# Stephen E Girardin

## List of Publications by Citations



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|---|---|---|---|
| 155 papers | 23,437 citations | 67 h-index | 153 g-index |
| 160 ext. papers | 26,415 ext. citations | 11.2 avg, IF | 6.47 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 155 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222 | 10.2 | 3838 |
| 154 | Nod2 is a general sensor of peptidoglycan through muramyl dipeptide (MDP) detection. *Journal of Biological Chemistry*, **2003**, 278, 8869-72 | 5.4 | 1730 |
| 153 | Nod1 detects a unique muropeptide from gram-negative bacterial peptidoglycan. *Science*, **2003**, 300, 1584-7 | 33.3 | 1229 |
| 152 | Nod1 responds to peptidoglycan delivered by the Helicobacter pylori cag pathogenicity island. *Nature Immunology*, **2004**, 5, 1166-74 | 19.1 | 982 |
| 151 | Nod1 and Nod2 direct autophagy by recruiting ATG16L1 to the plasma membrane at the site of bacterial entry. *Nature Immunology*, **2010**, 11, 55-62 | 19.1 | 968 |
| 150 | Nod-like proteins in immunity, inflammation and disease. *Nature Immunology*, **2006**, 7, 1250-7 | 19.1 | 692 |
| 149 | The NLR gene family: a standard nomenclature. *Immunity*, **2008**, 28, 285-7 | 32.3 | 618 |
| 148 | CARD4/Nod1 mediates NF-kappaB and JNK activation by invasive Shigella flexneri. *EMBO Reports*, **2001**, 2, 736-42 | 6.5 | 502 |
| 147 | Peptidoglycan molecular requirements allowing detection by Nod1 and Nod2. *Journal of Biological Chemistry*, **2003**, 278, 41702-8 | 5.4 | 498 |
| 146 | WIPI2 links LC3 conjugation with PI3P, autophagosome formation, and pathogen clearance by recruiting Atg12-5-16L1. *Molecular Cell*, **2014**, 55, 238-52 | 17.6 | 477 |
| 145 | Caspase-1 activation of lipid metabolic pathways in response to bacterial pore-forming toxins promotes cell survival. *Cell*, **2006**, 126, 1135-45 | 56.2 | 419 |
| 144 | NOD proteins: regulators of inflammation in health and disease. *Nature Reviews Immunology*, **2014**, 14, 9-23 | 36.5 | 408 |
| 143 | Toll-like receptor 2-dependent bacterial sensing does not occur via peptidoglycan recognition. *EMBO Reports*, **2004**, 5, 1000-6 | 6.5 | 390 |
| 142 | A critical role for peptidoglycan N-deacetylation in Listeria evasion from the host innate immune system. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 997-1002 | 11.5 | 291 |
| 141 | Bacterial membrane vesicles deliver peptidoglycan to NOD1 in epithelial cells. *Cellular Microbiology* , **2010**, 12, 372-85 | 3.9 | 287 |
| 140 | Gut microbial metabolism drives transformation of MSH2-deficient colon epithelial cells. *Cell*, **2014**, 158, 288-299 | 56.2 | 283 |
| 139 | Synergistic stimulation of human monocytes and dendritic cells by Toll-like receptor 4 and NOD1- and NOD2-activating agonists. *European Journal of Immunology*, **2005**, 35, 2459-70 | 6.1 | 276 |

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|---|---|---|---|
| 138 | Nods, Nalps and Naip: intracellular regulators of bacterial-induced inflammation. *Cellular Microbiology*, **2003**, 5, 581-92 | 3.9 | 274 |
| 137 | Amino acid starvation induced by invasive bacterial pathogens triggers an innate host defense program. *Cell Host and Microbe*, **2012**, 11, 563-75 | 23.4 | 272 |
| 136 | Gene-environment interaction modulated by allelic heterogeneity in inflammatory diseases. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 3455-60 | 11.5 | 263 |
| 135 | Nod1-mediated innate immune recognition of peptidoglycan contributes to the onset of adaptive immunity. *Immunity*, **2007**, 26, 445-59 | 32.3 | 258 |
