Oligonucleotides	Monophosphoryl lipid A	TLR7	Vaccine (Dendritic cell)
Flagellin	T cell (CD4pos)	TLR8	Vaccine (Oncology)
Grp170	T cell (Th17)	Toll like receptor	
Interleukin24 MDA7	TLR5	Vaccine (Adjuvants)	

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Avipoxviruses	Dendritic cell (Myeloid)	NLRP3	T cell (Th17)
Bacillus subtilis	HLA and MHC	Norovirus	TLR3
Biofilm (Microbiology)	Human papilloma virus	Rabies	Vaccine (BASKET)
CpG Oligonucleotides	MDA5	RNA (dsRNA)	

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5T4 Oncotrophoblast glycoprotein	Cyclophosphamide	Mimotopes	Regulatory T cell
Autoantibodies Anti Tumor associated Antigens	GM CSF	Minor histocompatibility antigen	Vaccine (Adjuvants)
CD25	Immunotherapy (Adoptive cell transfer)	Neoplasia (Imaging)	Vaccine (Dendritic cell)
Cell Secretion (Exosomes)	Kidney (Neoplasia RCC)	Neoplasia (Tumor biology and immunology)	Vaccine (Oncology)
CNS (Neoplasia Glioma)	Kidney (Neoplasm)	NK cells	
Colon and rectum (Neoplasia)	Lymphoma (BASKET)	PCD (Multiple myeloma and other plasma cell dyscrasias)	
CTLA4	Lymphoproliferative disorders (Viral pathogenesis)	Prostate (Neoplasia)	

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RS virus	Vaccination fatalities	Vaccine regulation	
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AEG1	Esophagus (Atresia)	Foxl1	SOX2
Anophthalmia	Feingold syndrome	Hedgehog	Tracheo esophageal fistula (congenital)
Esophageal Genital Syndrome	FOXC2	MTHFSD	VACTERL association
CHARGE syndrome	FOXF1	N Myc	
CHD7			

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AZD2171	Sorafenib	VEGF	
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Aciclovir	Famciclovir pdPenciclovir	Herpes simplex virus	
Cidofovir	Foscarnet	Valacyclovir pdAcyclovir	

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Celecoxib	Lumiracoxib	Rofecoxib	
Etodolac	Meloxicam	Valdecoxib	
Etoricoxib	Non steroidal anti inflammatory drugs		

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Valosin containing protein

13460

Valosin containing protein

Frontotemporal lobar degeneration IBMPFD	Paget s disease (Bone) Valosin containing protein		
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15 deoxy Delta 1214 prostaglandin J2 15d PGJ2	Down s syndrome	Neuroigin3 NLGN3	Suberoylanilide hydroxamic acid tHDAC6
Angelman s syndrome	ERS UFR (Diseases)	Neuroigin4 NLGN4	Thalidomide
Atherosclerosis (BASKET)	ERS UFR (Pharmacology)	NRXN1 Neurexin1	Tuberous sclerosis
Autism	Fragile X syndrome	Phenylketonuria	Valproic acid
Catch22	GSK3	PTEN MMAC1 TEP1	
Cholesterol	HOXA1	Rett s syndrome	
CMV	MECP2	Rubella	
Cornelia de Lange syndrome	Neurofibromatosis	SHANK3	

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Anticonvulsive agents	Fluorofelbamate	Remacemide	Stiripentol
Brivaracetam	Fosphenytoin	Retigabine	Talampanel
Carabersat	Ganaxolone	Rufinamide	Valrocecide
Carisbamate	Lacosamide	Safinamide	
DP valproic acid	Losigamone	Seletracetam	
Eslicarbazepine	Pregabalin	Soretolide	

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Valsalva maneuver			
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VAMP**13464****VAMP**

beta cell (Pancreas)	Munc18c	SNAP25	VAMP
Cell secretion (Granule secretion)	SNAP23	Syntaxin	

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Bone (Physiology) LRP5 LDL Receptor Related Protein5 Arrow	Osteoporosis pseudoglioma syndrome Sclerostosis	SOST Sclerostin van Buchem s disease	Wnt beta Catenin TCF
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Linezolid	Ramoplanin		
Quinopristin dalfopristin	Vancomycin resistant enterococcus		

