

# Tristan A Rodríguez

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,650  
citations

201385

27  
h-index

214527

47  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitofusins <i>Mfn1</i> and <i>Mfn2</i> Are Required to Preserve Glucose- but Not Incretin-Stimulated $\beta^2$ -Cell Connectivity and Insulin Secretion. <i>Diabetes</i> , 2022, 71, 1472-1489.	0.3	14
2	DRP1 levels determine the apoptotic threshold during embryonic differentiation through a mitophagy-dependent mechanism. <i>Developmental Cell</i> , 2022, 57, 1316-1330.e7.	3.1	15
3	Cell competition and the regulative nature of early mammalian development. <i>Cell Stem Cell</i> , 2022, 29, 1018-1030.	5.2	11
4	Cell Competition: A Choreographed Dance of Death. <i>Current Biology</i> , 2021, 31, R255-R257.	1.8	0
5	Mutant p53 in cell-cell interactions. <i>Genes and Development</i> , 2021, 35, 433-448.	2.7	26
6	Cell competition acts as a purifying selection to eliminate cells with mitochondrial defects during early mouse development. <i>Nature Metabolism</i> , 2021, 3, 1091-1108.	5.1	33
7	Genetically variant human pluripotent stem cells selectively eliminate wild-type counterparts through YAP-mediated cell competition. <i>Developmental Cell</i> , 2021, 56, 2455-2470.e10.	3.1	40
8	DB special issue - Cell Competition in Development and Disease. <i>Developmental Biology</i> , 2021, 479, 123-125.	0.9	0
9	MHC-I presents: tumor surveillance in the epithelia by cell competition. <i>Nature Immunology</i> , 2021, 22, 1358-1360.	7.0	2
10	Transcriptional versus metabolic control of cell fitness during cell competition. <i>Seminars in Cancer Biology</i> , 2020, 63, 36-43.	4.3	16
11	Evolution of an Amniote-Specific Mechanism for Modulating Ubiquitin Signaling via Phosphoregulation of the E2 Enzyme UBE2D3. <i>Molecular Biology and Evolution</i> , 2020, 37, 1986-2001.	3.5	2
12	Cell competition: the winners and losers of fitness selection. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	116
13	Genetic Deletion of <i>Hesx1</i> Promotes Exit from the Pluripotent State and Impairs Developmental Diapause. <i>Stem Cell Reports</i> , 2019, 13, 970-979.	2.3	9
14	P53 and mTOR signalling determine fitness selection through cell competition during early mouse embryonic development. <i>Nature Communications</i> , 2018, 9, 1763.	5.8	91
15	The Mitochondria and the Regulation of Cell Fitness During Early Mammalian Development. <i>Current Topics in Developmental Biology</i> , 2018, 128, 339-363.	1.0	32
16	A Tale of Division and Polarization in the Mammalian Embryo. <i>Developmental Cell</i> , 2017, 40, 215-216.	3.1	0
17	Cell Competition and Its Role in the Regulation of Cell Fitness from Development to Cancer. <i>Developmental Cell</i> , 2016, 38, 621-634.	3.1	150
18	Cancer: The Transforming Power of Cell Competition. <i>Current Biology</i> , 2016, 26, R164-R166.	1.8	12