| 134 | IL-32 synergizes with nucleotide oligomerization domain (NOD) 1 and NOD2 ligands for IL-1beta and IL-6 production through a caspase 1-dependent mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16309-14 | 11.5 | 249 |
| 133 | NLRX1 is a mitochondrial NOD-like receptor that amplifies NF-kappaB and JNK pathways by inducing reactive oxygen species production. *EMBO Reports*, **2008**, 9, 293-300 | 6.5 | 247 |
| 132 | Anti-inflammatory effect of Lactobacillus casei on Shigella-infected human intestinal epithelial cells. *Journal of Immunology*, **2006**, 176, 1228-37 | 5.3 | 247 |
| 131 | Nucleotide-binding oligomerization domain-2 modulates specific TLR pathways for the induction of cytokine release. *Journal of Immunology*, **2005**, 174, 6518-23 | 5.3 | 230 |
| 130 | The multifaceted role of the intestinal microbiota in colon cancer. *Molecular Cell*, **2014**, 54, 309-20 | 17.6 | 215 |
| 129 | The role of Toll-like receptors and Nod proteins in bacterial infection. *Molecular Immunology*, **2004**, 41, 1099-108 | 4.3 | 213 |
| 128 | Identification of an innate T helper type 17 response to intestinal bacterial pathogens. *Nature Medicine*, **2011**, 17, 837-44 | 50.5 | 200 |
| 127 | Regulation of obesity-related insulin resistance with gut anti-inflammatory agents. *Cell Metabolism*, **2015**, 21, 527-42 | 24.6 | 197 |
| 126 | ParkinsonS disease-linked LRRK2 is expressed in circulating and tissue immune cells and upregulated following recognition of microbial structures. *Journal of Neural Transmission*, **2011**, 118, 795-808 | 4.3 | 186 |
| 125 | Mitochondria in innate immunity. *EMBO Reports*, **2011**, 12, 901-10 | 6.5 | 183 |
| 124 | NLRC5 limits the activation of inflammatory pathways. *Journal of Immunology*, **2010**, 185, 1681-91 | 5.3 | 168 |
| 123 | Mitochondrial ROS fuel the inflammasome. *Cell Research*, **2011**, 21, 558-60 | 24.7 | 165 |
| 122 | Intracellular vs extracellular recognition of pathogens--common concepts in mammals and flies. *Trends in Microbiology*, **2002**, 10, 193-9 | 12.4 | 160 |
| 121 | pH-dependent internalization of muramyl peptides from early endosomes enables Nod1 and Nod2 signaling. *Journal of Biological Chemistry*, **2009**, 284, 23818-29 | 5.4 | 148 |

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|---|---|---|---|
| 120 | Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2. *Gut*, **2011**, 60, 1229-35 | 19.2 | 146 |
| 119 | Unleashing the therapeutic potential of NOD-like receptors. *Nature Reviews Drug Discovery*, **2009**, 8, 465-79 | 64.1 | 146 |
| 118 | Nod2-dependent Th2 polarization of antigen-specific immunity. *Journal of Immunology*, **2008**, 181, 7925-35 | 5.5 | 145 |
| 117 | An N-terminal addressing sequence targets NLRX1 to the mitochondrial matrix. *Journal of Cell Science*, **2009**, 122, 3161-8 | 5.3 | 136 |
| 116 | Murine Nod1 but not its human orthologue mediates innate immune detection of tracheal cytotoxin. *EMBO Reports*, **2005**, 6, 1201-7 | 6.5 | 133 |
| 115 | The protein ATG16L1 suppresses inflammatory cytokines induced by the intracellular sensors Nod1 and Nod2 in an autophagy-independent manner. *Immunity*, **2013**, 39, 858-73 | 32.3 | 125 |
| 114 | The intestinal epithelial barrier: how to distinguish between the microbial flora and pathogens. *Seminars in Immunology*, **2007**, 19, 106-15 | 10.7 | 125 |
| 113 | Shigella induces mitochondrial dysfunction and cell death in nonmyleoid cells. *Cell Host and Microbe* , **2009**, 5, 123-36 | 23.4 | 123 |
| 112 | Innate immune responses of epithelial cells following infection with bacterial pathogens. *Current Opinion in Immunology*, **2001**, 13, 410-6 | 7.8 | 122 |