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Erythromycin	Teicoplanin	Vancomycin	
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Vandetanib

13470

Vandetanib

Lung and bronchial system (Neoplasia)	Vandetanib		
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Anandamide	Pain (Neurophysiology)	TRPV1	
Arterial hypertension (BASKET)	Prostate (Neoplasia)	Vanilloids	

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Vanishing bile duct syndrome			
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VAP1

13473

VAP1

CD73	Cell migration	VAP1	
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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		

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Erectile dysfunction	Vardenafil		
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Bupropion	Nicotine	Varenicline	
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Adenovirus	Filovirus	Influenza	Transplantation
CMV	FV100	Multiple sclerosis	Varicella zoster virus
CNS (Stroke BASKET)	Hanta virus	RS virus	Virus (Immune reaction)
CNS (Vasculitis)	Herpes simplex virus	SARS	

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Infertility	Varicocele		
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Chronic venous insufficiency	Varicosis		
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Vasa vasorum

13480

Vasa vasorum

Blood vessels (Physiology)	Vasa vasorum		
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2007

The dynamic vasa vasorum.

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Vascular ring (Imaging)			
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Autoantibodies ANCA	Kidney (Disease models)	SCG KJ mice	
Kawasaki s disease	Neutrophil extracellular traps	Vasculitis (ANCA associated)	

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alpha1 Antitrypsin and its deficiency A1AT	Eye (Diseases)	Pregnancy (Diseases)	Virus (Immune reaction)
Atherosclerosis (BASKET)	Hepatitis C	Rituximab ttCD20	
Autoantibodies Anti Endothelial cell	Lung (Imaging)	Vasculitis (BASKET)	
Cell Secretion (Exosomes)	Mycophenolic acid	Vasculitis (Imaging)	

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Vasculitis (Eye)			
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Behcet	Infection (PET)	Polyarteriitis nodosa	
CNS (Angiography)	Infection (Scintigraphy)	Vasculitis (BASKET)	
Infection (Imaging)	Lung (Imaging)	Vasculitis (Imaging)	

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Amyloid neuropathy familiar	Neuropathy peripheral	Transthyretin	
Diabetes mellitus (Involvement central peripheral autonomic nervous systems)	Peripheral nervous system (Small fiber neuropathy)	Vasculitis (Nervous system)	

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Neoplasia (Tumor biology and immunology)	Vasculogenic mimicry		
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- 2010** Molecular regulation of vasculogenic mimicry in tumors and potential tumor-target therapy.
¹ [21160860] World J Gastrointest Surg 2(4):117-27 (2010)

Adrenomedullin	HGF	Neuroprotective agents	TRPV4
Antiinflammatory compounds	Ikaros IKZF1 LyF1	PACAP	Urocortin
Circadian clock	Immune deviation	Peptide histidine isoleucine	Vasoactive intestinal peptide
Cortistatin	Immunopharmacology	Receptor (VIP und PACAP)	VPAC1
Dendritic cell (Immunology)	Interleukin10	Regulatory T cell	VPAC2
G CSF	Merkel cells	TGF beta	
Ghrelin	MSH	Tolerance (Immunology)	

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Vasoinhibin			
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Vasomotor rhinitis			
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RAAS (Renin angiotensin system)	Vasopeptidase inhibitor		
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Sodium (Hyponatremia)	SR121463	Vasopressin V2 antagonists	
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Fasudil	Vasospasm (Intracranial)		
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Blood vessels (Permeability)	VASP Vasodilator stimulated phosphoprotein		
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Vaults

13495

Vaults

MVP	TEP1	Vaults	
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Vav			
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Ductus thoracicus	VCP Valosin containing protein		
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VDUP1

