Urban Lendahl

List of Publications by Year in Descending Order

76 papers	7,395 citations	34 h-index	85 g-index
90 ext. papers	9,014 ext. citations	10.5 avg, IF	6.17 L-index

#	Paper	IF	Citations
76	Specification of CNS macrophage subsets occurs postnatally in defined niches.. *Nature*, **2022**,	50.4	4
75	Notch signalling in healthy and diseased vasculature.. *Open Biology*, **2022**, 12, 220004	7	1
74	Roles of Notch Signaling in the Tumor Microenvironment. *International Journal of Molecular Sciences*, **2022**, 23, 6241	6.3	0
73	The Molecular Assembly State of Drp1 Controls its Association With the Mitochondrial Recruitment Receptors Mff and MIEF1/2. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 706687	5.7	3
72	Biliary Atresia - emerging diagnostic and therapy opportunities. *EBioMedicine*, **2021**, 74, 103689	8.8	2
71	MIEF1/2 orchestrate mitochondrial dynamics through direct engagement with both the fission and fusion machineries. *BMC Biology*, **2021**, 19, 229	7.3	3
70	Novel Cysteine-Sparing Hypomorphic A1604T Mutation Observed in a Family With Migraine and White Matter Lesions. *Neurology: Genetics*, **2021**, 7, e584	3.8	2
69	PIM-induced phosphorylation of Notch3 promotes breast cancer tumorigenicity in a CSL-independent fashion. *Journal of Biological Chemistry*, **2021**, 296, 100593	5.4	1
68	The infantile myofibromatosis NOTCH3 L1519P mutation leads to hyperactivated ligand-independent Notch signaling and increased PDGFRB expression. *DMM Disease Models and Mechanisms*, **2021**,	4.1	5
67	DUCT reveals architectural mechanisms contributing to bile duct recovery in a mouse model for Alagille syndrome. *ELife*, **2021**, 10,	8.9	1
66	Lack of Evidence of Angiotensin-Converting Enzyme 2 Expression and Replicative Infection by SARS-CoV-2 in Human Endothelial Cells. *Circulation*, **2021**, 143, 865-868	16.7	67
65	Highly efficient manipulation of nervous system gene expression with NEPTUNE. *Cell Reports Methods*, **2021**, 1, 100043-100043		1
64	Regulation of Mammalian Mitochondrial Dynamics: Opportunities and Challenges. *Frontiers in Endocrinology*, **2020**, 11, 374	5.7	41
63	Beta-amyloid deposition around hepatic bile ducts is a novel pathobiological and diagnostic feature of biliary atresia. *Journal of Hepatology*, **2020**, 73, 1391-1403	13.4	12
62	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination. *Nature Communications*, **2020**, 11, 3953	17.4	82
61	Notch activation in the mouse mammary luminal lineage leads to ductal hyperplasia and altered partitioning of luminal cell subtypes. *Experimental Cell Research*, **2020**, 395, 112156	4.2	0
60	Notch signalling regulates epibranchial placode patterning and segregation. *Development (Cambridge)*, **2020**, 147,	6.6	4