| 111 | Nod1 participates in the innate immune response to Pseudomonas aeruginosa. *Journal of Biological Chemistry*, **2005**, 280, 36714-8 | 5.4 | 119 |
| 110 | The microbial and danger signals that activate Nod-like receptors. *Cytokine*, **2008**, 43, 368-73 | 4 | 118 |
| 109 | Nod1 and Nod2 signaling does not alter the composition of intestinal bacterial communities at homeostasis. *Gut Microbes*, **2013**, 4, 222-31 | 8.8 | 108 |
| 108 | Enhancement of reactive oxygen species production and chlamydial infection by the mitochondrial Nod-like family member NLRX1. *Journal of Biological Chemistry*, **2010**, 285, 41637-45 | 5.4 | 108 |
| 107 | Mini-review: the role of peptidoglycan recognition in innate immunity. *European Journal of Immunology*, **2004**, 34, 1777-82 | 6.1 | 102 |
| 106 | Listeria phospholipases subvert host autophagic defenses by stalling pre-autophagosomal structures. *EMBO Journal*, **2013**, 32, 3066-78 | 13 | 100 |
| 105 | Mycobacterium paratuberculosis is recognized by Toll-like receptors and NOD2. *Journal of Leukocyte Biology*, **2007**, 82, 1011-8 | 6.5 | 100 |
| 104 | Nod1 and Nod2 regulation of inflammation in the Salmonella colitis model. *Infection and Immunity*, **2010**, 78, 5107-15 | 3.7 | 98 |
| 103 | Triggering receptor expressed on myeloid cells-1 (TREM-1) amplifies the signals induced by the NACHT-LRR (NLR) pattern recognition receptors. *Journal of Leukocyte Biology*, **2006**, 80, 1454-61 | 6.5 | 97 |

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| 102 | Listeria hijacks host mitophagy through a novel mitophagy receptor to evade killing. *Nature Immunology*, **2019**, 20, 433-446 | 19.1 | 93 |
| 101 | Identification of the critical residues involved in peptidoglycan detection by Nod1. *Journal of Biological Chemistry*, **2005**, 280, 38648-56 | 5.4 | 91 |
| 100 | Role of AmiA in the morphological transition of Helicobacter pylori and in immune escape. *PLoS Pathogens*, **2006**, 2, e97 | 7.6 | 89 |
| 99 | Essential role of Rip2 in the modulation of innate and adaptive immunity triggered by Nod1 and Nod2 ligands. *European Journal of Immunology*, **2011**, 41, 1445-55 | 6.1 | 83 |
| 98 | Comparison of Co-housing and Littermate Methods for Microbiota Standardization in Mouse Models. *Cell Reports*, **2019**, 27, 1910-1919.e2 | 10.6 | 80 |
| 97 | The role of mitochondria in cellular defense against microbial infection. *Seminars in Immunology*, **2009**, 21, 223-32 | 10.7 | 80 |
| 96 | Peptidoglycan-modifying enzyme Pgp1 is required for helical cell shape and pathogenicity traits in Campylobacter jejuni. *PLoS Pathogens*, **2012**, 8, e1002602 | 7.6 | 78 |
| 95 | NLRX1 prevents mitochondrial induced apoptosis and enhances macrophage antiviral immunity by interacting with influenza virus PB1-F2 protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E2110-9 | 11.5 | 70 |
| 94 | hPepT1 selectively transports muramyl dipeptide but not Nod1-activating muramyl peptides. *Canadian Journal of Physiology and Pharmacology*, **2006**, 84, 1313-9 | 2.4 | 69 |
| 93 | Shiga Toxin/Lipopolysaccharide Activates Caspase-4 and Gasdermin D to Trigger Mitochondrial Reactive Oxygen Species Upstream of the NLRP3 Inflammasome. *Cell Reports*, **2018**, 25, 1525-1536.e7 | 10.6 | 69 |
| 92 | Nod1 and Nod2 induce CCL5/RANTES through the NF-kappaB pathway. *European Journal of Immunology*, **2007**, 37, 2499-508 | 6.1 | 68 |
| 91 | What is new with Nods?. *Current Opinion in Immunology*, **2011**, 23, 29-34 | 7.8 | 67 |
| 90 | Nucleotide oligomerization domain-containing proteins instruct T cell helper type 2 immunity through stromal activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14896-901 | 11.5 | 67 |