13498

VDUP1

VDUP1			
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Adherens junction	Blood vessels (Permeability)	VE Cadherin	
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Vector (Carrier of infectious agents)			
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81C6 ttTenascin	Cetuximab ttEGFR	Ipilimumab ttCTLA4	Raxibacumab ttAnthrax
Abatacept ttCTLA4Conjugate	Daclizumab ttIL2R	Mepolizumab ttIL5	REGN88 ttIL6R
Abciximab ttGPIIAIIIB	Dalotuzumab ttIGF1R	Motavizumab ttRSVirus	Reslizumab ttIL5
Adalimumab ttTNFalpha	Denosumab ttRANKL	MuromonabCD3 ttCD3	Rilonacept ttIL1R
AIN457	Eculizumab ttFactorH	Naptumomab estafenatox tt5T4	Rituximab ttCD20
Alemtuzumab ttCD52	Efalizumab ttLFA1	Natalizumab ttIntegralpha4	Solanezumab ttAmyloidBeta
AMG386 ttAngiopoietin1 ttAngiopoietin2	Epratuzumab ttCD22	Necitumumab ttEGFR	T1H ttCD6
Antibodies (therapeutic use)	Etanercept ttTNFalpha	Nimotuzumab ttEGFR	Tanezumab ttNGF
Atacept ttBlys ttAPRIL	FactorIXFc ttFactorIX	Obinutuzumab ttCD20	Teplizumab ttCD3
Bapineuzumab ttAmyloidBeta	FactorVIII Fc ttFactorVIII	Ocrelizumab ttCD20	Tocilizumab ttIL6
Basiliximab ttIL2R	Farletuzumab ttFolateRalpha	Ofatumumab ttCD20	Tositumomab ttCD20
Belatacept ttCD80 ttCD86	Figitumumab ttIGF1R	Omalizumab ttCD20	Trastuzumab emtansine ttHER2
Belimumab ttBLYS	Galiximab ttCD80	Otelixizumab ttCD3	Trastuzumab ttHER2
Bevacizumab ttVEGF	Gemtuzumab ozogamicin ttCD33	Pagibaximab ttLipoteichoicAcidStaphylococcus	Tremelimumab ttCLTA4
Brentuximab vedotin ttCD30	Girentuximab ttCarbomicAnhydraseIX	Palivizumab ttRSVirusFprotein	Ustekinumab ttIL12 ttIL23
Briakinumab ttIL12 ttIL23	Golimimumab ttTNFalpha	Panitumomab ttEGFR	Vedolizumab ttIntegrina4b7
Canakinumab ttIL1beta	Ibritumomab tiuxentan yttrium ttCD20	Pertuzumab ttHER2	Zalutumumab ttEGFR
Catumaxomab ttEpCAM ttCD3 linkerAb	Infliximab ttTNFalpha	Ramucirumab ttVEGFR2	Zanulimumab ttCD4
Certolizumab ttTNFalpha	Inotuzumab ozogamicin ttCD22	Ranibizumab ttVEGF	

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VEGF A

13503

VEGF A

VEGF A

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VEGF C

13504

VEGF C

VEGF C	VEGFR3		
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Aflibercept	CLC1 cardiotrophin like cytokine1	Kidney (Glomerulus)	Receptor (Urokinase)
Angiogenesis	CNS (Neoplasia Glioblastoma)	Kidney (Minimal change nephrotic syndrome)	Sorafenib
Angiopoietin1		Kidney (Pathology)	Src
Apoptosis	Diabetes mellitus (Involvement kidney)	Kidney (Podocytes)	Sunitinib
Axitinib	Embryology (BASKET)	ORAI1 CRACM1	Tivozanib
AZD2171	Eye and orbita (Neovascularization)	Ovary (Neoplasia)	Vadetanib
Bevacizumab ttVEGF		Pegaptanib	VEGF
bFGF	Galactose	Radiation therapy	
Blood vessels (Permeability)	Hemopexin	Ranibizumab ttVEGF	
	Interleukin24 MDA7		
	JNK		

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VEGFE

13506

VEGFE

VEGFE			
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VEGFR2

13507

VEGFR2

ACC133	Endothelium	Receptor (VEGF)	
CD34	Hemangioblast	VEGFR2	

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VEGFR3**13508****VEGFR3**

ACVRLK1	FOXC2	NDP	SOX18
AGGF1 VG5Q	Glomulin	NEMO	Tie2
Angiogenesis	Klippel Trenaunay syndrome	NOTCH3	TIMP3
Blood vessels (Malformation)	KRIT1	PDCD10	VEGF C
COL3A1	MADH4	PTEN MMAC1 TEP1	VEGFR3
ENG	MGC4607	RASA1	

