Bertrand Mollereau

List of Publications by Year in Descending Order

54 papers	9,599 citations	29 h-index	61 g-index
61 ext. papers	11,238 ext. citations	8.3 avg, IF	5.22 L-index

#	Paper	IF	Citations
54	Abnormal accumulation of lipid droplets in neurons induces the conversion of alpha-Synuclein to proteolytic resistant forms in a Drosophila model of Parkinson's disease. *PLoS Genetics*, **2021**, 17, e1009921	6	3
53	Chronic Exposure to Paraquat Induces Alpha-Synuclein Pathogenic Modifications in. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
52	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
51	Spen modulates lipid droplet content in adult Drosophila glial cells and protects against paraquat toxicity. *Scientific Reports*, **2020**, 10, 20023	4.9	7
50	Is WDR45 the missing link for ER stress-induced autophagy in beta-propeller associated neurodegeneration?. *Autophagy*, **2019**, 15, 2163-2164	10.2	7
49	TCTP and CSN4 control cell cycle progression and development by regulating CULLIN1 neddylation in plants and animals. *PLoS Genetics*, **2019**, 15, e1007899	6	11
48	Regulation of Numb during planar cell polarity establishment in the Drosophila eye. *Mechanisms of Development*, **2019**, 160, 103583	1.7	1
47	Drosophila p53 integrates the antagonism between autophagy and apoptosis in response to stress. *Autophagy*, **2019**, 15, 771-784	10.2	21
46	Intersections between Regulated Cell Death and Autophagy. *Trends in Cell Biology*, **2019**, 29, 323-338	18.3	56
45	The lysosomal membrane protein LAMP2A promotes autophagic flux and prevents SNCA-induced Parkinson disease-like symptoms in the Drosophila brain. *Autophagy*, **2018**, 14, 1898-1910	10.2	47
44	DRP-1-mediated apoptosis induces muscle degeneration in dystrophin mutants. *Scientific Reports*, **2018**, 8, 7354	4.9	9
43	Promoting the clearance of neurotoxic proteins in neurodegenerative disorders of ageing. *Nature Reviews Drug Discovery*, **2018**, 17, 660-688	64.1	232
42	Physiological and pathological roles of FATP-mediated lipid droplets in Drosophila and mice retina. *PLoS Genetics*, **2018**, 14, e1007627	6	24
41	p53-dependent programmed necrosis controls germ cell homeostasis during spermatogenesis. *PLoS Genetics*, **2017**, 13, e1007024	6	27
40	Fatty acid transport protein 1 regulates retinoid metabolism and photoreceptor development in mouse retina. *PLoS ONE*, **2017**, 12, e0180148	3.7	5
39	Rb-mediated apoptosis or proliferation: It's up to JNK. *Cell Cycle*, **2016**, 15, 11-2	4.7	9
38	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838

37	Adaptive preconditioning in neurological diseases - therapeutic insights from proteostatic perturbations. *Brain Research*, **2016**, 1648, 603-616	3.7	39
36	Ferritin Assembly in Enterocytes of Drosophila melanogaster. *International Journal of Molecular Sciences*, **2016**, 17, 27	6.3	15
35	Spen is required for pigment cell survival during pupal development in Drosophila. *Developmental Biology*, **2015**, 402, 208-15	3.1	12
34	Cooling-Induced ER Stress is Good for Your Brain. *EBioMedicine*, **2015**, 2, 482-3	8.8	4
33	Fatty acid transport proteins in disease: New insights from invertebrate models. *Progress in Lipid Research*, **2015**, 60, 30-40	14.3	34
32	Expression of dengue virus NS3 protein in Drosophila alters its susceptibility to infection. *Fly*, **2015**, 9, 1-6	1.3	6
31	A DPP-mediated feed-forward loop canalizes morphogenesis during Drosophila dorsal closure. *Journal of Cell Biology*, **2015**, 208, 239-48	7.3	12
30	Disturbance of endoplasmic reticulum proteostasis in neurodegenerative diseases. *Nature Reviews Neuroscience*, **2014**, 15, 233-49	13.5	469
29	Getting the better of ER stress. *Journal of Cell Communication and Signaling*, **2014**, 8, 311-21	5.2	51
28	The p53 control of apoptosis and proliferation: lessons from Drosophila. *Apoptosis: an International Journal on Programmed Cell Death*, **2014**, 19, 1421-9	5.4	46
27	Compensatory proliferation and apoptosis-induced proliferation: a need for clarification. *Cell Death and Differentiation*, **2013**, 20, 181	12.7	77
26	Biophysical and genetic analysis of iron partitioning and ferritin function in Drosophila melanogaster. *Metallomics*, **2013**, 5, 997-1005	4.5	35
25	Absolute requirement of cholesterol binding for Hedgehog gradient formation in Drosophila. *Biology Open*, **2013**, 2, 596-604	2.2	7
24	Drosophila p53 isoforms differentially regulate apoptosis and apoptosis-induced proliferation. *Cell Death and Differentiation*, **2013**, 20, 108-16	12.7	37
23	Establishing links between endoplasmic reticulum-mediated hormesis and cancer. *Molecular and Cellular Biology*, **2013**, 33, 2372-4	4.8	13
22	The Tomato/GFP-FLP/FRT method for live imaging of mosaic adult Drosophila photoreceptor cells. *Journal of Visualized Experiments*, **2013**, e50610	1.6	9
21	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
20	Drosophila fatty acid transport protein regulates rhodopsin-1 metabolism and is required for photoreceptor neuron survival. *PLoS Genetics*, **2012**, 8, e1002833	6	34

