

# Salvador Aznar Benitah

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

8,964  
citations

61984

43  
h-index

62596

80  
g-index

90  
all docs

90  
docs citations

90  
times ranked

14338  
citing authors

#	ARTICLE	IF	CITATIONS
1	A complex secretory program orchestrated by the inflammasome controls paracrine senescence. <i>Nature Cell Biology</i> , 2013, 15, 978-990.	10.3	1,566
2	Targeting metastasis-initiating cells through the fatty acid receptor CD36. <i>Nature</i> , 2017, 541, 41-45.	27.8	962
3	Adipocyte-induced CD36 expression drives ovarian cancer progression and metastasis. <i>Oncogene</i> , 2018, 37, 2285-2301.	5.9	332
4	Nonoverlapping Functions of the Polycomb Group Cbx Family of Proteins in Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2012, 10, 47-62.	11.1	294
5	Rho signals to cell growth and apoptosis. <i>Cancer Letters</i> , 2001, 165, 1-10.	7.2	288
6	Circadian Reprogramming in the Liver Identifies Metabolic Pathways of Aging. <i>Cell</i> , 2017, 170, 664-677.e11.	28.9	277
7	The circadian molecular clock creates epidermal stem cell heterogeneity. <i>Nature</i> , 2011, 480, 209-214.	27.8	273
8	Stem Cell Depletion Through Epidermal Deletion of Rac1. <i>Science</i> , 2005, 309, 933-935.	12.6	243
9	Phf19 links methylated Lys36 of histone H3 to regulation of Polycomb activity. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1257-1265.	8.2	229
10	Defining the Independence of the Liver Circadian Clock. <i>Cell</i> , 2019, 177, 1448-1462.e14.	28.9	213
11	Rho GTPase expression in tumorigenesis: Evidence for a significant link. <i>BioEssays</i> , 2005, 27, 602-613.	2.5	211
12	Aged Stem Cells Reprogram Their Daily Rhythmic Functions to Adapt to Stress. <i>Cell</i> , 2017, 170, 678-692.e20.	28.9	189
13	Epigenetic control of adult stem cell function. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 643-658.	37.0	188
14	RYBP and Cbx7 Define Specific Biological Functions of Polycomb Complexes in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2013, 3, 60-69.	6.4	183
15	Dnmt3a and Dnmt3b Associate with Enhancers to Regulate Human Epidermal Stem Cell Homeostasis. <i>Cell Stem Cell</i> , 2016, 19, 491-501.	11.1	170
16	Identity Noise and Adipogenic Traits Characterize Dermal Fibroblast Aging. <i>Cell</i> , 2018, 175, 1575-1590.e22.	28.9	168
17	The RNA-Methyltransferase Misu (NSun2) Poises Epidermal Stem Cells to Differentiate. <i>PLoS Genetics</i> , 2011, 7, e1002403.	3.5	160
18	MYC in mammalian epidermis: how can an oncogene stimulate differentiation?. <i>Nature Reviews Cancer</i> , 2008, 8, 234-242.	28.4	144