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VEGI			
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Veins (Malformation)

13511

Vene (Fehlbildung)

Veins (Malformation)			
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Velopharynx hypodynamic			
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Vena cava (Anatomy)			
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Img (Dermatology)	Thrombosis (BASKET)	Vena cava (Diseases)	
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Vena cava (Imaging)			
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Aorta (CT)	Aorta (Malformation)	Vena cava (Malformation)	
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Vena cava diameter			
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Vena portae (Thrombosis)			
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Vena saphena magna

13521

Vena saphena magna

Leg (Anatomy)	Vena saphena magna		
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Child abuse and neglect Infertility	Lymphogranuloma venereum Venerous diseases		
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Venlafaxine

13523

Venlafaxin

Venlafaxine			
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Blood vessels (Permeability)	Macrophages	Propargyloxyphenyl hexanoic acid ttP450epoxygenase	Ventilation (Barotrauma)
Epoxyeicosatrienoic acid EET	Methyl arachidonyl fluorophosphonate ttPLA2	Pulmonary edema	
Lung (Anatomy)	Peroxyneitrite	TRPV4	

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Ventilation (disturbed)			
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COPD	Xenon		

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Beatmung (Liquid)

Ventilation (Liquid)			
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2003

Liquid ventilation.

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Airways (Clearance) Artificial ventilation (BASKET)	Artificial ventilation (non invasive) Breathing (Neurophysiology)	Ventilation (Neuromuscular diseases)	
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Ventilation (Recruitment)			
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Breathing (Neurophysiology) Chemosensation	Nucleus tractus solitarius Pre Boetzing complex	Ventral respiratory network	
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3 alpha hydroxy 5 alpha pregnan 20 one Addiction (BASKET)	Alcohol Hypothalamus (Anatomy)	Orexin Reward (Neurophysiology)	Ventral tegmental area
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Agouti	Krox20 Egr2	Obesity (BASKET)	Zucker rat
Arcuate nucleus	Leptin	Otsuka Long Evans Tokushima fatty rat OLETF rat	
Db mouse	Neuropeptide Y		
Dorsomedial nucleus	Nutrition (Neuroendocrinology)	Paraventricular nuclei	
Koletsky rat	ob ob mouse	Tubby mouse Ventromedial nucleus	

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Veralipride

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Veralipride

Climacteric period	Veralipride		
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2010

Actual status of veralipride use.

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Heart (Arrhythmia)	Verapamil		
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Cholera Toxin	Verotoxin		

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Verproline

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Verprolin

Verproline			
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Versican			
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Vertebrobasilar dissection			
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Verteporfin			
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Vertical expandable prosthetic titanium rib			
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Clinical examination (Neurology)	Postural control	Vertigo	
Nystagmus	Sudden hearing loss		

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CNS (Stroke BASKET) Heart (Coronary heart disease BASKET)	Nanog Oct4	Regeneration of tissues and other biologic structures SSEA1	Very small embryonic like cells
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Neoplasia (Oncolytic virus)	Vesicular stomatitis virus		
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Orbivirus	Sandfly fever Naples virus	Toscana virus	

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Vessel dilator

13554

Vessel dilator

Adrenomedullin	Natriuretic peptides	Vessel dilator	
Kidney (Failure acute)	Urodilatin		

2003 **Natriuretic peptides and acute renal failure.**

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Meniere s disease	Vestibular evoked myogenic potentials		
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VGf peptide

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VGf Peptide

VGf peptide			
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Chuvash polycythemia	HIF1alpha und HIF1 (BASKET)	Kidney (Neoplasm)	
Erythrocytes (Erythropoiesis)	HIF2alpha	PHD2	
FIH1	Kidney (Neoplasia RCC)	VHL	

