

# Meritxell Huch

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

13,268  
citations

87843

38  
h-index

155592

55  
g-index

61  
all docs

61  
docs citations

61  
times ranked

16095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organoid Models of Human and Mouse Ductal Pancreatic Cancer. <i>Cell</i> , 2015, 160, 324-338.	13.5	1,584
2	Lgr5+ve Stem Cells Drive Self-Renewal in the Stomach and Build Long-Lived Gastric Units In Vitro. <i>Cell Stem Cell</i> , 2010, 6, 25-36.	5.2	1,315
3	In vitro expansion of single Lgr5+ liver stem cells induced by Wnt-driven regeneration. <i>Nature</i> , 2013, 494, 247-250.	13.7	1,239
4	Long-Term Culture of Genome-Stable Bipotent Stem Cells from Adult Human Liver. <i>Cell</i> , 2015, 160, 299-312.	13.5	1,166
5	Human primary liver cancer-derived organoid cultures for disease modeling and drug screening. <i>Nature Medicine</i> , 2017, 23, 1424-1435.	15.2	905
6	Tissue-specific mutation accumulation in human adult stem cells during life. <i>Nature</i> , 2016, 538, 260-264.	13.7	759
7	In Vitro Expansion of Human Gastric Epithelial Stem Cells and Their Responses to Bacterial Infection. <i>Gastroenterology</i> , 2015, 148, 126-136.e6.	0.6	595
8	Unlimited in vitro expansion of adult bi-potent pancreas progenitors through the Lgr5/R-spondin axis. <i>EMBO Journal</i> , 2013, 32, 2708-2721.	3.5	562
9	Culture and establishment of self-renewing human and mouse adult liver and pancreas 3D organoids and their genetic manipulation. <i>Nature Protocols</i> , 2016, 11, 1724-1743.	5.5	527
10	Differentiated Troy+ Chief Cells Act as Reserve Stem Cells to Generate All Lineages of the Stomach Epithelium. <i>Cell</i> , 2013, 155, 357-368.	13.5	445
11	Modeling mouse and human development using organoid cultures. <i>Development (Cambridge)</i> , 2015, 142, 3113-3125.	1.2	386
12	Genome sequencing of normal cells reveals developmental lineages and mutational processes. <i>Nature</i> , 2014, 513, 422-425.	13.7	315
13	The hope and the hype of organoid research. <i>Development (Cambridge)</i> , 2017, 144, 938-941.	1.2	303
14	Controlled gene expression in primary Lgr5 organoid cultures. <i>Nature Methods</i> , 2012, 9, 81-83.	9.0	295
15	Disease modelling in human organoids. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	254
16	Liver organoids: from basic research to therapeutic applications. <i>Gut</i> , 2019, 68, 2228-2237.	6.1	222
17	Diabetes Risk Gene and Wnt Effector Tcf7l2/TCF4 Controls Hepatic Response to Perinatal and Adult Metabolic Demand. <i>Cell</i> , 2012, 151, 1595-1607.	13.5	202
18	Lgr5+ve Stem/Progenitor Cells Contribute to Nephron Formation during Kidney Development. <i>Cell Reports</i> , 2012, 2, 540-552.	2.9	196

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19	The balancing act of the liver: tissue regeneration versus fibrosis. <i>Journal of Clinical Investigation</i> , 2018, 128, 85-96.	3.9	148
20	Building consensus on definition and nomenclature of hepatic, pancreatic, and biliary organoids. <i>Cell Stem Cell</i> , 2021, 28, 816-832.	5.2	133
21	Over-expression of Plk4 induces centrosome amplification, loss of primary cilia and associated tissue hyperplasia in the mouse. <i>Open Biology</i> , 2015, 5, 150209.	1.5	130
22	Liver regeneration and inflammation: from fundamental science to clinical applications. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 608-624.	16.1	122
23	Expansion of Adult Human Pancreatic Tissue Yields Organoids Harboring Progenitor Cells with Endocrine Differentiation Potential. <i>Stem Cell Reports</i> , 2018, 10, 712-724.	2.3	106
24	Stem cells and cancer of the stomach and intestine. <i>Molecular Oncology</i> , 2010, 4, 373-384.	2.1	105
25	Epigenetic remodelling licences adult cholangiocytes for organoid formation and liver regeneration. <i>Nature Cell Biology</i> , 2019, 21, 1321-1333.	4.6	102
26	Mouse Model of Alagille Syndrome and Mechanisms of Jagged1 Missense Mutations. <i>Gastroenterology</i> , 2018, 154, 1080-1095.	0.6	92
27	Disease Modeling and Gene Therapy of Copper Storage Disease in Canine Hepatic Organoids. <i>Stem Cell Reports</i> , 2015, 5, 895-907.	2.3	84
28	Long-Term Adult Feline Liver Organoid Cultures for Disease Modeling of Hepatic Steatosis. <i>Stem Cell Reports</i> , 2017, 8, 822-830.	2.3	82
29	Lgr5 <sup>+</sup> liver stem cells, hepatic organoids and regenerative medicine. <i>Regenerative Medicine</i> , 2013, 8, 385-387.	0.8	77
30	Multi-site Neurogenin3 Phosphorylation Controls Pancreatic Endocrine Differentiation. <i>Developmental Cell</i> , 2017, 41, 274-286.e5.	3.1	67
31	Long-term expansion, genomic stability and in vivo safety of adult human pancreas organoids. <i>BMC Developmental Biology</i> , 2020, 20, 4.	2.1	67
32	Organoids from adult liver and pancreas: Stem cell biology and biomedical utility. <i>Developmental Biology</i> , 2016, 420, 251-261.	0.9	55
33	Long-term live imaging and multiscale analysis identify heterogeneity and core principles of epithelial organoid morphogenesis. <i>BMC Biology</i> , 2021, 19, 37.	1.7	54
34	Lgr5 <sup>+</sup> stem/progenitor cells reside at the apex of a heterogeneous embryonic hepatoblast pool. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	51
35	Application of human liver organoids as a patient-derived primary model for HBV infection and related hepatocellular carcinoma. <i>ELife</i> , 2021, 10, .	2.8	51
36	Generation and characterization of rat liver stem cell lines and their engraftment in a rat model of liver failure. <i>Scientific Reports</i> , 2016, 6, 22154.	1.6	50