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19	Regenerating the skin: a task for the heterogeneous stem cell pool and surrounding niche. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 737-748.	37.0	131
20	Regulation of Human Epidermal Stem Cell Proliferation and Senescence Requires Polycomb- Dependent and -Independent Functions of Cbx4. <i>Cell Stem Cell</i> , 2011, 9, 233-246.	11.1	128
21	Dietary palmitic acid promotes a prometastatic memory via Schwann cells. <i>Nature</i> , 2021, 599, 485-490.	27.8	126
22	Human Epidermal Stem Cell Function Is Regulated by Circadian Oscillations. <i>Cell Stem Cell</i> , 2013, 13, 745-753.	11.1	117
23	Myc regulates keratinocyte adhesion and differentiation via complex formation with Miz1. <i>Journal of Cell Biology</i> , 2006, 172, 139-149.	5.2	108
24	BMAL1-Driven Tissue Clocks Respond Independently to Light to Maintain Homeostasis. <i>Cell</i> , 2019, 177, 1436-1447.e12.	28.9	107
25	Rho GTPases: potential candidates for anticancer therapy. <i>Cancer Letters</i> , 2004, 206, 181-191.	7.2	106
26	Mitochondrial RNA modifications shape metabolic plasticity in metastasis. <i>Nature</i> , 2022, 607, 593-603.	27.8	102
27	Simultaneous Tyrosine and Serine Phosphorylation of STAT3 Transcription Factor Is Involved in Rho A GTPase Oncogenic Transformation. <i>Molecular Biology of the Cell</i> , 2001, 12, 3282-3294.	2.1	101
28	MSK1 regulates luminal cell differentiation and metastatic dormancy in ER+ breast cancer. <i>Nature Cell Biology</i> , 2018, 20, 211-221.	10.3	98
29	Cell Stress and MEK1-mediated c-Jun Activation Modulate NF $\kappa$ B Activity and Cell Viability. <i>Molecular Biology of the Cell</i> , 2002, 13, 2933-2945.	2.1	92
30	Epigenetic control of IL-23 expression in keratinocytes is important for chronic skin inflammation. <i>Nature Communications</i> , 2018, 9, 1420.	12.8	88
31	MacroH2A1 Regulates the Balance between Self-Renewal and Differentiation Commitment in Embryonic and Adult Stem Cells. <i>Molecular and Cellular Biology</i> , 2012, 32, 1442-1452.	2.3	86
32	Rho GTPases in human cancer: an unresolved link to upstream and downstream transcriptional regulation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004, 1705, 121-132.	7.4	82
33	ROCK and Nuclear Factor- $\kappa$ B-dependent Activation of Cyclooxygenase-2 by Rho GTPases: Effects on Tumor Growth and Therapeutic Consequences. <i>Molecular Biology of the Cell</i> , 2003, 14, 3041-3054.	2.1	76
34	Apoptosis Induced by Rac GTPase Correlates with Induction of FasL and Ceramides Production. <i>Molecular Biology of the Cell</i> , 2000, 11, 4347-4358.	2.1	69
35	Jarid2 regulates mouse epidermal stem cell activation and differentiation. <i>EMBO Journal</i> , 2011, 30, 3635-3646.	7.8	68
36	Polycomb in Stem Cells: PRC1 Branches Out. <i>Cell Stem Cell</i> , 2012, 11, 16-21.	11.1	60

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37	The contributions of cancer cell metabolism to metastasis. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	58
38	The opposing transcriptional functions of Sin3a and c-Myc are required to maintain tissue homeostasis. <i>Nature Cell Biology</i> , 2011, 13, 1395-1405.	10.3	57
39	Cbx4 maintains the epithelial lineage identity and cell proliferation in the developing stratified epithelium. <i>Journal of Cell Biology</i> , 2016, 212, 77-89.	5.2	57
40	The epigenetics of tumour initiation: cancer stem cells and their chromatin. <i>Current Opinion in Genetics and Development</i> , 2016, 36, 8-15.	3.3	53
41	A Critical Role for Rac1 in Tumor Progression of Human Colorectal Adenocarcinoma Cells. <i>American Journal of Pathology</i> , 2008, 172, 156-166.	3.8	52
42	Molecular Connections Between Circadian Clocks and Aging. <i>Journal of Molecular Biology</i> , 2020, 432, 3661-3679.	4.2	52
43	Integration of feeding behavior by the liver circadian clock reveals network dependency of metabolic rhythms. <i>Science Advances</i> , 2021, 7, eabi7828.	10.3	50
44	Circadian Regulation of Adult Stem Cell Homeostasis and Aging. <i>Cell Stem Cell</i> , 2020, 26, 817-831.	11.1	49
45	Loss of Dnmt3a and Dnmt3b does not affect epidermal homeostasis but promotes squamous transformation through PPAR- $\beta$ . <i>ELife</i> , 2017, 6, .	6.0	45
46	Role of LIM Kinases in Normal and Psoriatic Human Epidermis. <i>Molecular Biology of the Cell</i> , 2006, 17, 1888-1896.	2.1	44
47	From oncogene to tumor suppressor. <i>Cell Cycle</i> , 2012, 11, 1757-1764.	2.6	44
48	Circadian control of tissue homeostasis and adult stem cells. <i>Current Opinion in Cell Biology</i> , 2014, 31, 8-15.	5.4	40
49	STAT5a Activation Mediates the Epithelial to Mesenchymal Transition Induced by Oncogenic RhoA.. <i>Molecular Biology of the Cell</i> , 2003, 14, 40-53.	2.1	39
50	E-box-independent regulation of transcription and differentiation by MYC. <i>Nature Cell Biology</i> , 2011, 13, 1443-1449.	10.3	37
51	Searching new targets for anticancer drug design: The families of Ras and Rho GTPases and their effectors. <i>Progress in Molecular Biology and Translational Science</i> , 2001, 67, 193-234.	1.9	36
52	Chromatin regulators in mammalian epidermis. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 897-905.	5.0	36
53	Loss of G9a preserves mutation patterns but increases chromatin accessibility, genomic instability and aggressiveness in skin tumours. <i>Nature Cell Biology</i> , 2018, 20, 1400-1409.	10.3	35
54	ZRF1 controls oncogene-induced senescence through the INK4-ARF locus. <i>Oncogene</i> , 2013, 32, 2161-2168.	5.9	30