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Vibrio fluvialis

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Vibrio fluvialis

Vibrio fluvialis			
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Bacteria (Toxins)	Enterotoxins	Vibrio parahaemolyticus	
Cholera Toxin	Verotoxin		

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Vibrio vulnificus

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Vibrio vulnificus

Vibrio vulnificus			
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2009 **Vibrio vulnificus: disease and pathogenesis.**
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Vibrio			
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Barrel cortex	CNS (Cerebral cortex)	Vibrissa	
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Vif

13563

Vif

APOBEC3F	HIV1	Virus (Restriction)	
APOBEC3G	Vif		

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Vigilance reduction

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Vigilanzreduktion

Vigilance reduction			
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Diabetes mellitus (t Incretins)	Exenatide	Vildagliptin	
Diabetes mellitus (t Insulin Analogs)	Sitagliptin		

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VILIP1

13567

VILIP1

VILIP1			
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Vimentin

13568

Vimentin

Intermediate filaments	Vimentin		
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Vinblastine

13569

Vinblastin

Antineoplastic agents (Spindle poisons) Paclitaxel	Vinblastine Vinca alkaloids		
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2011 **Spindle poisons and cell fate: a tale of two pathways.**

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Antineoplastic agents (Spindle poisons) Paclitaxel	Vinblastine Vinca alkaloids		
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Vinculin

13571

Vinculin

Immunological synapse	Podosome	Vinculin	
Paxillin	Talin		

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Vinexin

13572

Vinexin

ArgBP2	Signal transduction		
CAP ponsin	Vinexin		

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Bladder (Neoplasia)	Urinary tract (Neoplasm)		
Lung and bronchial system (Neoplasia)	Vinflunine		

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Vinorelbine

13574

Vinorelbin

Vinorelbine			
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[\[10864196\] Br J Cancer 82\(12\):1907-13 \(2000\)](#)

Neuroprotective agents	Vinpocetine ethyl apovincamate		
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Violence (BASKET)			
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Violence (Concept Gewalt rituell)

13577

Gewalt (Rituell)

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Virchow Robin space			
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Avoparcin	Virginiamycin		
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Endocannabinoid	Virodhamine		
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Viroid			
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Viroporin

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Viroporin

Viroporin			
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2003

Viroporins.

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Gag	Retrovirus (BASKET)		
HIV1	Virus (Assembly)		

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Apoptosis	HIV1	Paramyxovirus	Thioredoxin
Ask1	Host pathogen interaction	Peroxisredoxin	Thioredoxin2
Autophagy	Immunology (BASKET)	Quasispecies	TMX transmembrane thioredoxin related molecule
CD317 Tetherin BST2	Infection control and surveillance	Ribosome	Tunneling nanotube
Cell stress (ER stress)	Innate immunity	RNA (MicroRNA)	Virus (BASKET)
Cytosomes	IRES	SARS	Virus (DNA Virus)
DNA (Repair and Toxicology)	Metagenomics	Structure determination at molecular level and finer	Virus (Endocytosis)
Efferocytosis	Mitochondria (Permeability transition)	Teratogenesis	Virus (Restriction)
Glycosphingolipid	MTOR	Thioredoxin binding protein2 vitamin D3 upregulated protein1	

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DNA (Repair and Toxicology)	Virus (Cytopathogenic effect)	Virus (Integration)	
Human herpesvirus8	Virus (Endocytosis)	Vpr	

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MTOR	Virus (BASKET)	Virus (DNA Virus)	
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Aids	Herpes simplex virus	Nipah virus	Virus (Endocytosis)
Alphavirus	Herpesvirus (BASKET)	Papillomavirus	Virus (Exocytosis)
Bacteriophage	Human herpesvirus8	Paramyxovirus	
Cofilin	Human papilloma virus	RS virus	
EBV Epstein barr virus	Measles	Virus (BASKET)	
Hendra virus	Metapneumovirus	Virus (Cytopathogenic effect)	

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Virus (endogen)

13590

Virus (endogen)

Virus (endogen)			
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CD317 Tetherin BST2	Measles	Virus (Endocytosis)	
Influenza	Plants (BASKET)	Virus (Exocytosis)	

