Gregory Fairn

List of Publications by Year in Descending Order

52 papers	2,452 citations	30 h-index	49 g-index
57 ext. papers	3,063 ext. citations	9.5 avg, IF	5.42 L-index

#	Paper	IF	Citations
52	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. *Science*, **2019**, 366, 460-467	33.3	45
51	Phagolysosome resolution requires contacts with the endoplasmic reticulum and phosphatidylinositol-4-phosphate signalling. *Nature Cell Biology*, **2019**, 21, 1234-1247	23.4	38
50	Akt-ing Up Just About Everywhere: Compartment-Specific Akt Activation and Function in Receptor Tyrosine Kinase Signaling. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 70	5.7	37
49	Integrity under stress: Host membrane remodelling and damage by fungal pathogens. *Cellular Microbiology*, **2019**, 21, e13016	3.9	18
48	Enforced expression of phosphatidylinositol 4-phosphate 5-kinase homolog alters PtdIns(4,5)P distribution and the localization of small G-proteins. *Scientific Reports*, **2019**, 9, 14789	4.9	1
47	Distribution, dynamics and functional roles of phosphatidylserine within the cell. *Cell Communication and Signaling*, **2019**, 17, 126	7.5	44
46	Mesoscale organization of domains in the plasma membrane - beyond the lipid raft. *Critical Reviews in Biochemistry and Molecular Biology*, **2018**, 53, 192-207	8.7	33
45	PI(4,5)P controls plasma membrane PI4P and PS levels via ORP5/8 recruitment to ER-PM contact sites. *Journal of Cell Biology*, **2018**, 217, 1797-1813	7.3	100
44	7-Ketocholesterol impairs phagocytosis and efferocytosis via dysregulation of phosphatidylinositol 4,5-bisphosphate. *Traffic*, **2018**, 19, 591-604	5.7	4
43	Should basic science matter to clinicians?. *Lancet, The*, **2018**, 391, 410-412	40	6
42	Phospholipid subcellular localization and dynamics. *Journal of Biological Chemistry*, **2018**, 293, 6230-6240	5.4	96
41	Both the PH domain and N-terminal region of oxysterol-binding protein related protein 8S are required for localization to PM-ER contact sites. *Biochemical and Biophysical Research Communications*, **2018**, 496, 1088-1094	3.4	12
40	PPAR-delta modulates membrane cholesterol and cytokine signaling in malignant B cells. *Leukemia*, **2018**, 32, 184-193	10.7	13
39	Transcellular vesicular transport in epithelial and endothelial cells: Challenges and opportunities. *Traffic*, **2018**, 19, 5-18	5.7	82
38	Salmonella exploits host Rho GTPase signalling pathways through the phosphatase activity of SopB. *Cellular Microbiology*, **2018**, 20, e12938	3.9	11
37	Induction of spontaneous curvature and endocytosis: Unwanted consequences of cholesterol extraction using methyl-Cyclodextrin. *Communicative and Integrative Biology*, **2018**, 11, 1-4	1.7	9
36	An ATG16L1-dependent pathway promotes plasma membrane repair and limits Listeria monocytogenes cell-to-cell spread. *Nature Microbiology*, **2018**, 3, 1472-1485	26.6	40

