# Elizabeth Louise Hartland

## List of Publications by Citations



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|---|---|---|---|
| 88 papers | 3,540 citations | 31 h-index | 58 g-index |
| 97 ext. papers | 4,197 ext. citations | 7.6 avg, IF | 5.05 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 88 | Molecular pathogenesis of infections caused by Legionella pneumophila. *Clinical Microbiology Reviews*, **2010**, 23, 274-98 | 34 | 348 |
| 87 | Enteropathogenic and enterohaemorrhagic Escherichia coli: even more subversive elements. *Molecular Microbiology*, **2011**, 80, 1420-38 | 4.1 | 275 |
| 86 | A type III effector antagonizes death receptor signalling during bacterial gut infection. *Nature*, **2013**, 501, 247-51 | 50.4 | 200 |
| 85 | Binding of intimin from enteropathogenic Escherichia coli to Tir and to host cells. *Molecular Microbiology*, **1999**, 32, 151-8 | 4.1 | 184 |
| 84 | The type III effectors NleE and NleB from enteropathogenic E. coli and OspZ from Shigella block nuclear translocation of NF-kappaB p65. *PLoS Pathogens*, **2010**, 6, e1000898 | 7.6 | 178 |
| 83 | Analysis of the Legionella longbeachae genome and transcriptome uncovers unique strategies to cause LegionnairesTdisease. *PLoS Genetics*, **2010**, 6, e1000851 | 6 | 126 |
| 82 | Essential role of the type III secretion system effector NleB in colonization of mice by Citrobacter rodentium. *Infection and Immunity*, **2006**, 74, 2328-37 | 3.7 | 123 |
| 81 | A screen of Coxiella burnetii mutants reveals important roles for Dot/Icm effectors and host autophagy in vacuole biogenesis. *PLoS Pathogens*, **2014**, 10, e1004286 | 7.6 | 111 |
| 80 | A type III effector protease NleC from enteropathogenic Escherichia coli targets NF-B for degradation. *Molecular Microbiology*, **2011**, 80, 219-30 | 4.1 | 103 |
| 79 | EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. *Nature Microbiology*, **2017**, 2, 16258 | 26.6 | 100 |
| 78 | Legionella pneumophila S1P-lyase targets host sphingolipid metabolism and restrains autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1901-6 | 11.5 | 91 |
| 77 | More than 18,000 effectors in the genus genome provide multiple, independent combinations for replication in human cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2265-2273 | 11.5 | 85 |
| 76 | Rab8a interacts directly with PI3K to modulate TLR4-driven PI3K and mTOR signalling. *Nature Communications*, **2014**, 5, 4407 | 17.4 | 85 |
| 75 | The bacterial virulence factor NleA inhibits cellular protein secretion by disrupting mammalian COPII function. *Cell Host and Microbe*, **2007**, 2, 160-71 | 23.4 | 84 |
| 74 | A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. *Nature Communications*, **2015**, 6, 6442 | 17.4 | 74 |
| 73 | The type III protein translocation system of enteropathogenic Escherichia coli involves EspA-EspB protein interactions. *Molecular Microbiology*, **2000**, 35, 1483-92 | 4.1 | 71 |
| 72 | Escherichia coli as a cause of diarrhea. *Journal of Gastroenterology and Hepatology (Australia)*, **2002**, 17, 467-75 | 4 | 71 |