59	The phosphorylation status of Ser-637 in dynamin-related protein 1 (Drp1) does not determine Drp1 recruitment to mitochondria. *Journal of Biological Chemistry*, **2019**, 294, 17262-17277	5.4	26
58	Mouse Models for Diseases in the Cholangiocyte Lineage. *Methods in Molecular Biology*, **2019**, 1981, 203-236	1.4	1
57	Triggering of a Dll4-Notch1 loop impairs wound healing in diabetes. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 6985-6994	11.5	29
56	Impact of Epithelial-Stromal Interactions on Peritumoral Fibroblasts in Ductal Carcinoma in Situ. *Journal of the National Cancer Institute*, **2019**, 111, 983-995	9.7	47
55	Human Fis1 regulates mitochondrial dynamics through inhibition of the fusion machinery. *EMBO Journal*, **2019**, 38,	13	112
54	Emerging links between cerebrovascular and neurodegenerative diseases-a special role for pericytes. *EMBO Reports*, **2019**, 20, e48070	6.5	51
53	Cartilage Oligomeric Matrix Protein initiates cancer stem cells through activation of Jagged1-Notch3 signaling. *Matrix Biology*, **2019**, 81, 107-121	11.4	16
52	Peri-arterial specification of vascular mural cells from naïve mesenchyme requires Notch signaling. *Development (Cambridge)*, **2019**, 146,	6.6	21
51	Human ISL1 Ventricular Progenitors Self-Assemble into an In Vivo Functional Heart Patch and Preserve Cardiac Function Post Infarction. *Molecular Therapy*, **2018**, 26, 1644-1659	11.7	22
50	A molecular atlas of cell types and zonation in the brain vasculature. *Nature*, **2018**, 554, 475-480	50.4	734
49	Canonical Notch signaling is dispensable for adult steady-state and stress myelo-erythropoiesis. *Blood*, **2018**, 131, 1712-1719	2.2	10
48	Notch signaling promotes a HIF2-driven hypoxic response in multiple tumor cell types. *Oncogene*, **2018**, 37, 6083-6095	9.2	11
47	Single-cell RNA sequencing of mouse brain and lung vascular and vessel-associated cell types. *Scientific Data*, **2018**, 5, 180160	8.2	167
46	Mouse Model of Alagille Syndrome and Mechanisms of Jagged1 Missense Mutations. *Gastroenterology*, **2018**, 154, 1080-1095	13.3	55
45	Notch and Wnt Dysregulation and Its Relevance for Breast Cancer and Tumor Initiation. *Biomedicines*, **2018**, 6,	4.8	23
44	Cholangiopathies - Towards a molecular understanding. *EBioMedicine*, **2018**, 35, 381-393	8.8	13
43	Role of NOTCH3 Mutations in the Cerebral Small Vessel Disease Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. *Stroke*, **2018**, 49, 2793-2800	6.7	22
42	MIEF1/2 function as adaptors to recruit Drp1 to mitochondria and regulate the association of Drp1 with Mff. *Scientific Reports*, **2017**, 7, 880	4.9	52

41	The interplay between the cellular hypoxic response and Notch signaling. *Experimental Cell Research*, **2017**, 356, 146-151	4.2	18
40	Lorenz Poellinger MD, PhD (1957-2016). *Cell Death and Differentiation*, **2017**, 24, 571	12.7	0
39	Notch Signaling in Development, Tissue Homeostasis, and Disease. *Physiological Reviews*, **2017**, 97, 1235-1294	47.9	394
38	An Eya1-Notch axis specifies bipotential epibranchial differentiation in mammalian craniofacial morphogenesis. *ELife*, **2017**, 6,	8.9	21
37	Loss of CSL Unlocks a Hypoxic Response and Enhanced Tumor Growth Potential in Breast Cancer Cells. *Stem Cell Reports*, **2016**, 6, 643-651	8	22
36	Endogenous APP accumulates in synapses after BACE1 inhibition. *Neuroscience Research*, **2016**, 109, 9-15	2.9	5
35	Phosphorylation of Notch1 by Pim kinases promotes oncogenic signaling in breast and prostate cancer cells. *Oncotarget*, **2016**, 7, 43220-43238	3.3	38
34	Notch -- a goldilocks signaling pathway in disease and cancer therapy. *Discovery Medicine*, **2016**, 21, 189-96	2.5	37
33	Decoding breast cancer tissue-stroma interactions using species-specific sequencing. *Breast Cancer Research*, **2015**, 17, 109	8.3	7
32	Notch3 is necessary for blood vessel integrity in the central nervous system. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 409-20	9.4	71
31	Therapeutic modulation of Notch signalling--are we there yet?. *Nature Reviews Drug Discovery*, **2014**, 13, 357-78	64.1	335
30	PKC regulates Notch receptor routing and activity in a Notch signaling-dependent manner. *Cell Research*, **2014**, 24, 433-50	24.7	31
29	Notch signaling: simplicity in design, versatility in function. *Development (Cambridge)*, **2011**, 138, 3593-612	6.26	661
28	Secretase: An Unusual Enzyme with Many Possible Disease Targets, Including Alzheimer's Disease. *Methods and Principles in Medicinal Chemistry*, **2011**, 325-351	0.4	
27	Hypo- and hyperactivated Notch signaling induce a glycolytic switch through distinct mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 18814-9	11.5	83
26	Control of Notch-ligand endocytosis by ligand-receptor interaction. *Journal of Cell Science*, **2010**, 123, 2931-42	5.3	56
25	Domain-specific control of neurogenesis achieved through patterned regulation of Notch ligand expression. *Development (Cambridge)*, **2010**, 137, 437-45	6.6	47
24	Generating specificity and diversity in the transcriptional response to hypoxia. *Nature Reviews Genetics*, **2009**, 10, 821-32	30.1	270

