

APPENDIX

MAMMALIAN* ADHESION-GPCRS

Simon Yona and Martin Stacey

Family	Receptor Name	Expression	Function	References
EGF-like	EMR1	Eosinophils, mononuclear cells (mouse only)	Peripheral immune tolerance (mouse only)	1-4
	EMR2	Myeloid cells	PMN activation and migration, receptor for chondroitin sulphate	5-7
	EMR3	Myeloid cells	Mature PMN marker	8
	EMR4	Macrophages, DCs	Unknown	9,10
	CD97	Leukocytes, smooth muscle	Tumour angiogenesis, CD55 and chondroitin sulphate receptor, cell migration	11-14
	ETL	Heart, smooth muscle	Unknown	15
BAI-like	BAI1	CNS, bone marrow, monocyte, macrophage	Angiogenesis inhibitor, apoptotic cell clearance, phosphatidylserine receptor	16-18
	BAI2	CNS, skeletal muscle, heart	Angiogenesis inhibitor	19-21

continued on next page

* A further 90 uncharacterised adhesion-GPCRs have been identified in the Sea Urchin.⁶¹
Putative adhesion-GPCRs have been discovered in protozoans (<http://smart.embl-heidelberg.de>).

Adhesion-GPCRs: Structure to Function, edited by Simon Yona and Martin Stacey.
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Appendix. Continued

Family	Receptor Name	Expression	Function	References
	BAI3	CNS, heart	Angiogenesis inhibitor	19,20,22
CELSR-like	CELSR1	CNS, eye, kidney, lung, spleen, testis	Brain development	23-27
	CELSR2	CNS, eye, heart, kidney, lung, spleen, testis	Dendritic maintenance, growth and arborisation, germ cell survival	23,25,27
	CELSR3	CNS, eye, testis	Brain development	23,27-29
IgG-like	GPR116	Lung, heart, kidney	Unknown	30
	GPR124	Endothelial cells	Tumour angiogenesis	31,32
Latrophilin-like	GPR125	Stem cells, testis	Stem cell marker	33,34
	Latrophilin-1	CNS	α -latrotoxin (spider venom) receptor	35-38
	Latrophilin-2	CNS, lung, liver	Heart valve development	36,37,39
Miscellaneous	Latrophilin-3	CNS	Unknown	36,37
	GPR113	CNS, testis, taste receptor cells	Unknown	40
	GPR64	Testis, joints	Fluid resorption	41
	GPR126	Endothelial cell, placenta	Height variation, myelination of Schwann cells	42,43-45
	GPR56	CNS, natural killer cells	Brain development, neuronal cell migration, metastasis inhibitor, TG2 receptor, Natural killer cell function	46-50
	VLGR1	CNS	Sensory neuronal development	51-53
	GPR97	Bone marrow, mast cells (gnf-altas)	Unknown	54
	GPR110	Lung and prostate tumour, cornea (gnf atlas)	Oncogene	55
	GPR111	Unknown	Unknown	54
	GPR112	Unknown	Unknown	54
	GPR114	Unknown	Unknown	54
	GPR115	Unknown	Unknown	54
	GPR123	CNS	Unknown	56
	GPR128	Small/large intestine (gnf, atlas)	Unknown	54,57
	GPR133	CNS	Height variation	58,59
	GPR144	Unknown	Unknown	60

ACKNOWLEDGMENT

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INDEX

A

Adaptive immunity 128, 130, 132, 133
Adhesion 1-9, 11, 12, 14, 30, 31, 37-40,
45, 46, 49-57, 59, 60, 62, 64-70, 76,
79, 80, 83, 87-89, 92, 94, 98-100,
102-106, 109-114, 116-118, 121-126,
128, 129, 136, 146, 149, 151, 152,
154, 157-164, 167-170, 172, 175,
176, 179, 180, 184-186, 189, 191
Adhesion-GPCR 14, 30, 31, 37-40,
45, 46, 49-57, 60, 62, 64-69, 76,
79, 80, 83, 87-89, 94, 98-100, 105,
109-112, 114, 117, 118, 121-126,
129, 136, 149, 151, 152, 154,
157-164, 167-170, 172, 176, 179,
180, 184-186, 189, 191
Adhesion receptor 4, 98, 102, 103, 106,
109, 117
Adult stem cell 184
A-latrotoxin (LTX) 38, 55, 56, 158, 159
Alternative splicing 61, 77, 100, 118,
121, 129, 130, 152, 186
Amino-terminal thrombospondin-like
(TspN) 79
Angiogenesis 89, 103, 109, 112, 113,
116, 117, 125, 158, 167-170, 173,
174, 176, 189, 190
Anterior chamber-associated immune
deviation (ACAID) 154

