

# Modeling Development and Disease with Organoids

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fluid Dynamic Modeling to Support the Development of Flow-Based Hepatocyte Culture Systems for Metabolism Studies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 72.	2.0	16
2	Self-Organization of Stem Cell Colonies and of Early Mammalian Embryos: Recent Experiments Shed New Light on the Role of Autonomy vs. External Instructions in Basic Body Plan Development. <i>Cells</i> , 2016, 5, 39.	1.8	10
3	Advances in Zika Virus Research: Stem Cell Models, Challenges, and Opportunities. <i>Cell Stem Cell</i> , 2016, 19, 690-702.	5.2	103
4	3D culture models of tissues under tension. <i>Journal of Cell Science</i> , 2017, 130, 63-70.	1.2	40
5	Derivation of a robust mouse mammary organoid system for studying tissue dynamics. <i>Development (Cambridge)</i> , 2017, 144, 1065-1071.	1.2	78
6	Patient-derived induced pluripotent stem cells in cancer research and precision oncology. <i>Nature Medicine</i> , 2016, 22, 1392-1401.	15.2	131
7	A SILAC-Based Method for Quantitative Proteomic Analysis of Intestinal Organoids. <i>Scientific Reports</i> , 2016, 6, 38195.	1.6	24
8	Mammary Tumor-Associated RNAs Impact Tumor Cell Proliferation, Invasion, and Migration. <i>Cell Reports</i> , 2016, 17, 261-274.	2.9	51
9	The development of anatomy: from macroscopic body dissections to stem cell-derived organoids. <i>Histochemistry and Cell Biology</i> , 2016, 146, 647-650.	0.8	3
10	Organoid Culture of Human Cancer Stem Cells. <i>Methods in Molecular Biology</i> , 2016, 1576, 23-31.	0.4	13
11	Engineering in vitro complex pathophysiologies for drug discovery purposes. <i>Drug Discovery Today</i> , 2016, 21, 1341-1344.	3.2	5
12	Cell sheet mechanics: How geometrical constraints induce the detachment of cell sheets from concave surfaces. <i>Acta Biomaterialia</i> , 2016, 45, 85-97.	4.1	38
13	How cells respond to environmental cues – insights from bio-functionalized substrates. <i>Journal of Cell Science</i> , 2017, 130, 51-61.	1.2	93
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15	Modeling infectious diseases and host-microbe interactions in gastrointestinal organoids. <i>Developmental Biology</i> , 2016, 420, 262-270.	0.9	85
16	Interdisciplinary Team Science in Cell Biology. <i>Trends in Cell Biology</i> , 2016, 26, 796-798.	3.6	2
17	Rapid Organoid Reconstitution by Chemical Micromolding. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1851-1855.	2.6	5
18	Genetic Dissection of Cancer Development, Therapy Response, and Resistance in Mouse Models of Breast Cancer. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2016, 81, 141-150.	2.0	10

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19	Regulation and plasticity of intestinal stem cells during homeostasis and regeneration. <i>Development (Cambridge)</i> , 2016, 143, 3639-3649.	1.2	224
20	Nanomedicines for renal disease: current status and future applications. <i>Nature Reviews Nephrology</i> , 2016, 12, 738-753.	4.1	179
21	From morphogen to morphogenesis and back. <i>Nature</i> , 2017, 541, 311-320.	13.7	258
22	(Re)Building a Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1370-1378.	3.0	58
23	Human tissues in a dish: The research and ethical implications of organoid technology. <i>Science</i> , 2017, 355, .	6.0	202
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26	The Hippo pathway in tissue homeostasis and regeneration. <i>Protein and Cell</i> , 2017, 8, 349-359.	4.8	110
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28	Interspecies pancreas transplants. <i>Nature</i> , 2017, 542, 168-169.	13.7	4
29	Chromosome conformation and gene expression patterns differ profoundly in human fibroblasts grown in spheroids versus monolayers. <i>Nucleus</i> , 2017, 8, 383-391.	0.6	12
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33	Converging biofabrication and organoid technologies: the next frontier in hepatic and intestinal tissue engineering?. <i>Biofabrication</i> , 2017, 9, 013001.	3.7	78
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41	Asymmetric Cell Division in Development, Differentiation and Cancer. <i>Results and Problems in Cell Differentiation</i> , 2017, , .	0.2	5
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44	Combining Click Chemistry-Based Proteomics With Dox-Inducible Gene Expression. <i>Methods in Enzymology</i> , 2017, 585, 295-327.	0.4	1
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47	Mammary Stem Cells: Premise, Properties, and Perspectives. <i>Trends in Cell Biology</i> , 2017, 27, 556-567.	3.6	94
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55	Oncogene-inducible organoids as a miniature platform to assess cancer characteristics. <i>Journal of Cell Biology</i> , 2017, 216, 1505-1507.	2.3	2

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57	Alveolar Rhabdomyosarcoma Decellularization. <i>Methods in Molecular Biology</i> , 2017, 1577, 317-325.	0.4	4
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60	An engineering design approach to systems biology. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 574-583.	0.6	22
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67	Gastric Cancer in the Era of Precision Medicine. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 348-358.	2.3	86
68	Tumor-derived spheroids: Relevance to cancer stem cells and clinical applications. <i>Cancer Science</i> , 2017, 108, 283-289.	1.7	357
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80	Embryoids, organoids and gastruloids: new approaches to understanding embryogenesis. <i>Development (Cambridge)</i> , 2017, 144, 976-985.	1.2	153
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91	Mechanisms of urodele limb regeneration. <i>Regeneration (Oxford, England)</i> , 2017, 4, 159-200.	6.3	97

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94	Synthetic hydrogels for human intestinal organoid generation and colonic wound repair. <i>Nature Cell Biology</i> , 2017, 19, 1326-1335.	4.6	401
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131	Analysis of Epithelial Injury and Repair. <i>Respiratory Medicine</i> , 2017, , 69-83.	0.1	1
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133	Acute Lung Injury and Repair. <i>Respiratory Medicine</i> , 2017, , .	0.1	1
134	The balancing roles of mechanical forces during left-right patterning and asymmetric morphogenesis. <i>Mechanisms of Development</i> , 2017, 144, 71-80.	1.7	10
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145	On the adhesion-cohesion balance and oxygen consumption characteristics of liver organoids. <i>PLoS ONE</i> , 2017, 12, e0173206.	1.1	33
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163	Programming gene and engineered-cell therapies with synthetic biology. <i>Science</i> , 2018, 359, .	6.0	180
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165	Mapping human development at single-cell resolution. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	30

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167	Engineered cell and tissue models of pulmonary fibrosis. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 78-94.	6.6	108
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170	Recent Advances in Extrusion-Based 3D Printing for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701161.	3.9	289
171	The Central Role of Wnt Signaling and Organoid Technology in Personalizing Anticancer Therapy. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 153, 299-319.	0.9	7
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