

# Eduard Batlle

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

21,218  
citations

41344

49  
h-index

62596

80  
g-index

86  
all docs

86  
docs citations

86  
times ranked

28629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming TGF $\beta$ <sup>2</sup> -mediated immune evasion in cancer. <i>Nature Reviews Cancer</i> , 2022, 22, 25-44.	28.4	122
2	Immune translational control by CPEB4 regulates intestinal inflammation resolution and colorectal cancer development. <i>IScience</i> , 2022, 25, 103790.	4.1	4
3	Microbiota-dependent activation of the myeloid calcineurin-NFAT pathway inhibits B7H3- and B7H4-dependent anti-tumor immunity in colorectal cancer. <i>Immunity</i> , 2022, 55, 701-717.e7.	14.3	16
4	Functional patient-derived organoid screenings identify MCLA-158 as a therapeutic EGFR $\tilde{\text{A}}$ - LGR5 bispecific antibody with efficacy in epithelial tumors. <i>Nature Cancer</i> , 2022, 3, 418-436.	13.2	46
5	Mex3a marks drug-tolerant persister colorectal cancer cells that mediate relapse after chemotherapy. <i>Nature Cancer</i> , 2022, 3, 1052-1070.	13.2	36
6	Stromal SOX2 Upregulation Promotes Tumorigenesis through the Generation of a SFRP1/2-Expressing Cancer-Associated Fibroblast Population. <i>Developmental Cell</i> , 2021, 56, 95-110.e10.	7.0	50
7	Mouse model of colorectal cancer: Orthotopic co-implantation of tumor and stroma cells in cecum and rectum. <i>STAR Protocols</i> , 2021, 2, 100297.	1.2	15
8	Mechanical compartmentalization of the intestinal organoid enables crypt folding and collective cell migration. <i>Nature Cell Biology</i> , 2021, 23, 745-757.	10.3	112
9	The viral nucleocapsid protein and the human RNA-binding protein Mex3A promote translation of the Andes orthohantavirus $\tilde{\text{A}}$ small mRNA. <i>PLoS Pathogens</i> , 2021, 17, e1009931.	4.7	2
10	A single-cell tumor immune atlas for precision oncology. <i>Genome Research</i> , 2021, 31, 1913-1926.	5.5	87
11	Vitamin D differentially regulates colon stem cells in patient $\tilde{\text{A}}$ derived normal and tumor organoids. <i>FEBS Journal</i> , 2020, 287, 53-72.	4.7	67
12	Protocol for Efficient Protein Synthesis Detection by Click Chemistry in Colorectal Cancer Patient-Derived Organoids Grown In Vitro. <i>STAR Protocols</i> , 2020, 1, 100103.	1.2	4
13	ERK1/2 Signaling Induces Upregulation of ANGPT2 and CXCR4 to Mediate Liver Metastasis in Colon Cancer. <i>Cancer Research</i> , 2020, 80, 4668-4680.	0.9	35
14	The epigenetic regulator Mll1 is required for Wnt-driven intestinal tumorigenesis and cancer stemness. <i>Nature Communications</i> , 2020, 11, 6422.	12.8	38
15	Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. <i>Cell Stem Cell</i> , 2020, 26, 845-861.e12.	11.1	59
16	Benchmarking single-cell RNA-sequencing protocols for cell atlas projects. <i>Nature Biotechnology</i> , 2020, 38, 747-755.	17.5	313
17	In vitro Self-organized Mouse Small Intestinal Epithelial Monolayer Protocol. <i>Bio-protocol</i> , 2020, 10, e3514.	0.4	3
18	Self-organized intestinal epithelial monolayers in crypt and villus-like domains show effective barrier function. <i>Scientific Reports</i> , 2019, 9, 10140.	3.3	71

