

# Pedro Maria Fernandez-Salguero

## List of Publications by Citations

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102  
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47  
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95  
g-index

105  
ext. papers

9,769  
ext. citations

6.9  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
102	Immune system impairment and hepatic fibrosis in mice lacking the dioxin-binding Ah receptor. <i>Science</i> , <b>1995</b> , 268, 722-6	33.3	928
101	The T/ebp null mouse: thyroid-specific enhancer-binding protein is essential for the organogenesis of the thyroid, lung, ventral forebrain, and pituitary. <i>Genes and Development</i> , <b>1996</b> , 10, 60-9	12.6	924
100	Aryl-hydrocarbon receptor-deficient mice are resistant to 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced toxicity. <i>Toxicology and Applied Pharmacology</i> , <b>1996</b> , 140, 173-9	4.6	693
99	Role of CYP2E1 in the hepatotoxicity of acetaminophen. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 12063-7	3.7	464
98	Genomic instability in Gadd45a-deficient mice. <i>Nature Genetics</i> , <b>1999</b> , 23, 176-84	36.3	418
97	The aryl hydrocarbon receptor, more than a xenobiotic-interacting protein. <i>FEBS Letters</i> , <b>2007</b> , 581, 3608-15	3.85	297
96	Lesions of aryl-hydrocarbon receptor-deficient mice. <i>Veterinary Pathology</i> , <b>1997</b> , 34, 605-14	2.8	292
95	Molecular basis of the human dihydropyrimidine dehydrogenase deficiency and 5-fluorouracil toxicity. <i>Journal of Clinical Investigation</i> , <b>1996</b> , 98, 610-5	15.9	255
94	Targeted genomic disruption of H-ras and N-ras, individually or in combination, reveals the dispensability of both loci for mouse growth and development. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 1444-52	4.8	243
93	Amelioration of TCDD-induced teratogenesis in aryl hydrocarbon receptor (AhR)-null mice. <i>Toxicological Sciences</i> , <b>1999</b> , 47, 86-92	4.4	196
92	Resveratrol-induced apoptosis in MCF-7 human breast cancer cells involves a caspase-independent mechanism with downregulation of Bcl-2 and NF-kappaB. <i>International Journal of Cancer</i> , <b>2005</b> , 115, 74-84	7.5	191
91	The antiproliferative activity of resveratrol results in apoptosis in MCF-7 but not in MDA-MB-231 human breast cancer cells: cell-specific alteration of the cell cycle. <i>Biochemical Pharmacology</i> , <b>2002</b> , 64, 1375-86	6	188
90	Targeted disruption of the microsomal epoxide hydrolase gene. Microsomal epoxide hydrolase is required for the carcinogenic activity of 7,12-dimethylbenz[a]anthracene. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 23963-8	5.4	150
89	New Trends in Aryl Hydrocarbon Receptor Biology. <i>Frontiers in Cell and Developmental Biology</i> , <b>2016</b> , 4, 45	5.7	143
88	Characterization of the human dihydropyrimidine dehydrogenase gene. <i>Genomics</i> , <b>1998</b> , 51, 391-400	4.3	142
87	The involvement of aryl hydrocarbon receptor in the activation of transforming growth factor-beta and apoptosis. <i>Molecular Pharmacology</i> , <b>1998</b> , 54, 313-21	4.3	132
86	Expression of CYP2A genes in human liver and extrahepatic tissues. <i>Biochemical Pharmacology</i> , <b>1999</b> , 57, 1407-13	6	131