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19	Activin A directs striatal projection neuron differentiation of human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015, 142, 1375-1386.	1.2	134
20	Selecting for fitness in mammalian development. <i>Cell Cycle</i> , 2014, 13, 9-10.	1.3	6
21	MicroRNAs control the apoptotic threshold in primed pluripotent stem cells through regulation of BIM. <i>Genes and Development</i> , 2014, 28, 1873-1878.	2.7	47
22	HOIP Deficiency Causes Embryonic Lethality by Aberrant TNFR1-Mediated Endothelial Cell Death. <i>Cell Reports</i> , 2014, 9, 153-165.	2.9	217
23	Development: Hippo Signalling Turns the Embryo Inside Out. <i>Current Biology</i> , 2013, 23, R559-R561.	1.8	22
24	Competitive Interactions Eliminate Unfit Embryonic Stem Cells at the Onset of Differentiation. <i>Developmental Cell</i> , 2013, 26, 19-30.	3.1	199
25	Ready, set, differentiate!. <i>ELife</i> , 2013, 2, e01839.	2.8	1
26	Multi-Cellular Rosettes in the Mouse Visceral Endoderm Facilitate the Ordered Migration of Anterior Visceral Endoderm Cells. <i>PLoS Biology</i> , 2012, 10, e1001256.	2.6	105
27	Activin induces cortical interneuron identity and differentiation in embryonic stem cell-derived telencephalic neural precursors. <i>Nature Communications</i> , 2012, 3, 841.	5.8	68
28	BMP signaling induces visceral endoderm differentiation of XEN cells and parietal endoderm. <i>Developmental Biology</i> , 2012, 361, 90-102.	0.9	72
29	Crosstalk between Nodal/Activin and MAPK p38 Signaling Is Essential for Anterior-Posterior Axis Specification. <i>Current Biology</i> , 2011, 21, 1289-1295.	1.8	27
30	Coordination of cell proliferation and anterior-posterior axis establishment in the mouse embryo. <i>Development (Cambridge)</i> , 2011, 138, 1521-1530.	1.2	44
31	MiRNA-mediated regulation of cell signaling and homeostasis in the early mouse embryo. <i>Cell Cycle</i> , 2011, 10, 584-591.	1.3	15
32	Nodal Dependent Differential Localisation of Dishevelled-2 Demarcates Regions of Differing Cell Behaviour in the Visceral Endoderm. <i>PLoS Biology</i> , 2011, 9, e1001019.	2.6	46
33	Correct Patterning of the Primitive Streak Requires the Anterior Visceral Endoderm. <i>PLoS ONE</i> , 2011, 6, e17620.	1.1	30
34	Differences in the epigenetic and reprogramming properties of pluripotent and extra-embryonic stem cells implicate chromatin remodelling as an important early event in the developing mouse embryo. <i>Epigenetics and Chromatin</i> , 2010, 3, 1.	1.8	30
35	An Early Developmental Role for miRNAs in the Maintenance of Extraembryonic Stem Cells in the Mouse Embryo. <i>Developmental Cell</i> , 2010, 19, 207-219.	3.1	80
36	Dicer regulates Xist promoter methylation in ES cells indirectly through transcriptional control of Dnmt3a. <i>Epigenetics and Chromatin</i> , 2008, 1, 2.	1.8	76

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37	BMP signalling inhibits premature neural differentiation in the mouse embryo. <i>Development (Cambridge)</i> , 2007, 134, 3359-3369.	1.2	142
38	Early embryonic expression patterns of the mouse <i>Flamingo</i> and <i>Prickle</i> orthologues. <i>Developmental Dynamics</i> , 2007, 236, 3137-3143.	0.8	27
39	Induction and migration of the anterior visceral endoderm is regulated by the extra-embryonic ectoderm. <i>Development (Cambridge)</i> , 2005, 132, 2513-2520.	1.2	131
40	Cited1 Is Required in Trophoblasts for Placental Development and for Embryo Growth and Survival. <i>Molecular and Cellular Biology</i> , 2004, 24, 228-244.	1.1	80
41	Targeted deletion of the novel cytoplasmic dynein mD2LIC disrupts the embryonic organiser, formation of the body axes and specification of ventral cell fates. <i>Development (Cambridge)</i> , 2004, 131, 4999-5007.	1.2	62
42	Active cell migration drives the unilateral movements of the anterior visceral endoderm. <i>Development (Cambridge)</i> , 2004, 131, 1157-1164.	1.2	159
43	Folic acid prevents exencephaly in Cited2 deficient mice. <i>Human Molecular Genetics</i> , 2002, 11, 283-293.	1.4	145
44	Remembering Rosa Beddington? A tribute from her friends and colleagues. <i>Developmental Dynamics</i> , 2002, 223, 3-11.	0.8	0
45	Distinct Enhancer Elements Control Hex Expression during Gastrulation and Early Organogenesis. <i>Developmental Biology</i> , 2001, 234, 304-316.	0.9	91
46	Spermatogenic failure in male mice with four sex chromosomes. <i>Chromosoma</i> , 2001, 110, 124-129.	1.0	14
47	Nodal signalling in the epiblast patterns the early mouse embryo. <i>Nature</i> , 2001, 411, 965-969.	13.7	489
48	The Homeobox Gene <i>Hesx1</i> Is Required in the Anterior Neural Ectoderm for Normal Forebrain Formation. <i>Developmental Biology</i> , 2000, 223, 422-430.	0.9	101
49	The meiotic checkpoint monitoring synapsis eliminates spermatocytes via p53-independent apoptosis. <i>Nature Genetics</i> , 1998, 18, 257-261.	9.4	246
50	<i>Msg1</i> and <i>Mrg1</i> , founding members of a gene family, show distinct patterns of gene expression during mouse embryogenesis. <i>Mechanisms of Development</i> , 1998, 72, 27-40.	1.7	155
51	Fertile XY*O male mice: evidence for a mutation which circumvents the "meiotic quality control"™. <i>Genetical Research</i> , 1997, 70, 79-89.	0.3	0