Antibody 25, 55, 60-62, 67, 69, 103,
111, 122, 124, 125, 128, 129,
131-136, 141, 142, 144, 145,
161-164, 180, 181, 184
Antibody treatment 128, 129, 132, 134,
135
Antigen-presenting cell (APC) 138, 140,
146, 154
Apoptosis 102, 106, 116, 158, 163, 169
Audiogenic seizure (AGS) 76, 77, 81,
83, 89
Autoimmunity 170
Autosomal-dominant partial epilepsy
with auditory feature (ADPEAF) 79
Avian ankle link antigen (ALA) 81, 82

B

Basement membrane (BM) 87, 91-94
Bilateral frontoparietal polymicrogyria
(BFPP) 55, 87, 90-92, 98, 101, 159,
162, 186
Blastomere 40-44
Brain angiogenesis inhibitor 1 4, 80, 87,
89, 115-117, 121, 124, 125, 158, 162,
163, 167-176, 189
Brain angiogenesis inhibitor 1-3 87, 89
Brain angiogenesis inhibitor (BAI) 3, 5,
6, 89, 113, 115, 117, 118, 125, 189
BUB/BnJ 80, 81

C

Cadherin 6, 9, 14-16, 18-20, 23, 24, 26, 28-31, 38, 39, 81, 87, 185
 Cadherin 23 (CDH23) 81
 Calcium 9, 14, 31, 59, 60, 68, 76, 79, 81, 82, 141, 142, 144, 152, 158, 186
 Calx-b 76, 78, 79, 82
 Cancer 59, 72, 89, 98, 101-106, 110, 113, 116, 118, 125, 126, 159
 Carcinoma 110-112, 116
 CD55 111, 112, 123, 129, 130, 132, 134-136, 138-142, 144-146, 157, 158, 162, 189
 CD81 94, 104, 105, 159, 164
 CD97 5, 50, 54, 55, 57, 60, 79, 80, 110-112, 114, 117, 118, 121-125, 128-136, 138-142, 145, 146, 152, 157, 158, 162, 180, 186, 189
 Cdh-6 39
Caenorhabditis elegans 8, 19, 37-42, 44-46, 59, 64, 65, 69, 70, 72
 Cell adhesion 6, 79, 89, 92, 99, 104, 105, 110, 159, 175, 185
 Cell-cell interaction 37, 38, 64
 Cell-ECM interaction 103
 Cell migration 55, 72, 94, 112, 126, 159, 160, 163, 169, 171, 189, 190
 Celsr 5-7, 14-16, 18, 19, 30, 31, 37, 38, 113, 114, 185, 190
 Celsr 1-3 113
 Central nervous system (CNS) 6, 19, 26, 27, 80, 81, 87-89, 94, 112, 125, 189, 190
 Chondroitin sulfate 129, 130, 132, 134, 151, 157
 Cleavage site 49, 50-53, 66, 101
 Cobblestone lissencephaly 91, 92
 Collagen-induced arthritis (CIA) 125, 128, 132-135
 Colocalization 55, 132, 171, 175, 181
 Colorectal carcinoma 112
 Complement 123, 129, 138, 142, 144-146, 158
 Cortical development 87, 94, 159
 Costimulation 135, 138, 140-142
 Crosslinking 93, 103, 104, 106, 116, 144, 145, 160

C-terminal fragment (CTF) 61, 64-71, 101, 104

Cytokine 140-142, 144-146, 153, 159

D

Delayed type hypersensitivity (DTH) 128, 130-134

Dendritic cell 122, 123, 150

Differentiation 20, 46, 93, 123, 140, 146, 153, 179, 181

Dock180 124, 125, 163, 167, 171-173

Drosophila 11, 14, 15, 18-23, 25-31, 39, 42, 45, 46, 80, 184, 185

E

Efferent ductule 179, 182

EGF-TM7 5, 121-123, 125, 126, 128, 129, 135, 141, 149-152, 154, 157, 159, 162

ELMO1 163, 170-172, 174-176

Embryonic development 18, 31, 38, 40, 55

EMR1 5, 111, 112, 114, 121-123, 151, 152, 154, 185, 189

EMR2 1, 3-5, 52-56, 99, 112, 114, 121, 123, 124, 139, 152, 157, 158, 160, 162, 189

Engulfment of apoptotic cell 171-173, 175, 176

Eosinophil 122, 123, 150, 154, 189

Epididymis 179, 180-184, 186

Epilepsy 76, 77, 79

Eptempin (EPTP) 9, 76, 79

Evolution 1, 5, 7, 8, 11, 12, 39, 62, 64, 83, 129

Exocytosis 59, 60, 69

Experimental autoimmune encephalomyelitis (EAE) 128, 132-134

Extracellular domain 14, 15, 30, 31, 38, 56, 64, 79, 116, 121, 152, 154, 157, 158, 172, 180, 186