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2 5 Oligoadenylate synthetase	Hepatitis C	RNase L	Virus (Immune reaction)
Aids	Interferon alpha and preliminary (BASKET)	SOCS	Virus (Intracellular response)
CD317 Tetherin BST2	Regulatory T cell	Toll like receptor	
Dendritic cell (Immunology)	RIG I	Varicella zoster virus	
DICER	RLH RIG I like helicases	Vasculitis (BASKET)	

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Virus (Infection in immunological compromised population)			
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Aids Herpesvirus (BASKET)	Virus (Cytopathogenic effect) Virus (Integration)	Vpr	
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CREB3L1 Dendritic cell (Immunology) ERS UFR (Induced Mediators)	Inflammation (BASKET) RIG I RLH RIG I like helicases	Virus (Immune reaction) Virus (Intracellular response) XBP1	
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APOBEC3G	TRIM5alpha	Virus (Restriction)	
Cyclophilin A	Vif		

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Neoplasia (Tumor biology and immunology)	RNA (MicroRNA)		

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Virus (Taxonomy)			
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Adipokine	NAD	RBP4	
Adiponectin	NAMPT	Resistin	
Leptin	Obesity (BASKET)	Visfatin	

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Amacrine cell	Eye (Development)	Hearing (Neurophysiology)	Pulvinar
Bipolar cell	Eye (Electroretinogram)	Hebb synapse	Receptive field
Classification images	Eye (Organ replacement)	Learning and memory (Neurophysiology)	Synapse (Ribbon)
CNS (Cerebellum)	Eye (Retina BASKET)	Neuronal network (Neurophysiology)	Vision (Neurophysiology)
CNS (Cerebral cortex)	Floccular complex	Nucleus geniculatus	Vitamin A
CNS (Development)	GCAP1	Ontology	
Colliculus superior	GCAP2	Phosphene	

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Vision (Polarized light)			
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Antigen presenting cell	Spermatogenesis and spermatozoon	Vitamin A	
Eye (Development)	Vision (Neurophysiology)	Vitamin D	

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Bacteria (Metabolism)	Riboswitch	Transporter (Vitamin B1)	
Enzyme structure and chemistry	THTR1	Vitamin B1	

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Adenosyl Cobalamin	Dementia (BASKET)	Molybdenum cofactor	Vitamin B12
Anemia (Hemolytic and immunohemolytic)	Enzyme structure and chemistry	Pyridoxal phosphate	Vitamin B5 Pantothenate
Anemia (Pernicious)	Folic acid	Remethylierung	Vitamin B6
Antidementative agents	Holotranscobalamine	Tetrahydrofolate	
Biotin	Homocysteine	Transsulfuration	

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Biotin	Molybdenum cofactor	Vitamin B5 Pantothenate	
Folic acid	Vitamin B12		

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Antidementative agents	Homocysteine	Transsulfuration	
Epilepsy (BASKET)	Pyridoxal phosphate	Vitamin B12	
Folic acid	Remethylierung	Vitamin B6	

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1 alpha hydroxylase Calcium (Hypocalcemia)	Receptor (Vitamin D) vitamin D dependent rickets1	Vitamin D dependent rickets2 Vitamin D	
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2010 Genetic disorders and defects in vitamin d action.

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1 alpha hydroxylase Calcium (Hypocalcemia)	Receptor (Vitamin D) vitamin D dependent rickets1	Vitamin D dependent rickets2 Vitamin D	
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2010 Genetic disorders and defects in vitamin d action.