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19	Collective cell migration and metastases induced by an epithelial-to-mesenchymal transition in <i>Drosophila</i> intestinal tumors. <i>Nature Communications</i> , 2019, 10, 2311.	12.8	78
20	Transforming Growth Factor- $\beta$ Signaling in Immunity and Cancer. <i>Immunity</i> , 2019, 50, 924-940.	14.3	1,360
21	TGF $\beta$ drives immune evasion in genetically reconstituted colon cancer metastasis. <i>Nature</i> , 2018, 554, 538-543.	27.8	1,296
22	Determinants of metastatic competency in colorectal cancer. <i>Molecular Oncology</i> , 2017, 11, 97-119.	4.6	180
23	Understanding the molecular mechanisms driving metastasis. <i>Molecular Oncology</i> , 2017, 11, 3-4.	4.6	52
24	Somatic Ephrin Receptor Mutations Are Associated with Metastasis in Primary Colorectal Cancer. <i>Cancer Research</i> , 2017, 77, 1730-1740.	0.9	29
25	Mex3a Marks a Slowly Dividing Subpopulation of Lgr5+ Intestinal Stem Cells. <i>Cell Stem Cell</i> , 2017, 20, 801-816.e7.	11.1	158
26	Alterations in the epithelial stem cell compartment could contribute to permanent changes in the mucosa of patients with ulcerative colitis. <i>Gut</i> , 2017, 66, 2069-2079.	12.1	158
27	A genome editing approach to study cancer stem cells in human tumors. <i>EMBO Molecular Medicine</i> , 2017, 9, 869-879.	6.9	93
28	Cancer stem cells revisited. <i>Nature Medicine</i> , 2017, 23, 1124-1134.	30.7	1,895
29	Long-lived force patterns and deformation waves at repulsive epithelial boundaries. <i>Nature Materials</i> , 2017, 16, 1029-1037.	27.5	65
30	Targeting the Microenvironment in Advanced Colorectal Cancer. <i>Trends in Cancer</i> , 2016, 2, 495-504.	7.4	80
31	Epithelial IL-1R2 acts as a homeostatic regulator during remission of ulcerative colitis. <i>Mucosal Immunology</i> , 2016, 9, 950-959.	6.0	29
32	Isolation of Human Colon Stem Cells Using Surface Expression of PTK7. <i>Stem Cell Reports</i> , 2015, 5, 979-987.	4.8	52
33	Stromal gene expression defines poor-prognosis subtypes in colorectal cancer. <i>Nature Genetics</i> , 2015, 47, 320-329.	21.4	858
34	Inosine modifications in human tRNAs are incorporated at the precursor tRNA level. <i>Nucleic Acids Research</i> , 2015, 43, 5145-5157.	14.5	83
35	Circulating IGF-I and IGFBP3 Levels Control Human Colonic Stem Cell Function and Are Disrupted in Diabetic Enteropathy. <i>Cell Stem Cell</i> , 2015, 17, 486-498.	11.1	60
36	Overlapping DNA Methylation Dynamics in Mouse Intestinal Cell Differentiation and Early Stages of Malignant Progression. <i>PLoS ONE</i> , 2015, 10, e0123263.	2.5	14

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37	Conserved Mechanisms of Tumorigenesis in the Drosophila Adult Midgut. PLoS ONE, 2014, 9, e88413.	2.5	45
38	Editorial overview: Cell cycle, differentiation and disease. Current Opinion in Cell Biology, 2014, 31, v-vi.	5.4	0
39	Differences between CAFs and their paired NCF from adjacent colonic mucosa reveal functional heterogeneity of CAFs, providing prognostic information. Molecular Oncology, 2014, 8, 1290-1305.	4.6	98
40	Metastatic Stem Cells: Sources, Niches, and Vital Pathways. Cell Stem Cell, 2014, 14, 306-321.	11.1	591
41	Editing on tRNAs: Biochemical, biological and evolutionary implications. FEBS Letters, 2014, 588, 4279-4286.	2.8	113
42	Irf1/IRX transcription factors negatively regulate TGF- $\beta$ pathway activity during intestinal tumorigenesis. EMBO Reports, 2014, 15, 1210-1218.	4.5	28
43	TGF- $\beta$ in CAF-mediated tumor growth and metastasis. Seminars in Cancer Biology, 2014, 25, 15-22.	9.6	268
44	Colon cancer cells colonize the lung from established liver metastases through p38 MAPK signalling and APTHLH. Nature Cell Biology, 2014, 16, 685-694.	10.3	117
45	Role of tRNA modifications in human diseases. Trends in Molecular Medicine, 2014, 20, 306-314.	6.7	321
46	The transcription factor GATA6 enables self-renewal of colon adenoma stem cells by repressing BMP gene expression. Nature Cell Biology, 2014, 16, 695-707.	10.3	115
47	Immunostaining Protocol: P-Stat3 (Xenograft and Mice). Bio-protocol, 2014, 4, .	0.4	0
48	Long range epigenetic silencing is a trans-species mechanism that results in cancer specific deregulation by overriding the chromatin domains of normal cells. Molecular Oncology, 2013, 7, 1129-1141.	4.6	13
49	SnapShot: The Intestinal Crypt. Cell, 2013, 152, 1198-1198.e2.	28.9	47
50	Progeny of Lgr5-expressing hair follicle stem cell contributes to papillomavirus-induced tumor development in epidermis. Oncogene, 2013, 32, 3732-3743.	5.9	46
51	Dependency of Colorectal Cancer on a TGF- $\beta$ -Driven Program in Stromal Cells for Metastasis Initiation. Cancer Cell, 2012, 22, 571-584.	16.8	881
52	Molecular Mechanisms of Cell Segregation and Boundary Formation in Development and Tumorigenesis. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008227-a008227.	5.5	161
53	Cleavage of E-cadherin by ADAM10 mediates epithelial cell sorting downstream of EphB signalling. Nature Cell Biology, 2011, 13, 1100-1107.	10.3	147
54	The circadian molecular clock creates epidermal stem cell heterogeneity. Nature, 2011, 480, 209-214.	27.8	273