35	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. *Journal of Cell Biology*, **2017**, 216, 367-377	7.3	142
34	Phosphatidylinositol transfer protein-□n platelets is inconsequential for thrombosis yet is utilized for tumor metastasis. *Nature Communications*, **2017**, 8, 1216	17.4	15
33	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. *Journal of Biological Chemistry*, **2017**, 292, 14292-14307	5.4	45
32	Membrane curvature induced by proximity of anionic phospholipids can initiate endocytosis. *Nature Communications*, **2017**, 8, 1393	17.4	59
31	Quantitative Live-Cell Fluorescence Microscopy During Phagocytosis. *Methods in Molecular Biology*, **2017**, 1519, 79-91	1.4	8
30	SR-BI Mediated Transcytosis of HDL in Brain Microvascular Endothelial Cells Is Independent of Caveolin, Clathrin, and PDZK1. *Frontiers in Physiology*, **2017**, 8, 841	4.6	61
29	Inhibition of Acid Sphingomyelinase Depletes Cellular Phosphatidylserine and Mislocalizes K-Ras from the Plasma Membrane. *Molecular and Cellular Biology*, **2016**, 36, 363-74	4.8	57
28	CD44 Antibody Inhibition of Macrophage Phagocytosis Targets Fc□Receptor- and Complement Receptor 3-Dependent Mechanisms. *Journal of Immunology*, **2016**, 196, 3331-40	5.3	21
27	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. *FASEB Journal*, **2016**, 30, 515-8	0.9	9
26	Perfringolysin O Theta Toxin as a Tool to Monitor the Distribution and Inhomogeneity of Cholesterol in Cellular Membranes. *Toxins*, **2016**, 8,	4.9	31
25	Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. *MBio*, **2016**, 7, e02242	7.8	38
24	Cresyl violet: a superior fluorescent lysosomal marker. *Traffic*, **2016**, 17, 1313-1321	5.7	29
23	Complementary probes reveal that phosphatidylserine is required for the proper transbilayer distribution of cholesterol. *Journal of Cell Science*, **2015**, 128, 1422-33	5.3	133
22	Molecular probes to visualize the location, organization and dynamics of lipids. *Journal of Cell Science*, **2014**, 127, 4801-12	5.3	64
21	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation.. *Journal of Biological Chemistry*, **2014**, 289, 4813	5.4	78
20	Bem3, a Cdc42 GTPase-activating protein, traffics to an intracellular compartment and recruits the secretory Rab GTPase Sec4 to endomembranes. *Journal of Cell Science*, **2013**, 126, 4560-71	5.3	15
19	Bruton's Tyrosine Kinase (BTK) and Vav1 contribute to Dectin1-dependent phagocytosis of Candida albicans in macrophages. *PLoS Pathogens*, **2013**, 9, e1003446	7.6	64
18	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation. *Journal of Biological Chemistry*, **2013**, 288, 23090-104	5.4	31

17	Localization of lipid raft proteins to the plasma membrane is a major function of the phospholipid transfer protein Sec14. *PLoS ONE*, **2013**, 8, e55388	3.7	11
16	The yeast oxysterol binding protein Kes1 maintains sphingolipid levels. *PLoS ONE*, **2013**, 8, e60485	3.7	11
15	Cleavage furrow organization requires PIP(2)-mediated recruitment of anillin. *Current Biology*, **2012**, 22, 64-9	6.3	80
14	Cell biology. Precursor or charge supplier?. *Science*, **2012**, 337, 653-4	33.3	12
13	A weak base-generating system suitable for selective manipulation of lysosomal pH. *Traffic*, **2011**, 12, 1490-500	5.7	10
12	Phosphatidylserine is polarized and required for proper Cdc42 localization and for development of cell polarity. *Nature Cell Biology*, **2011**, 13, 1424-30	23.4	137
11	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. *Journal of Cell Biology*, **2011**, 194, 257-75	7.3	214
10	Phospholipid transfer protein Sec14 is required for trafficking from endosomes and regulates distinct trans-Golgi export pathways. *Journal of Biological Chemistry*, **2009**, 284, 7364-75	5.4	52
9	An electrostatic switch displaces phosphatidylinositol phosphate kinases from the membrane during phagocytosis. *Journal of Cell Biology*, **2009**, 187, 701-14	7.3	71
8	Contribution of phosphatidylserine to membrane surface charge and protein targeting during phagosome maturation. *Journal of Cell Biology*, **2009**, 185, 917-28	7.3	102
7	Emerging roles of the oxysterol-binding protein family in metabolism, transport, and signaling. *Cellular and Molecular Life Sciences*, **2008**, 65, 228-36	10.3	57
6	Cell biology. A one-sided signal. *Science*, **2008**, 320, 458-60	33.3	13
5	A chemogenomic screen in Saccharomyces cerevisiae uncovers a primary role for the mitochondria in farnesol toxicity and its regulation by the Pkc1 pathway. *Journal of Biological Chemistry*, **2007**, 282, 4868-4874	5.4	51
4	Regulation of phosphoinositide levels by the phospholipid transfer protein Sec14p controls Cdc42p/p21-activated kinase-mediated cell cycle progression at cytokinesis. *Eukaryotic Cell*, **2007**, 6, 1814-23		8
3	The oxysterol binding protein Kes1p regulates Golgi apparatus phosphatidylinositol-4-phosphate function. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 15352-7	11.5	89
2	Membrane metabolism mediated by Sec14 family members influences Arf GTPase activating protein activity for transport from the trans-Golgi. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 12777-82	11.5	22
1	The roles of the human lipid-binding proteins ORP9S and ORP10S in vesicular transport. *Biochemistry and Cell Biology*, **2005**, 83, 631-6	3.6	20