85	Mechanisms involved in resveratrol-induced apoptosis and cell cycle arrest in prostate cancer-derived cell lines. <i>Journal of Andrology</i> , <b>2007</b> , 28, 282-93		129
84	Resveratrol modulates the phosphoinositide 3-kinase pathway through an estrogen receptor alpha-dependent mechanism: relevance in cell proliferation. <i>International Journal of Cancer</i> , <b>2004</b> , 109, 167-73	7.5	113
83	Dihydropyrimidine dehydrogenase pharmacogenetics in Caucasian subjects. <i>British Journal of Clinical Pharmacology</i> , <b>1998</b> , 46, 151-6	3.8	104
82	Neonatal lethality associated with respiratory distress in mice lacking cytochrome P450 1A2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 5134-8	11.5	91
81	Nomenclature for human DPYD alleles. <i>Pharmacogenetics and Genomics</i> , <b>1998</b> , 8, 455-9		85
80	A mesenchymal-like phenotype and expression of CD44 predict lack of apoptotic response to sorafenib in liver tumor cells. <i>International Journal of Cancer</i> , <b>2015</b> , 136, E161-72	7.5	82
79	The dioxin receptor is silenced by promoter hypermethylation in human acute lymphoblastic leukemia through inhibition of Sp1 binding. <i>Carcinogenesis</i> , <b>2006</b> , 27, 1099-104	4.6	82
78	Immortalized mouse mammary fibroblasts lacking dioxin receptor have impaired tumorigenicity in a subcutaneous mouse xenograft model. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 28731-41	5.4	80
77	Aryl hydrocarbon receptor-dependent induction of liver fibrosis by dioxin. <i>Toxicological Sciences</i> , <b>2014</b> , 137, 114-24	4.4	79
76	Dihydropyrimidine dehydrogenase pharmacogenetics in patients with colorectal cancer. <i>British Journal of Cancer</i> , <b>1998</b> , 77, 497-500	8.7	72
75	Bmi1 regulates murine intestinal stem cell proliferation and self-renewal downstream of Notch. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 41-50	6.6	71
74	Diagnostic analysis, clinical importance and molecular basis of dihydropyrimidine dehydrogenase deficiency. <i>Trends in Pharmacological Sciences</i> , <b>1995</b> , 16, 325-7	13.2	70
73	Polycyclic aromatic hydrocarbon-inducible DNA adducts: evidence by 32P-postlabeling and use of knockout mice for Ah receptor-independent mechanisms of metabolic activation in vivo. <i>International Journal of Cancer</i> , <b>2003</b> , 103, 5-11	7.5	66
72	The dioxin receptor regulates the constitutive expression of the vav3 proto-oncogene and modulates cell shape and adhesion. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 1715-27	3.5	64
71	Dioxin receptor and SLUG transcription factors regulate the insulator activity of B1 SINE retrotransposons via an RNA polymerase switch. <i>Genome Research</i> , <b>2011</b> , 21, 422-32	9.7	64
70	CYP1A2 is not the primary enzyme responsible for 4-aminobiphenyl-induced hepatocarcinogenesis in mice. <i>Carcinogenesis</i> , <b>1999</b> , 20, 1825-30	4.6	63
69	Proteasome inhibition induces nuclear translocation and transcriptional activation of the dioxin receptor in mouse embryo primary fibroblasts in the absence of xenobiotics. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 1700-9	4.8	62
68	L-kynurenine/aryl hydrocarbon receptor pathway mediates brain damage after experimental stroke. <i>Circulation</i> , <b>2014</b> , 130, 2040-51	16.7	61