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55	Zrf1 is required to establish and maintain neural progenitor identity. <i>Genes and Development</i> , 2014, 28, 182-197.	5.9	29
56	Epigenetic regulation of adult stem cell function. <i>FEBS Journal</i> , 2015, 282, 1589-1604.	4.7	28
57	VAV2 signaling promotes regenerative proliferation in both cutaneous and head and neck squamous cell carcinoma. <i>Nature Communications</i> , 2020, 11, 4788.	12.8	27
58	Stem cells in ectodermal development. <i>Journal of Molecular Medicine</i> , 2012, 90, 783-790.	3.9	24
59	Dissecting the Calcium-Induced Differentiation of Human Primary Keratinocytes Stem Cells by Integrative and Structural Network Analyses. <i>PLoS Computational Biology</i> , 2015, 11, e1004256.	3.2	20
60	A unique subset of glycolytic tumour-propagating cells drives squamous cell carcinoma. <i>Nature Metabolism</i> , 2021, 3, 182-195.	11.9	17
61	Suprabasal $\alpha 5 \beta 1$ integrin expression stimulates formation of epidermal squamous cell carcinomas without disrupting TGF $\beta 2$ signaling or inducing spindle cell tumors. <i>Molecular Carcinogenesis</i> , 2005, 44, 60-66.	2.7	15
62	Epidermal Deletion of Rac1 Causes Stem Cell Depletion, Irrespective of whether Deletion Occurs during Embryogenesis or Adulthood. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1555-1557.	0.7	14
63	Gluteal Augmentation With Cryopreserved Fat. <i>Aesthetic Surgery Journal</i> , 2010, 30, 211-216.	1.6	14
64	Expression Analysis of the Stem Cell Marker Pw1/Peg3 Reveals a CD34 Negative Progenitor Population in the Hair Follicle. <i>Stem Cells</i> , 2017, 35, 1015-1027.	3.2	13
65	The central clock suffices to drive the majority of circulatory metabolic rhythms. <i>Science Advances</i> , 2022, 8, .	10.3	11
66	Repression of endogenous retroviruses prevents antiviral immune response and is required for mammary gland development. <i>Cell Stem Cell</i> , 2021, 28, 1790-1804.e8.	11.1	10
67	Lipid metabolism in metastasis and therapy. <i>Current Opinion in Systems Biology</i> , 2021, 28, 100401.	2.6	10
68	Skin-cancer stem cells outwitted. <i>Nature</i> , 2011, 478, 329-330.	27.8	8
69	Rac1 Deletion Causes Thymic Atrophy. <i>PLoS ONE</i> , 2011, 6, e19292.	2.5	8
70	Bmal1-knockout mice exhibit reduced cocaine-seeking behaviour and cognitive impairments. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113333.	5.6	7
71	Combined statistical modeling enables accurate mining of circadian transcription. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab031.	3.2	6
72	Metastatic-initiating cells and lipid metabolism. <i>Cell Stress</i> , 2017, 1, 110-114.	3.2	6

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73	Epidermal stem cells in skin homeostasis and cutaneous carcinomas. <i>Clinical and Translational Oncology</i> , 2007, 9, 760-766.	2.4	4
74	Defining an epidermal stem cell epigenetic network. <i>Nature Cell Biology</i> , 2012, 14, 652-653.	10.3	4
75	Alterations to the circadian clock make brain tumours vulnerable. <i>Nature</i> , 2019, 574, 337-338.	27.8	4
76	Mammalian PERIOD2 regulates H2A.Z incorporation in chromatin to orchestrate circadian negative feedback. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 549-562.	8.2	4
77	Collecting mouse livers for transcriptome analysis of daily rhythms. <i>STAR Protocols</i> , 2021, 2, 100539.	1.2	3
78	Tuning up an aged clock: Circadian clock regulation in metabolism and aging. <i>Translational Medicine of Aging</i> , 2022, 6, 1-13.	1.3	3
79	The Rho guanosine nucleotide exchange factors Vav2 and Vav3 modulate epidermal stem cell function. <i>Oncogene</i> , 2022, 41, 3341-3354.	5.9	3
80	Stem Cell Epigenetics: Looking Forward. <i>Cell Stem Cell</i> , 2014, 14, 706-709.	11.1	1
81	L1CAM links regeneration to metastasis. <i>Nature Cancer</i> , 2020, 1, 22-24.	13.2	0