19	ER stress inhibits neuronal death by promoting autophagy. *Autophagy*, **2012**, 8, 915-26	10.2	162
18	Two-color in vivo imaging of photoreceptor apoptosis and development in Drosophila. *Developmental Biology*, **2011**, 351, 128-34	3.1	30
17	Biological functions of p53 isoforms through evolution: lessons from animal and cellular models. *Cell Death and Differentiation*, **2011**, 18, 1815-24	12.7	146
16	Translationally controlled tumor protein is a conserved mitotic growth integrator in animals and plants. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 16384-9	11.5	119
15	Wolbachia interferes with ferritin expression and iron metabolism in insects. *PLoS Pathogens*, **2009**, 5, e1000630	7.6	129
14	ER stress protects from retinal degeneration. *EMBO Journal*, **2009**, 28, 1296-307	13	79
13	Cytochrome c-d regulates developmental apoptosis in the Drosophila retina. *EMBO Reports*, **2006**, 7, 933-9	6.5	67
12	Photoreceptor differentiation in Drosophila: from immature neurons to functional photoreceptors. *Developmental Dynamics*, **2005**, 232, 585-92	2.9	33
11	Spalt transcription factors are required for R3/R4 specification and establishment of planar cell polarity in the Drosophila eye. *Development (Cambridge)*, **2004**, 131, 5695-702	6.6	38
10	Regulation of R7 and R8 differentiation by the spalt genes. *Developmental Biology*, **2004**, 273, 121-33	3.1	61
9	Two-step process for photoreceptor formation in Drosophila. *Nature*, **2001**, 412, 911-3	50.4	106
8	A green fluorescent protein enhancer trap screen in Drosophila photoreceptor cells. *Mechanisms of Development*, **2000**, 93, 151-60	1.7	58
7	Growth hormone prevents human monocytic cells from Fas-mediated apoptosis by up-regulating Bcl-2 expression. *European Journal of Immunology*, **1999**, 29, 334-44	6.1	44
6	Effects of anti-CD2 monoclonal antibody: CD2- and CD95-mediated apoptosis of human peripheral T cells. *Transplantation Proceedings*, **1999**, 31, 1245	1.1	3
5	Munster, a novel paired-class homeobox gene specifically expressed in the Drosophila larval eye. *Mechanisms of Development*, **1999**, 88, 107-10	1.7	11
4	Thiol-mediated inhibition of FAS and CD2 apoptotic signaling in activated human peripheral T cells. *International Immunology*, **1997**, 9, 117-25	4.9	61
3	CD2 induced apoptosis of peripheral T cells. *Transplantation Proceedings*, **1997**, 29, 2377-8	1.1	2
2	ER stress inhibits neuronal death by promoting autophagy		1

List of Publications

1 A non-canonical lipid droplet metabolism regulates the conversion of alpha-Synuclein to proteolytic resistant forms in neurons of a Drosophila model of Parkinson disease 2