67	Fitting a xenobiotic receptor into cell homeostasis: how the dioxin receptor interacts with TGFbeta signaling. <i>Biochemical Pharmacology</i> , <b>2009</b> , 77, 700-12	6	61
66	The CYP2A gene subfamily: species differences, regulation, catalytic activities and role in chemical carcinogenesis. <i>Pharmacogenetics and Genomics</i> , <b>1995</b> , 5 Spec No, S123-8		61
65	Dioxin receptor deficiency impairs angiogenesis by a mechanism involving VEGF-A depletion in the endothelium and transforming growth factor-beta overexpression in the stroma. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 25135-48	5.4	58
64	Regulation of cell survival by resveratrol involves inhibition of NF kappa B-regulated gene expression in prostate cancer cells. <i>Prostate</i> , <b>2009</b> , 69, 1045-54	4.2	58
63	The dioxin receptor has tumor suppressor activity in melanoma growth and metastasis. <i>Carcinogenesis</i> , <b>2013</b> , 34, 2683-93	4.6	55
62	The aryl hydrocarbon receptor in the crossroad of signalling networks with therapeutic value. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 185, 50-63	13.9	54
61	Differential regulation of mouse Ah receptor gene expression in cell lines of different tissue origins. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 333, 170-8	4.1	54
60	Loss of dioxin-receptor expression accelerates wound healing in vivo by a mechanism involving TGFbeta. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 1823-33	5.3	53
59	CD69 controls the uptake of L-tryptophan through LAT1-CD98 and AhR-dependent secretion of IL-22 in psoriasis. <i>Nature Immunology</i> , <b>2016</b> , 17, 985-96	19.1	52
58	Transcriptional factor aryl hydrocarbon receptor (Ahr) controls cardiovascular and respiratory functions by regulating the expression of the Vav3 proto-oncogene. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 2896-909	5.4	51
57	Organization and evolution of the cytochrome P450 CYP2A-2B-2F subfamily gene cluster on human chromosome 19. <i>Journal of Molecular Evolution</i> , <b>1995</b> , 41, 894-900	3.1	50
56	Genome-wide B1 retrotransposon binds the transcription factors dioxin receptor and Slug and regulates gene expression in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1632-7	11.5	49
55	Non-genomic action of resveratrol on androgen and oestrogen receptors in prostate cancer: modulation of the phosphoinositide 3-kinase pathway. <i>British Journal of Cancer</i> , <b>2007</b> , 96, 1595-604	8.7	47
54	Overexpression of latent transforming growth factor-beta binding protein 1 (LTBP-1) in dioxin receptor-null mouse embryo fibroblasts. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 849-59	5.3	47
53	Thioridazine steady-state plasma concentrations are influenced by tobacco smoking and CYP2D6, but not by the CYP2C9 genotype. <i>European Journal of Clinical Pharmacology</i> , <b>2003</b> , 59, 45-50	2.8	42
52	Effect of thioridazine dosage on the debrisoquine hydroxylation phenotype in psychiatric patients with different CYP2D6 genotypes. <i>Therapeutic Drug Monitoring</i> , <b>2001</b> , 23, 616-20	3.2	42
51	Assignment of the human dihydropyrimidine dehydrogenase gene (DPYD) to chromosome region 1p22 by fluorescence in situ hybridization. <i>Genomics</i> , <b>1994</b> , 24, 613-4	4.3	42
50	Xenobiotic receptor knockout mice. <i>Toxicology Letters</i> , <b>1995</b> , 82-83, 117-21	4.4	41