Extracellular matrix 2, 7, 64, 70, 87, 91-93, 98, 106, 109, 116, 123, 129, 152, 158, 169, 180, 181

F

- F4/80 121-123, 149-155
 Fertility 180, 182, 185, 186
 Flamingo 14, 18-23, 25-31, 37-39, 113, 185
 Fluid absorption 179
 Frings 77, 81
 Frizzled 3, 4, 19-23, 26, 27, 29, 40, 44, 67
 Functional domain 168, 180

G

- G α 12/13 94, 104-106, 159-161
 Galactose-binding lectin (GBL) 9, 64, 72
 Glioblastoma 116, 168, 173, 174, 176
 Glycosylation 52, 54, 77, 91, 99, 100, 111, 118, 122, 152, 160, 162
 GPCR proteolytic site (GPS) 1, 2, 7, 9, 30, 39, 46, 49-57, 65-67, 69, 78, 79, 81, 87, 90, 100, 101, 104, 121, 122, 125, 152, 154, 157, 160-162, 169, 173, 174, 180, 181, 186
 GPR56 54, 55, 87, 89, 90, 92-94, 98-106, 115-117, 121, 125, 126, 157-164, 170, 180, 185, 190
 GPR64 115-118, 180-182, 184, 186, 190
 GPR98 76, 185
 G protein-coupled receptor (GPCR) 1-9, 11, 12, 14, 15, 30, 31, 37-40, 45, 46, 49-57, 59-62, 64-70, 76, 77, 79, 80, 83, 87-89, 94, 98-101, 103, 105, 109-112, 114, 117, 118, 121-126, 128, 129, 135, 136, 149-152, 154, 157-164, 167-170, 172-174, 176, 179, 180, 183-186, 189, 191
 G protein signaling 158, 159, 170
 G protein α subunit (G α) 101, 160
 GPS motif 39, 52, 53, 65-67, 100, 101, 121, 154
 Granule cell adhesion 92
 Granulocyte 128-135, 138, 152, 162

H

- HE6 115, 117, 180, 183
 Hormone receptor motif (HRM) 15, 31, 46, 65, 69

I

- Immunoregulation 149, 153
 Inducible regulatory T cells (Tr1) 138, 142, 146
 Innate immunity 133
 Inositol 1,4,5-trisphosphate 158
 Intracellular trafficking 30, 90

K

- Knockout mouse 87, 135

L

- Laminin G (LamG) 9, 14, 15, 79, 185
 Langerhans cell 122, 150
 Lasso 59, 70
 Lat-1 37, 39, 42-44, 46, 59, 69, 70, 72, 158
 Lat-2 69, 70, 72
 Latrophilin 5, 37-39, 42, 44, 46, 50, 54-56, 59-73, 87, 89, 100, 110, 114, 117, 118, 158, 159, 162-164, 190
 Latrotoxin 38, 55, 56, 59-62, 64-69, 71, 158, 190
 Leucine-rich glioma inactivated (LGI) 79
 Ligand 2, 3, 19, 22, 27, 31, 38, 40, 46, 56, 59, 60, 64-67, 69, 70, 73, 76, 79, 80, 83, 87, 92-94, 103-106, 111, 112, 118, 123, 128-130, 132, 134-136, 138-142, 146, 149, 153-155, 157-164, 170, 172, 174, 180
 Ligand receptor pair 56
 Lipopolysaccharide 129
 Lung carcinoma 110

M

- Macrophage 122, 123, 125, 128, 130, 132, 133, 135, 149-155, 157, 158, 171, 186, 189
- Male reproductive tract 172, 179, 180, 186
- Mechanism 27, 30, 31, 37, 38, 40, 42, 44, 46, 49, 52, 60, 67-69, 72, 83, 92, 98, 100, 102-104, 128, 129, 135, 136, 140, 141, 143, 146, 154, 159-163, 174, 176
- Melanoma 98, 99, 101-103, 106, 116, 117, 158
- Metastasis 98, 101-106, 109, 116, 117, 158, 159, 173, 190
- Microenvironment 102-104, 109, 116-118
- Monoclonal antibody 111, 122, 128, 161
- Monogenic audiogenic seizure-susceptible (MASS1) 76-78, 80, 115, 117
- Mouse model 55, 87, 89, 116, 124, 129, 132, 170, 172, 176, 184
- Multipotent 184
- Multipotent adult stem cell (MASC) 184
- Mutant 19-21, 23-28, 31, 39, 40, 42-44, 46, 52, 54, 55, 67, 68, 70, 71, 76, 80-83, 89-91, 153, 154, 159, 161, 162, 182, 185, 186