23	Notch signaling regulates platelet-derived growth factor receptor-beta expression in vascular smooth muscle cells. *Circulation Research*, **2008**, 102, 1483-91	15.7	136
22	Notch signaling mediates hypoxia-induced tumor cell migration and invasion. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 6392-7	11.5	616
21	High levels of Notch signaling down-regulate Numb and Numblike. *Journal of Cell Biology*, **2006**, 175, 535-40	7.3	71
20	The Notch intracellular domain is ubiquitinated and negatively regulated by the mammalian Sel-10 homolog. *Journal of Biological Chemistry*, **2001**, 276, 35847-53	5.4	312
19	Oh no, Notch again!. *BioEssays*, **2001**, 23, 3-7	4.1	21
18	The expression of intermediate filament protein nestin as related to vimentin and desmin in regenerating skeletal muscle. *Journal of Neuropathology and Experimental Neurology*, **2001**, 60, 588-97	3.1	127
17	Oh no, Notch again! **2001**, 23, 3		18
16	Abnormal reaction to central nervous system injury in mice lacking glial fibrillary acidic protein and vimentin. *Journal of Cell Biology*, **1999**, 145, 503-14	7.3	323
15	Notch signalling controls pancreatic cell differentiation. *Nature*, **1999**, 400, 877-81	50.4	980
14	Retinoid-X receptor signalling in the developing spinal cord. *Nature*, **1998**, 395, 398-402	50.4	117
13	Notch and neurogenesis. *Journal of Neuroscience Research*, **1998**, 54, 125-36	4.4	123
12	A growing family of Notch ligands. *BioEssays*, **1998**, 20, 103-7	4.1	30
11	Pediatric rhabdomyosarcomas express the intermediate filament nestin. *Pediatric Research*, **1998**, 43, 386-92	3.2	33
10	Transgenic analysis of central nervous system development and regeneration. *Acta Anaesthesiologica Scandinavica*, **1997**, 110, 116-8	1.9	15
9	Adult nestin-expressing subependymal cells differentiate to astrocytes in response to brain injury. *European Journal of Neuroscience*, **1997**, 9, 65-75	3.5	132
8	An evolutionarily conserved region in the second intron of the human nestin gene directs gene expression to CNS progenitor cells and to early neural crest cells. *European Journal of Neuroscience*, **1997**, 9, 452-62	3.5	140
7	Influence of glycosylphosphatidylinositol-linked H-2Dd molecules on target cell protection and natural killer cell specificity in transgenic mice. *European Journal of Immunology*, **1996**, 26, 2127-32	6.1	8
6	Fetal ventral mesencephalon of human and rat origin maintained in vitro and transplanted to 6-hydroxydopamine-lesioned rats gives rise to grafts rich in dopaminergic neurons. *Experimental Brain Research*, **1996**, 112, 47-57	2.3	23

5	Lipopolysaccharide-dependent transactivation of the temporally regulated immunoglobulin heavy chain 3Senhancer. *European Journal of Immunology*, **1994**, 24, 1671-7	6.1	46
4	The novel Notch homologue mouse Notch 3 lacks specific epidermal growth factor-repeats and is expressed in proliferating neuroepithelium. *Mechanisms of Development*, **1994**, 46, 123-36	1.7	281
3	Transient expression of a human beta-actin promoter/lacZ gene introduced into mouse embryos correlates with a low degree of methylation. *Molecular Reproduction and Development*, **1993**, 34, 149-57	2.6	32
2	A new member of a secretory protein gene family in the dipteran Chironomus tentans has a variant repeat structure. *Journal of Molecular Evolution*, **1990**, 31, 40-50	3.1	12
1	Pericyte-specific vascular expression of SARS-CoV-2 receptor ACE2 Implications for microvascular inflammation and hypercoagulopathy in COVID-19		45