| 89 | The frameshift mutation in Nod2 results in unresponsiveness not only to Nod2- but also Nod1-activating peptidoglycan agonists. *Journal of Biological Chemistry*, **2005**, 280, 35859-67 | 5.4 | 67 |
| 88 | Engagement of NOD2 has a dual effect on proIL-1beta mRNA transcription and secretion of bioactive IL-1beta. *European Journal of Immunology*, **2008**, 38, 184-91 | 6.1 | 65 |
| 87 | NOD1 and NOD2 in inflammation, immunity and disease. *Archives of Biochemistry and Biophysics*, **2019**, 670, 69-81 | 4.1 | 65 |
| 86 | Nod-like receptors: sentinels at host membranes. *Current Opinion in Immunology*, **2010**, 22, 428-34 | 7.8 | 64 |
| 85 | An endogenous nanomineral chaperones luminal antigen and peptidoglycan to intestinal immune cells. *Nature Nanotechnology*, **2015**, 10, 361-9 | 28.7 | 62 |

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| 84 | Nod-like receptors in the control of intestinal inflammation. *Current Opinion in Immunology*, **2012**, 24, 398-404 | 7.8 | 61 |
| 83 | NLRX1 dampens oxidative stress and apoptosis in tissue injury via control of mitochondrial activity. *Journal of Experimental Medicine*, **2017**, 214, 2405-2420 | 16.6 | 58 |
| 82 | The NLR Protein NLRP6 Does Not Impact Gut Microbiota Composition. *Cell Reports*, **2017**, 21, 3653-3661 | 10.6 | 58 |
| 81 | Peptidoglycan LD-carboxypeptidase Pgp2 influences Campylobacter jejuni helical cell shape and pathogenic properties and provides the substrate for the DL-carboxypeptidase Pgp1. *Journal of Biological Chemistry*, **2014**, 289, 8007-18 | 5.4 | 58 |
| 80 | Downregulation of the Na/K-ATPase pump by leptospiral glycolipoprotein activates the NLRP3 inflammasome. *Journal of Immunology*, **2012**, 188, 2805-14 | 5.3 | 57 |
| 79 | NLRX1 does not inhibit MAVS-dependent antiviral signalling. *Innate Immunity*, **2013**, 19, 438-48 | 2.7 | 57 |
| 78 | Emerging themes in bacterial autophagy. *Current Opinion in Microbiology*, **2015**, 23, 163-70 | 7.9 | 56 |
| 77 | Cyclic-di-GMP and cyclic-di-AMP activate the NLRP3 inflammasome. *EMBO Reports*, **2013**, 14, 900-6 | 6.5 | 55 |
| 76 | Complement C3 Drives Autophagy-Dependent Restriction of Cyto-invasive Bacteria. *Cell Host and Microbe*, **2018**, 23, 644-652.e5 | 23.4 | 52 |
| 75 | Cellular Aspects of Shigella Pathogenesis: Focus on the Manipulation of Host Cell Processes. *Frontiers in Cellular and Infection Microbiology*, **2016**, 6, 38 | 5.9 | 52 |
| 74 | Differential function of the NACHT-LRR (NLR) members Nod1 and Nod2 in arthritis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 9017-22 | 11.5 | 50 |
| 73 | Nod-like receptors in innate immunity and inflammatory diseases. *Annals of Medicine*, **2007**, 39, 581-93 | 1.5 | 50 |
| 72 | The heme-regulated inhibitor is a cytosolic sensor of protein misfolding that controls innate immune signaling. *Science*, **2019**, 365, | 33.3 | 48 |
| 71 | The mitochondrial protein NLRX1 controls the balance between extrinsic and intrinsic apoptosis. *Journal of Biological Chemistry*, **2014**, 289, 19317-30 | 5.4 | 48 |
| 70 | Nod proteins link bacterial sensing and autophagy. *Autophagy*, **2010**, 6, 409-11 | 10.2 | 48 |
| 69 | The bacterial and cellular determinants controlling the recruitment of mTOR to the Salmonella-containing vacuole. *Biology Open*, **2012**, 1, 1215-25 | 2.2 | 48 |
| 68 | Translation inhibition and metabolic stress pathways in the host response to bacterial pathogens. *Nature Reviews Microbiology*, **2013**, 11, 365-9 | 22.2 | 47 |
| 67 | Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. *Cell Reports*, **2017**, 18, 2415-2426 | 10.6 | 46 |

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|---|---|---|---|