49	Dioxin receptor expression inhibits basal and transforming growth factor $\beta$ -induced epithelial-to-mesenchymal transition. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 7841-7856	5.4	40
48	Aryl hydrocarbon receptor-dependent induction of apoptosis by 2,3,7,8-tetrachlorodibenzo-p-dioxin in cerebellar granule cells from mouse. <i>Journal of Neurochemistry</i> , <b>2011</b> , 118, 153-62	6	40
47	Liver portal fibrosis in dioxin receptor-null mice that overexpress the latent transforming growth factor-beta-binding protein-1. <i>International Journal of Experimental Pathology</i> , <b>2004</b> , 85, 295-302	2.8	39
46	Aryl hydrocarbon receptor-induced adrenomedullin mediates cigarette smoke carcinogenicity in humans and mice. <i>Cancer Research</i> , <b>2012</b> , 72, 5790-800	10.1	38
45	LTBP-1 blockade in dioxin receptor-null mouse embryo fibroblasts decreases TGF-beta activity: Role of extracellular proteases plasmin and elastase. <i>Journal of Cellular Biochemistry</i> , <b>2006</b> , 97, 380-92	4.7	35
44	Carcinogenesis of the food mutagen PhIP in mice is independent of CYP1A2. <i>Carcinogenesis</i> , <b>2003</b> , 24, 583-7	4.6	35
43	Recruitment of CREB1 and histone deacetylase 2 (HDAC2) to the mouse <i>Ltbp-1</i> promoter regulates its constitutive expression in a dioxin receptor-dependent manner. <i>Journal of Molecular Biology</i> , <b>2008</b> , 380, 1-16	6.5	33
42	Potassium-induced apoptosis in rat cerebellar granule cells involves cell-cycle blockade at the G1/S transition. <i>Journal of Molecular Neuroscience</i> , <b>2000</b> , 15, 155-65	3.3	33
41	Effect of phenobarbital on hepatic CYP1A1 and CYP1A2 in the <i>Ahr</i> -null mouse. <i>Biochemical Pharmacology</i> , <b>1998</b> , 55, 235-8	6	33
40	Alu retrotransposons promote differentiation of human carcinoma cells through the aryl hydrocarbon receptor. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 4665-83	20.1	33
39	Comparison of substrate metabolism by wild type CYP2D6 protein and a variant containing methionine, not valine, at position 374. <i>Pharmacogenetics and Genomics</i> , <b>1995</b> , 5, 234-43		32
38	2,3,7,8-Tetrachlorodibenzo-p-dioxin induces apoptosis in neural growth factor (NGF)-differentiated pheochromocytoma PC12 cells. <i>NeuroToxicology</i> , <b>2010</b> , 31, 267-76	4.4	31
37	Lack of correlation between phenotype and genotype for the polymorphically expressed dihydropyrimidine dehydrogenase in a family of Pakistani origin. <i>Pharmacogenetics and Genomics</i> , <b>1997</b> , 7, 161-3		31
36	Oculomotor deficits in aryl hydrocarbon receptor null mouse. <i>PLoS ONE</i> , <b>2013</b> , 8, e53520	3.7	31
35	Aryl hydrocarbon receptor contributes to the MEK/ERK-dependent maintenance of the immature state of human dendritic cells. <i>Blood</i> , <b>2013</b> , 121, e108-17	2.2	29
34	CYP2A6 gene polymorphism and risk of liver cancer and cirrhosis. <i>Pharmacogenetics and Genomics</i> , <b>1997</b> , 7, 247-50		29
33	Hepatic fibrosis and cytochrome P450: experimental models of fibrosis compared to AHR knockout mice. <i>Hepatology Research</i> , <b>2000</b> , 17, 112-125	5.1	28
32	Dioxin receptor regulates aldehyde dehydrogenase to block melanoma tumorigenesis and metastasis. <i>Molecular Cancer</i> , <b>2015</b> , 14, 148	42.1	27