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1 alpha hydroxylase	Cinacalcet	JNK	Prostate (Neoplasia)
1alpha dihydroxycholecalciferol	Claudin12	Kidney (Chronic renal failure)	PTH (Hyperparathyroidism secondary)
20 Epi 1 25 dihydroxyvitamin D3	Claudin17	Kidney (Intercalated cell)	RANKL
25 hydroxycholecalciferol	Claudin2	Kidney (Osteopathy renal)	Receptor (RXR)
Anabolic agents	COPD	Kidney (Principal cells)	Receptor (Vitamin D)
Antiinflammatory compounds	Curcumin	Kidney (Tubulus CCD)	RelB
Antineoplastic agents (Novel target ideas)	CYP24A1 1 25 hydroxyvitamin d3 24 hydroxylase	Kidney (Tubulus CNT)	Runx2
Asthma (BASKET)	Cyp24a1	Kidney (Tubulus Distal Convoluted)	Transporter (Sodium and phosphate)
Autophagy	CYP27B1 25OHD 1alpha hydroxylase	Kidney (Tubulus MCD)	TRPV5
B cell (Immunology)	DBP	Kidney (Tubulus MCD)	TRPV6
BSPRY	Diabetes mellitus (Involvement heart and vessels)	Klotho	Ussing chamber
CALB3	Docosahexaenoic acid	Lithocholic acid	Vitamin A
Calbindin D28k	Eldecalcitol	LRP5 LDL Receptor Related Protein5 Arrow	vitamin D dependent rickets1
Calbindin D9k	ERS UFR (Pharmacology)	Macrophages	Vitamin D dependent rickets2
Calcium (Hypocalcemia)	FGF23	Mammary gland (Neoplasia)	Vitamin D
Calcium (Physiology Intestines)	Foam cell	Npt2a	Vitamin D3 (Calcitriol)
Calcium (Physiology renal)	GST pull down assay	NPT2c	Vitamin K
Cardiovascular risk	Immunopharmacology	Osteocalcin	
CD36 FAT fatty acid translocase	In vivo chromatin immunoprecipitation analysis	Osteopontin	
Chemoprevention	Innate immunity	Osteoporosis	
Chromatin immunoprecipitation	Interleukin10	PMCA1	
		Prostate (Anatomy)	

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1 alpha hydroxylase	Curcumin	LRP5 LDL Receptor Related Protein5 Arrow	Receptor (Vitamin D)
Annexin2	CYP24A1 1 25 hydroxyvitamin d3 24 hydroxylase	Magnesium (Physiology Kidney)	Runx2
Antineoplastic agents (Novel target ideas)	DBP	Methods of genetic diagnositscs	S100A10
B cell (Immunology)	Eldecalcitol		Tacrolimus FK506
beta Glucuronidase	Fatty acids (Omega3)	Npt2a	TNF alpha converting enzyme
Bone Sialoprotein	Fatty acids (Omega6)	NPT2c	TRPV5
Calbindin D28k	FGF23	Osteocalcin	TRPV6
Calbindin D9k	Fibrosis	Osteopontin	Vitamin D
Calcification	Interleukin10	Osterix	Vitamin D3 (Calcitriol)
Calcium (Physiology renal)	Kidney (Progression of renal disease)	PHEX	
Chromatin immunoprecipitation	Kidney (Tubulus CNT)	PTH (Hyperparathyroidism secondary)	
Ciclosporin ttMPT	Kidney (Tubulus Distal Convoluted)	RANKL	
		Rapamycin	

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Vivit

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Vivit

NFAT	Vivit		
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VKORC1**13621****VKORC1**

Anticoagulants (Coumarins Phenprocoumon Warfarin)	VKORC1		
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VMAT2

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VMAT2

Pancreas (PET)	VMAT2		
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Vogt Limbale Palisaden

Vogt s limbal palisades			
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Ion channel (BASKET)	Voltage sensing phosphatase VSP		
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Calbindin D28k	Diuretic agents (Thiazides)	TRPV5	
Calcium (Hypocalciuria)	NCC	Volume contraction ECV	
Calcium (Physiology renal)	NCX1		

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Eye and orbita (Inherited diseases)			

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ADAMTS13	Elinogrel	PDGF	Ticagrelor
AJW200	Endothelial dysfunction	Platelets (BASKET)	Von Willebrand s disease
ALX 0081	GPIIb/alpha	Platelets (Therapeutic inhibitors)	Von Willebrand s factor
Antibodies (Immunohistochemistry)	Interleukin11	Prasugrel	Wnt beta Catenin TCF
ARC1779	Mucin	SOST Sclerostin	
Cangrelor	Norrin	Sostdc1	
Dan	P2Y12	Terutroban	
Data base (Medicine Biology Pharmacology)	PAR1	Thrombotic thrombocytopenic purpura	