| 66 | The common mouse protozoa Tritrichomonas muris alters mucosal T cell homeostasis and colitis susceptibility. *Journal of Experimental Medicine*, **2016**, 213, 2841-2850 | 16.6 | 46 |
| 65 | Nucleotide oligomerization domains 1 and 2: regulation of expression and function in preadipocytes. *Journal of Immunology*, **2008**, 181, 3620-7 | 5.3 | 46 |
| 64 | Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. *Science*, **2019**, 366, 460-467 | 33.3 | 45 |
| 63 | Role of Nod1 in mucosal dendritic cells during Salmonella pathogenicity island 1-independent Salmonella enterica serovar Typhimurium infection. *Infection and Immunity*, **2009**, 77, 4480-6 | 3.7 | 44 |
| 62 | Nod-like receptors in intestinal homeostasis, inflammation, and cancer. *Journal of Leukocyte Biology* , **2011**, 90, 471-82 | 6.5 | 44 |
| 61 | Mitophagy pathways in health and disease. *Journal of Cell Biology*, **2020**, 219, | 7.3 | 44 |
| 60 | Nutrient sensing and metabolic stress pathways in innate immunity. *Cellular Microbiology*, **2013**, 15, 1632-41 | 5.4 | 38 |
| 59 | Cyclosporine A impairs nucleotide binding oligomerization domain (Nod1)-mediated innate antibacterial renal defenses in mice and human transplant recipients. *PLoS Pathogens*, **2013**, 9, e1003152 | 7.6 | 38 |
| 58 | NOD2: a potential target for regulating liver injury. *Laboratory Investigation*, **2008**, 88, 318-27 | 5.9 | 38 |
| 57 | Innate Recognition of Intracellular Bacterial Growth Is Driven by the TIFA-Dependent Cytosolic Surveillance Pathway. *Cell Reports*, **2017**, 19, 1418-1430 | 10.6 | 36 |
| 56 | Bacterial autophagy: the trigger, the target and the timing. *Autophagy*, **2012**, 8, 1848-50 | 10.2 | 33 |
| 55 | NLRX1 Acts as an Epithelial-Intrinsic Tumor Suppressor through the Modulation of TNF-Mediated Proliferation. *Cell Reports*, **2016**, 14, 2576-86 | 10.6 | 31 |
| 54 | Identification of a synthetic muramyl peptide derivative with enhanced Nod2 stimulatory capacity. *Innate Immunity*, **2013**, 19, 493-503 | 2.7 | 29 |
| 53 | Nod1 and Nod2 enhance TLR-mediated invariant NKT cell activation during bacterial infection. *Journal of Immunology*, **2013**, 191, 5646-54 | 5.3 | 28 |
| 52 | Nucleotide oligomerization domain 2 (Nod2) is not involved in the pattern recognition of Candida albicans. *Vaccine Journal*, **2006**, 13, 423-5 | | 28 |
| 51 | Listeria monocytogenes and Shigella flexneri Activate the NLRP1B Inflammasome. *Infection and Immunity*, **2017**, 85, | 3.7 | 26 |
| 50 | Modeling the Regulatory Mechanisms by Which NLRX1 Modulates Innate Immune Responses to Helicobacter pylori Infection. *PLoS ONE*, **2015**, 10, e0137839 | 3.7 | 25 |
| 49 | Post-transcriptional inhibition of luciferase reporter assays by the Nod-like receptor proteins NLRX1 and NLRC3. *Journal of Biological Chemistry*, **2012**, 287, 28705-16 | 5.4 | 25 |

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| 48 | Nod-like receptors in intestinal host defense: controlling pathogens, the microbiota, or both?. *Current Opinion in Gastroenterology*, **2013**, 29, 15-22 | 3 | 23 |
| 47 | Role of mouse peptidoglycan recognition protein PGLYRP2 in the innate immune response to Salmonella enterica serovar Typhimurium infection in vivo. *Infection and Immunity*, **2012**, 80, 2645-54 | 3.7 | 23 |
| 46 | Trace levels of peptidoglycan in serum underlie the NOD-dependent cytokine response to endoplasmic reticulum stress. *Journal of Biological Chemistry*, **2019**, 294, 9007-9015 | 5.4 | 22 |
| 45 | Canonical and noncanonical inflammasomes in intestinal epithelial cells. *Cellular Microbiology*, **2019**, 21, e13079 | 3.9 | 22 |