N

- Na⁺/Ca²⁺ exchanger 79
- Neural 6, 14, 16, 17, 19, 20, 24, 25, 27, 29, 31, 64, 80, 89, 93, 94, 105, 159, 160, 163
- Neural progenitor cell 89, 94, 105, 159, 160, 163
- Neurexin 60, 62, 68, 158
- Neuroepithelium-notable (Neurepin) 77
- Neurogenesis 64, 79, 80, 83
- Neuronal overmigration 87
- Neurotransmitter 38, 59, 60, 68, 69, 72, 184
- Neurotransmitter release 59, 68
- Neutrophil 123, 125, 128, 129, 131-133, 150, 162
- N-terminal fragment (NTF) 60, 61, 64-70, 72, 92, 94, 104

- N-termini 1, 2, 5-7, 9, 109, 167
- Nucleophilic attack 50, 52-54

O

- Olfactomedin 9, 61, 64, 65
- Oral tolerance 154
- Organ 6, 14, 16, 18, 24, 31, 38, 46, 99, 102, 123
- Orthologue 1, 3-5, 8, 59, 61, 62, 64-66, 69, 70, 72, 123, 180

P

- Pentraxin (PTX) 9, 78, 79, 160, 161
- Peripheral tolerance 123, 150, 155
- Phagocytosis 125, 144
- Phospholipase C 31, 68, 72, 158
- Phylogeny 1, 167
- Pial basement membrane 87, 91, 92
- Planar cell polarity 14, 18, 25, 31, 37, 45, 113, 185
- Postsynaptic density protein 95/
Drosophila disks large/zona
occludens-1 (PDZ) 71, 76, 80, 83, 162, 169, 170, 173, 175
- Presynaptic 69, 71, 72, 158
- Protease 50, 52, 161
- Protein-protein interaction 100
- Proteolysis 49-52, 54, 55, 57, 64-66, 79, 100, 160, 161, 180

R

- Rac 125, 163, 167, 171-173, 175
- RBL domain 39, 46, 72
- Receptor 1-6, 15, 19, 22, 37-40, 42, 45, 46, 49-52, 54-56, 59, 60, 64-71, 73, 76, 79, 80, 87-91, 93, 98-103, 105, 106, 109, 114, 115, 117, 118, 121-126, 128, 129, 135, 138, 140, 142, 144, 146, 149-152, 154, 155, 157-164, 167, 169-176, 179-186, 189-191
- Regulation 14, 18, 28, 30, 49, 54, 64, 87, 92, 102, 113, 135, 140, 142, 146, 159, 160, 168, 175, 179, 180, 182-186
- Regulatory T cell 142, 149

- Relay 42
Rhamnose-binding lectin 64
Rho 94, 160, 161, 163
RhoA 94, 104-106, 161
- S**
- Self-catalytic reaction 50
Seven-transmembrane domain (7TM)
2, 5, 11, 14-16, 18-20, 23, 24, 26,
28-31, 38, 39, 46, 49, 50, 55, 56,
150-152, 154, 157, 158, 161-164,
167-169, 173
Signaling 3, 18-23, 26, 30, 31, 37, 40,
42, 44, 46, 57, 60, 66-71, 80, 83,
87, 89, 93, 94, 101, 103-106, 113,
116, 125, 135, 141-145, 149, 155,
157-164, 167, 170-173, 175, 176,
185
Signal transduction 60, 67, 68, 98, 112,
128, 157, 158, 162, 163, 175
Spermatozoa 179, 182, 183
Spindle orientation 37, 44, 46
SRE 160-162
Stem cell 7, 99, 102, 104, 106, 128, 129,
134, 184, 190
Stereocilia 25, 81, 82, 185
Suppressor 101, 104, 105, 117, 168
- T**
- T cell 123, 131-133, 135, 138, 140-146,
149, 154, 159
Testes 78, 172
Tetraspanin 92-94, 105, 159, 163, 164
Thrombospondin repeat 9, 125, 163,
172
Thyroid-stimulating hormone receptor
(TSHR) 161, 162
Thyrotropin receptor 161
Tissue polarity 18, 37, 38, 42, 45, 46
Tissue transglutaminase (TG2) 93, 94,
103-106, 116, 158, 190
Tolerance 123, 149, 150, 153-155, 189
Treg cell 154, 155
Tumor cell interaction 109
Tumorigenesis 109-112, 118, 174
Tumor progression 103-105, 113
Tumor suppression 103
- U**
- Unique 1, 2, 5-7, 14, 16, 31, 49, 50, 52,
65, 92, 121, 138, 142, 149, 151, 154,
157, 161, 164, 167, 168, 185
Usher syndrome 76, 82, 83, 89, 186
- V**
- Ventricular zone 16, 77, 80, 88, 89, 92
Very large G protein-coupled receptor-1
(VLGR1) 6, 76-83, 89, 115, 117,
185, 186, 190
Vlgr1del7TM 80, 81
- W**
- Wnts 19