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55	The Intestinal Stem Cell Signature Identifies Colorectal Cancer Stem Cells and Predicts Disease Relapse. <i>Cell Stem Cell</i> , 2011, 8, 511-524.	11.1	811
56	Specific GATA Factors Act as Conserved Inducers of an Endodermal-EMT. <i>Developmental Cell</i> , 2011, 21, 1051-1061.	7.0	81
57	Control of cell adhesion and compartmentalization in the intestinal epithelium. <i>Experimental Cell Research</i> , 2011, 317, 2695-2701.	2.6	33
58	Isolation and in vitro expansion of human colonic stem cells. <i>Nature Medicine</i> , 2011, 17, 1225-1227.	30.7	616
59	A p120-catenin $\beta$ -CK1 $\alpha$ complex regulates Wnt signaling. <i>Journal of Cell Science</i> , 2010, 123, 2621-2631.	2.0	67
60	Intestinal Stem Cells in Mammals and Drosophila. <i>Cell Stem Cell</i> , 2009, 4, 124-127.	11.1	163
61	Eph $\beta$ -ephrin signalling in adult tissues and cancer. <i>Current Opinion in Cell Biology</i> , 2008, 20, 194-200.	5.4	124
62	A new identity for the elusive intestinal stem cell. <i>Nature Genetics</i> , 2008, 40, 818-819.	21.4	12
63	EphB $\beta$ -ephrin-B interactions suppress colorectal cancer progression by compartmentalizing tumor cells. <i>Nature Genetics</i> , 2007, 39, 1376-1383.	21.4	242
64	EphB/EphrinB Receptors and Wnt Signaling in Colorectal Cancer. <i>Cancer Research</i> , 2006, 66, 2-5.	0.9	133
65	EphB receptor activity suppresses colorectal cancer progression. <i>Nature</i> , 2005, 435, 1126-1130.	27.8	375
66	Down-regulation of Rap1 activity is involved in ephrinB1-induced cell contraction. <i>Biochemical Journal</i> , 2005, 389, 465-469.	3.7	18
67	Loss of Apc in vivo immediately perturbs Wnt signaling, differentiation, and migration. <i>Genes and Development</i> , 2004, 18, 1385-1390.	5.9	700
68	SIGNALING PATHWAYS IN INTESTINAL DEVELOPMENT AND CANCER. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 695-723.	9.4	453
69	Complete Polarization of Single Intestinal Epithelial Cells upon Activation of LKB1 by STRAD. <i>Cell</i> , 2004, 116, 457-466.	28.9	482
70	Live and let die in the intestinal epithelium. <i>Current Opinion in Cell Biology</i> , 2003, 15, 763-770.	5.4	195
71	Snail Induction of Epithelial to Mesenchymal Transition in Tumor Cells Is Accompanied by MUC1 Repression and ZEB1 Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 39209-39216.	3.4	407
72	The $\beta$ -Catenin/TCF-4 Complex Imposes a Crypt Progenitor Phenotype on Colorectal Cancer Cells. <i>Cell</i> , 2002, 111, 241-250.	28.9	1,897

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73	$\beta$ -Catenin and TCF Mediate Cell Positioning in the Intestinal Epithelium by Controlling the Expression of EphB/EphrinB. <i>Cell</i> , 2002, 111, 251-263.	28.9	1,039
74	Intercellular Junctions, Apical Differentiation, and Infiltrative Features in Colon Cancer: An Ultrastructural Study. <i>Ultrastructural Pathology</i> , 2001, 25, 289-294.	0.9	3
75	The transcription factor Snail is a repressor of E-cadherin gene expression in epithelial tumour cells. <i>Nature Cell Biology</i> , 2000, 2, 84-89.	10.3	2,355
76	Adenomatous polyposis coli protein (APC)-independent regulation of $\beta$ -catenin/Tcf-4 mediated transcription in intestinal cells. <i>Biochemical Journal</i> , 1999, 344, 565.	3.7	5
77	Protein Kinase C $\delta$ Activity Inversely Modulates Invasion and Growth of Intestinal Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 15091-15098.	3.4	47
78	Evidence for a role of conventional protein kinase C $\delta$ in the control of homotypic contacts and cell scattering of HT-29 human intestinal cells. <i>Biochemical Journal</i> , 1996, 315, 1049-1054.	3.7	24
79	TCEN-49, a monoclonal antibody that identifies a central body antigen in the planarian <i>Dugesia (Girardia) tigrina</i> . Implications for pattern formation and positional signalling mechanisms. <i>Hydrobiologia</i> , 1995, 305, 235-240.	2.0	5
80	TCAV-1, a monoclonal antibody specific to epithelial pharyngeal cells in the planarian <i>Dugesia (Girardia) tigrina</i> . Application to pattern formation of the pharynx during regeneration. <i>Hydrobiologia</i> , 1995, 305, 263-264.	2.0	2
81	Antipeptide antibodies directed against the C-terminus of protein kinase C $\delta$ (PKC $\delta$ ) react with a Ca <sup>2+</sup> - and TPA-sensitive PKC in HT-29 human intestinal epithelial cells. <i>FEBS Letters</i> , 1994, 344, 161-165.	2.8	15