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37	Liver organoids reproduce alpha-1 antitrypsin deficiency-related liver disease. <i>Hepatology International</i> , 2020, 14, 127-137.	1.9	44
38	The plastic cellular states of liver cells: Are EpCAM and Lgr5 fit for purpose?. <i>Hepatology</i> , 2016, 64, 652-662.	3.6	40
39	Universality of clone dynamics during tissue development. <i>Nature Physics</i> , 2018, 14, 469-474.	6.5	37
40	Fasting improves therapeutic response in hepatocellular carcinoma through p53-dependent metabolic synergism. <i>Science Advances</i> , 2022, 8, eabh2635.	4.7	35
41	Urokinase-Type Plasminogen Activator Receptor Transcriptionally Controlled Adenoviruses Eradicate Pancreatic Tumors and Liver Metastasis in Mouse Models. <i>Neoplasia</i> , 2009, 11, 518-IN6.	2.3	31
42	Dynamic cell contacts between periportal mesenchyme and ductal epithelium act as a rheostat for liver cell proliferation. <i>Cell Stem Cell</i> , 2021, 28, 1907-1921.e8.	5.2	30
43	RNF43/ZNRF3 loss predisposes to hepatocellular-carcinoma by impairing liver regeneration and altering the liver lipid metabolic ground-state. <i>Nature Communications</i> , 2022, 13, 334.	5.8	28
44	Dual Targeting of G9a and DNA Methyltransferase 1 for the Treatment of Experimental Cholangiocarcinoma. <i>Hepatology</i> , 2021, 73, 2380-2396.	3.6	26
45	The plastic liver: differentiated cells, stem cells, every cell?. <i>Journal of Clinical Investigation</i> , 2014, 124, 5099-5102.	3.9	24
46	Neurogenin3 phosphorylation controls reprogramming efficiency of pancreatic ductal organoids into endocrine cells. <i>Scientific Reports</i> , 2018, 8, 15374.	1.6	18
47	Cellular plasticity in the adult liver and stomach. <i>Journal of Physiology</i> , 2016, 594, 4815-4825.	1.3	17
48	Chromosomal abnormalities in hepatic cysts point to novel polycystic liver disease genes. <i>European Journal of Human Genetics</i> , 2016, 24, 1707-1714.	1.4	14
49	Organoids, Where We Stand and Where We Go. <i>Trends in Molecular Medicine</i> , 2021, 27, 416-418.	3.5	14
50	Tumours build their niche. <i>Nature</i> , 2017, 545, 292-293.	13.7	12
51	The versatile and plastic liver. <i>Nature</i> , 2015, 517, 155-156.	13.7	10
52	Organoids: A new in vitro model system for biomedical science and disease modelling and promising source for cell-based transplantation. <i>Developmental Biology</i> , 2016, 420, 197-198.	0.9	10
53	Hepatobiliary tumor organoids for personalized medicine: a multicenter view on establishment, limitations, and future directions. <i>Cancer Cell</i> , 2022, 40, 226-230.	7.7	10
54	Building stomach in a dish. <i>Nature Cell Biology</i> , 2015, 17, 966-967.	4.6	4

#	ARTICLE	IF	CITATIONS
55	Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286.	9.4	3