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Amonafide AS1413 ttIntercalator	Behenoyl araC 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	

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Bone marrow transplantation	Voriconazole		
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Amonafide AS1413 ttIntercalator	Clofarabine	Ribavirin	Voreloxin ttIntercalator
ARRY520 ttKSP	Decitabine	Sapacitabine	Vorinostat ttHDAC
Azacitidine	Elacytarabine	Sirtuin	
AZD1152 ttAuroraB	Histone deacetylase	Sorafenib	
AZD6244 ttMEK	KSP Kinesin spindle protein	Terameprocol ttSurvivin ttCDK1	
BehenoylaraC ttProdrugAraC	Leukemia (acute myeloic)	Tipifarnib	

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VP16**13642****VP16**

Cell type conversion reprogramming FoxA	MyoD Stem cell (Induced pluripotential)	VP16	
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Ikaros IKZF1 LyF1 Receptor (VIP und PACAP)	Vasoactive intestinal peptide VPAC1	VPAC2	
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2011 Vasoactive intestinal peptide signaling axis in human leukemia.

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Ikaros IKZF1 LyF1 Receptor (VIP und PACAP)	Vasoactive intestinal peptide VPAC1	VPAC2	
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2011 Vasoactive intestinal peptide signaling axis in human leukemia.

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Aids	Macrophages	Vpr	
HIV1	Virus (Cytopathogenic effect)	Vpx	
HIV2	Virus (Integration)		

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Vps C

13646

Vps C

Autophagy CORVET	Endosom HOPS	Vps C	
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Vps26

13647

Vps26

BAR protein domain	SNX1	Sorting nexin	
Endosom	SNX2	Vps26	
PX protein domain	SNX5	Vps29	
Retromer protein complex	SNX6	Vps35	

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Vps29

13648

Vps29

BAR protein domain	SNX1	Sorting nexin	
Endosom	SNX2	Vps26	
PX protein domain	SNX5	Vps29	
Retromer protein complex	SNX6	Vps35	

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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		

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Vps34**13650****Vps34**

Ambra1	ATG9	BCL2	UVRAG
ATG5	Autophagy	Bif1 SH3GLB1 Endophilin B	Vps34
ATG6 Beclin1	BAR protein domain	LC3	

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Vps35	13651	Vps35	
BAR protein domain	SNX1	Sorting nexin	
Endosom	SNX2	Vps26	
PX protein domain	SNX5	Vps29	
Retromer protein complex	SNX6	Vps35	

2008 **Retromer.**
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Vpx

13652

Vpx

Aids HIV2	Macrophages Vpr	Vpx	
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2010 **Limelight on two HIV/SIV accessory proteins in macrophage infection: is Vpx overshadowing Vpr?**

1 [\[20380700\] Retrovirology 7\(-\):35 \(2010\)](#)

2010 **Roles of Vpr and Vpx in modulating the virus-host cell relationship.**

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4F2 LAT	GluR6	Kv1 2	PepT2
ASCT2	GLUT1	Kv1 3	Phosphomannomutase 2 PMM2
ASIC1	GSK3	Kv1 4	SCN5A
Cell volume	Ion channel (BASKET)	Kv1 5	SGK1
CFTR ABCC7	Ion channel (Sodium ENaC)	Mineralocorticoids	SLC2A4 GLUT4
CLCN2 CIC2	KCNQ1	mTORC2	SLC5A1 SGLT1
EAAT1	KCNQ2	NaDC	SMIT
EAAT2	KCNQ3	NaPiIIb	SN1
EAAT3	KCNQ4	NCC	TRPV5
EAAT4	KCNQ5	Nedd4 2	TRPV6
EAAT5	Kir1 1 ROMK	NHE3	VSOAC
Glucocorticoids	Kv1 1	NKCC2	

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EHEC entero hemorrhagic e coli	Escherichia coli EPEC enteropathogenic		
Escherichia coli (BASKET)	VTEC verotoxigenic Escherichia coli		

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