| 44 | The emerging role of mTOR signalling in antibacterial immunity. *Immunology and Cell Biology*, **2014**, 92, 346-53 | 5 | 22 |
| 43 | Innate Immune Influences on the Gut Microbiome: Lessons from Mouse Models. *Trends in Immunology*, **2018**, 39, 992-1004 | 14.4 | 22 |
| 42 | Penicillin resistance compromises Nod1-dependent proinflammatory activity and virulence fitness of neisseria meningitidis. *Cell Host and Microbe*, **2013**, 13, 735-45 | 23.4 | 20 |
| 41 | Intracellular Bacterial Pathogens Trigger the Formation of U Small Nuclear RNA Bodies (U Bodies) through Metabolic Stress Induction. *Journal of Biological Chemistry*, **2015**, 290, 20904-20918 | 5.4 | 20 |
| 40 | ER-stress mobilization of death-associated protein kinase-1-dependent xenophagy counteracts mitochondria stress-induced epithelial barrier dysfunction. *Journal of Biological Chemistry*, **2018**, 293, 3073-3087 | 5.4 | 19 |
| 39 | Oncolytic targeting of renal cell carcinoma via encephalomyocarditis virus. *EMBO Molecular Medicine*, **2010**, 2, 275-88 | 12 | 19 |
| 38 | Nod1 promotes colorectal carcinogenesis by regulating the immunosuppressive functions of tumor-infiltrating myeloid cells. *Cell Reports*, **2021**, 34, 108677 | 10.6 | 18 |
| 37 | The Campylobacter jejuni helical to coccoid transition involves changes to peptidoglycan and the ability to elicit an immune response. *Molecular Microbiology*, **2019**, 112, 280-301 | 4.1 | 17 |
| 36 | The Impact of the Gut Microbiome on Colorectal Cancer. *Annual Review of Cancer Biology*, **2018**, 2, 229-249 | 3.3 | 17 |
| 35 | Modeling-Enabled Characterization of Novel NLRX1 Ligands. *PLoS ONE*, **2015**, 10, e0145420 | 3.7 | 16 |
| 34 | Synthesis and biological evaluation of biotinyl hydrazone derivatives of muramyl peptides. *Chemical Biology and Drug Design*, **2012**, 79, 2-8 | 2.9 | 16 |
| 33 | Sensing microbes by diverse hosts. Workshop on pattern recognition proteins and receptors. *EMBO Reports*, **2003**, 4, 932-6 | 6.5 | 16 |
| 32 | The mitochondrial Nod-like receptor NLRX1 modifies apoptosis through SARM1. *Molecular and Cellular Biochemistry*, **2019**, 453, 187-196 | 4.2 | 16 |
| 31 | The eIF2kinase HRI in innate immunity, proteostasis, and mitochondrial stress. *FEBS Journal*, **2021**, 288, 3094-3107 | 5.7 | 15 |

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|---|---|---|---|
| 30 | Deletion of NLRX1 increases fatty acid metabolism and prevents diet-induced hepatic steatosis and metabolic syndrome. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 1883-1895 | 6.9 | 14 |
| 29 | The LIM homeobox protein mLIM3/Lhx3 induces expression of the prolactin gene by a Pit-1/GHF-1-independent pathway in corticotroph AtT20 cells. *FEBS Letters*, **1998**, 431, 333-8 | 3.8 | 14 |
| 28 | Phenotyping of Nod1/2 double deficient mice and characterization of Nod1/2 in systemic inflammation and associated renal disease. *Biology Open*, **2012**, 1, 1239-47 | 2.2 | 13 |
| 27 | Isoginkgetin, a Natural Biflavonoid Proteasome Inhibitor, Sensitizes Cancer Cells to Apoptosis via Disruption of Lysosomal Homeostasis and Impaired Protein Clearance. *Molecular and Cellular Biology*, **2019**, 39, | 4.8 | 12 |
| 26 | Interleukin-1 signaling induced by Streptococcus suis serotype 2 is strain-dependent and contributes to bacterial clearance and inflammation during systemic disease in a mouse model of infection. *Veterinary Research*, **2019**, 50, 52 | 3.8 | 12 |
| 25 | How autophagy controls the intestinal epithelial barrier. *Autophagy*, **2021**, 1-18 | 10.2 | 10 |
| 24 | Male Mice Lacking NLRX1 Are Partially Protected From High-Fat Diet-Induced Hyperglycemia. *Journal of the Endocrine Society*, **2018**, 2, 336-347 | 0.4 | 9 |