31	Selenocysteine tRNA <sup>[Ser]</sup> Sec levels and selenium-dependent glutathione peroxidase activity in mouse embryonic stem cells heterozygous for a targeted mutation in the tRNA <sup>[Ser]</sup> Sec gene. <i>Biochemistry</i> , <b>1997</b> , 36, 8634-9	3.2	24
30	Proteasome inhibition induces nuclear translocation of the dioxin receptor through an Sp1 and protein kinase C-dependent pathway. <i>Journal of Molecular Biology</i> , <b>2003</b> , 333, 249-60	6.5	23
29	Correlation between catalytic activity and protein content for the polymorphically expressed dihydropyrimidine dehydrogenase in human lymphocytes. <i>Biochemical Pharmacology</i> , <b>1995</b> , 50, 1015-20 <sup>6</sup>	6	23
28	A remarkable new target gene for the dioxin receptor: The Vav3 proto-oncogene links AhR to adhesion and migration. <i>Cell Adhesion and Migration</i> , <b>2010</b> , 4, 172-5	3.2	21
27	Role of transforming growth factor beta in cancer microenvironment. <i>Clinical and Translational Oncology</i> , <b>2009</b> , 11, 715-20	3.6	20
26	The dioxin receptor controls $\beta$ integrin activation in fibroblasts through a Cbp-Csk-Src pathway. <i>Cellular Signalling</i> , <b>2013</b> , 25, 848-59	4.9	19
25	Lack of the aryl hydrocarbon receptor accelerates aging in mice. <i>FASEB Journal</i> , <b>2019</b> , 33, 12644-12654	0.9	17
24	Dioxin Receptor Adjusts Liver Regeneration After Acute Toxic Injury and Protects Against Liver Carcinogenesis. <i>Scientific Reports</i> , <b>2017</b> , 7, 10420	4.9	17
23	Histone H4 acetylation regulates behavioral inter-individual variability in zebrafish. <i>Genome Biology</i> , <b>2018</b> , 19, 55	18.3	16
22	Skin response to a carcinogen involves the xenobiotic receptor pregnane X receptor. <i>Experimental Dermatology</i> , <b>2015</b> , 24, 835-40	4	16
21	B1-SINE retrotransposons: Establishing genomic insulatory networks. <i>Mobile Genetic Elements</i> , <b>2011</b> , 1, 66-70		16
20	Lung regeneration after toxic injury is improved in absence of dioxin receptor. <i>Stem Cell Research</i> , <b>2017</b> , 25, 61-71	1.6	14
19	Aryl Hydrocarbon Receptor Promotes Liver Polyploidization and Inhibits PI3K, ERK, and Wnt/ $\beta$ Catenin Signaling. <i>iScience</i> , <b>2018</b> , 4, 44-63	6.1	14
18	Down-regulation of CYP1A2 induction during the maturation of mouse cerebellar granule cells in culture: role of nitric oxide accumulation. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 2265-72	3.5	13
17	The Dioxin receptor modulates Caveolin-1 mobilization during directional migration: role of cholesterol. <i>Cell Communication and Signaling</i> , <b>2014</b> , 12, 57	7.5	12
16	Modulation of the sarcoplasmic reticulum (Ca <sup>2+</sup> + Mg <sup>2+</sup> )-ATPase by pentobarbital. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1990</b> , 1022, 33-40	3.8	12
15	piRNA-associated proteins and retrotransposons are differentially expressed in murine testis and ovary of aryl hydrocarbon receptor deficient mice. <i>Open Biology</i> , <b>2016</b> , 6,	7	11
14	Vav proteins maintain epithelial traits in breast cancer cells using miR-200c-dependent and independent mechanisms. <i>Oncogene</i> , <b>2019</b> , 38, 209-227	9.2	9

13	Neuroprotection against excitotoxicity by N-alkylglycines in rat hippocampal neurons. <i>NeuroMolecular Medicine</i> , <b>2002</b> , 2, 271-80	4.6	9
12	Effect of immobilization on the activity of rat hepatic microsomal cytochrome P450 enzymes. <i>Enzyme and Microbial Technology</i> , <b>1993</b> , 15, 100-4	3.8	9
11	Alu retrotransposons modulate Nanog expression through dynamic changes in regional chromatin conformation via aryl hydrocarbon receptor. <i>Epigenetics and Chromatin</i> , <b>2020</b> , 13, 15	5.8	6
10	Differential scanning calorimetry study of glycogen phosphorylase b-detergent interactions. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1992</b> , 24, 625-34	3.7	6
9	Aryl hydrocarbon receptor controls skin homeostasis, regeneration, and hair follicle cycling by adjusting epidermal stem cell function. <i>Stem Cells</i> , <b>2021</b> , 39, 1733-1750	5.8	3
8	Improving cancer therapeutics by molecular profiling. <i>Current Drug Metabolism</i> , <b>2005</b> , 6, 553-68	3.5	2
7	Targeted disruption of specific cytochromes P450 and xenobiotic receptor genes. <i>Methods in Enzymology</i> , <b>1996</b> , 272, 412-30	1.7	2
6	Loss of Aryl Hydrocarbon Receptor Favors -Driven Non-Small Cell Lung Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
5	RNA-Seq Analysis to Measure the Expression of SINE Retroelements. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1400, 107-16	1.4	1
4	The AHR Regulates Cell Adhesion and Migration by Interacting with Oncogene and Growth Factor-Dependent Signaling <b>2011</b> , 485-497		1
3	Histone H4 acetylation regulates behavioral inter-individual variability in zebrafish		1
2	The aryl hydrocarbon receptor promotes differentiation during mouse preimplantational embryo development. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 2351-2363	8	1
1	Aryl Hydrocarbon Receptor: From Homeostasis to Tumor Progression.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 884004	5.7	1