| 23 | T cell intrinsic NOD2 is dispensable for CD8 T cell immunity. *PLoS ONE*, **2013**, 8, e56014 | 3.7 | 9 |
| 22 | The eIF2α kinase HRI triggers the autophagic clearance of cytosolic protein aggregates. *Journal of Biological Chemistry*, **2021**, 296, 100050 | 5.4 | 9 |
| 21 | Hypothesis-free analysis of ATG16L1 demonstrates gene-wide extent of association with Crohn's disease susceptibility. *Gut*, **2013**, 62, 331-3 | 19.2 | 8 |
| 20 | Intracellular bacteriolysis triggers a massive apoptotic cell death in Shigella-infected epithelial cells. *Microbes and Infection*, **2008**, 10, 1114-23 | 9.3 | 8 |
| 19 | PGRP-LB minds the fort. *Immunity*, **2006**, 24, 363-6 | 32.3 | 8 |
| 18 | NOD2 modulates immune tolerance via the GM-CSF-dependent generation of CD103 dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10946-10957 | 11.5 | 7 |
| 17 | Enterohaemorrhagic, but not enteropathogenic, Escherichia coli infection of epithelial cells disrupts signalling responses to tumour necrosis factor-alpha. *Microbiology (United Kingdom)*, **2011**, 157, 2963-2973 | 2.9 | 7 |
| 16 | NLRC5 deficiency has a moderate impact on immunodominant CD8 T-cell responses during rotavirus infection of adult mice. *Immunology and Cell Biology*, **2019**, 97, 552-562 | 5 | 6 |
| 15 | No difference in renal injury and fibrosis between wild-type and NOD1/NOD2 double knockout mice with chronic kidney disease induced by ureteral obstruction. *BMC Nephrology*, **2018**, 19, 78 | 2.7 | 6 |
| 14 | Knocking in the NLRP3 inflammasome. *Immunity*, **2009**, 30, 761-3 | 32.3 | 6 |
| 13 | NLRX1 does not play a role in diabetes nor the development of diabetic nephropathy induced by multiple low doses of streptozotocin. *PLoS ONE*, **2019**, 14, e0214437 | 3.7 | 5 |

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| 12 | Constitutive induction of intestinal Tc17 cells in the absence of hematopoietic cell-specific MHC class II expression. *European Journal of Immunology*, **2013**, 43, 2896-906 | 6.1 | 5 |
| 11 | NLRX1 Deletion Increases Ischemia-Reperfusion Damage and Activates Glucose Metabolism in Mouse Heart. *Frontiers in Immunology*, **2020**, 11, 591815 | 8.4 | 5 |
| 10 | Stalling autophagy: a new function for phospholipases. *Microbial Cell*, **2014**, 1, 48-50 | 3.9 | 4 |
| 9 | Recognition of Lipoproteins by Toll-like Receptor 2 and DNA by the AIM2 Inflammasome Is Responsible for Production of Interleukin-1 by Virulent Suilysin-negative Serotype 2. *Pathogens*, **2020**, 9, | 4.5 | 3 |
| 8 | Defects in NLRP6, autophagy and goblet cell homeostasis are associated with reduced duodenal CRH receptor 2 expression in patients with functional dyspepsia.. *Brain, Behavior, and Immunity*, **2022**, | 16.6 | 3 |
| 7 | Bone marrow adipocytes drive the development of tissue invasive Ly6Chigh monocytes during obesity | | 2 |
| 6 | Sending signals - The microbiotaS contribution to intestinal epithelial homeostasis. *Microbes and Infection*, **2021**, 23, 104774 | 9.3 | 2 |
| 5 | Normal responses to specific NOD1 ligands. *European Journal of Immunology*, **2006**, 36, 2817-8; author reply 2818 | 6.1 | 1 |
| 4 | Tissue-selective alternate promoters guide NLRP6 expression. *Life Science Alliance*, **2021**, 4, | 5.8 | 1 |
| 3 | An optimized procedure for quantitative analysis of mitophagy with the mtKeima system using flow cytometry. *BioTechniques*, **2020**, 69, 249-256 | 2.5 | 0 |
| 2 | Carving a Niche for Antibacterial Defensins when Craving. *Cell Host and Microbe*, **2019**, 25, 632-634 | 23.4 | |
| 1 | Mammalian PGRPs also mind the fort. *Cell Host and Microbe*, **2010**, 8, 130-2 | 23.4 | |