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|---|---|---|---|
| 71 | Characterization of two non-locus of enterocyte effacement-encoded type III-translocated effectors, NleC and NleD, in attaching and effacing pathogens. *Infection and Immunity*, **2005**, 73, 8411-7 | 3.7 | 56 |
| 70 | Legionella pneumophila secretes a mitochondrial carrier protein during infection. *PLoS Pathogens*, **2012**, 8, e1002459 | 7.6 | 49 |
| 69 | The Genetics of Enteropathogenic Escherichia coli Virulence. *Annual Review of Genetics*, **2016**, 50, 493-513 | 14.5 | 46 |
| 68 | Eliminating Legionella by inhibiting BCL-XL to induce macrophage apoptosis. *Nature Microbiology*, **2016**, 1, 15034 | 26.6 | 46 |
| 67 | Genetic diversity and virulence potential of shiga toxin-producing Escherichia coli O113:H21 strains isolated from clinical, environmental, and food sources. *Applied and Environmental Microbiology*, **2014**, 80, 4757-63 | 4.8 | 44 |
| 66 | The NleE/OspZ family of effector proteins is required for polymorphonuclear transepithelial migration, a characteristic shared by enteropathogenic Escherichia coli and Shigella flexneri infections. *Infection and Immunity*, **2008**, 76, 369-79 | 3.7 | 42 |
| 65 | BTB-ZF transcriptional regulator PLZF modifies chromatin to restrain inflammatory signaling programs. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 1535-40 | 11.5 | 41 |
| 64 | Binding to Na(+) /H(+) exchanger regulatory factor 2 (NHERF2) affects trafficking and function of the enteropathogenic Escherichia coli type III secretion system effectors Map, EspI and NleH. *Cellular Microbiology*, **2010**, 12, 1718-31 | 3.9 | 39 |
| 63 | Inhibition of death receptor signaling by bacterial gut pathogens. *Cytokine and Growth Factor Reviews*, **2014**, 25, 235-43 | 17.9 | 36 |
| 62 | The bacterial arginine glycosyltransferase effector NleB preferentially modifies Fas-associated death domain protein (FADD). *Journal of Biological Chemistry*, **2017**, 292, 17337-17350 | 5.4 | 36 |
| 61 | EspG of enteropathogenic and enterohemorrhagic E. coli binds the Golgi matrix protein GM130 and disrupts the Golgi structure and function. *Cellular Microbiology*, **2011**, 13, 1429-39 | 3.9 | 34 |
| 60 | Effectors SseK1 and SseK3 Target Death Domain Proteins in the TNF and TRAIL Signaling Pathways. *Molecular and Cellular Proteomics*, **2019**, 18, 1138-1156 | 7.6 | 33 |
| 59 | Legionella pneumophila Effector LpdA Is a Palmitoylated Phospholipase D Virulence Factor. *Infection and Immunity*, **2015**, 83, 3989-4002 | 3.7 | 31 |
| 58 | The Escherichia coli effector EspJ blocks Src kinase activity via amidation and ADP ribosylation. *Nature Communications*, **2014**, 5, 5887 | 17.4 | 30 |
| 57 | The Dot/Icm effector SdhA is necessary for virulence of Legionella pneumophila in Galleria mellonella and A/J mice. *Infection and Immunity*, **2013**, 81, 2598-605 | 3.7 | 28 |
| 56 | A C-terminal class I PDZ binding motif of EspI/NleA modulates the virulence of attaching and effacing Escherichia coli and Citrobacter rodentium. *Cellular Microbiology*, **2008**, 10, 499-513 | 3.9 | 28 |
| 55 | A new method to determine in vivo interactomes reveals binding of the Legionella pneumophila effector PieE to multiple rab GTPases. *MBio*, **2014**, 5, | 7.8 | 26 |
| 54 | Cooperation between Monocyte-Derived Cells and Lymphoid Cells in the Acute Response to a Bacterial Lung Pathogen. *PLoS Pathogens*, **2016**, 12, e1005691 | 7.6 | 26 |

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| 53 | Fas regulates neutrophil lifespan during viral and bacterial infection. *Journal of Leukocyte Biology*, **2015**, 97, 321-6 | 6.5 | 24 |
| 52 | The type III secretion effector NleF of enteropathogenic Escherichia coli activates NF-B early during infection. *Infection and Immunity*, **2014**, 82, 4878-88 | 3.7 | 23 |
| 51 | Contribution of the pst-phoU operon to cell adherence by atypical enteropathogenic Escherichia coli and virulence of Citrobacter rodentium. *Infection and Immunity*, **2009**, 77, 1936-44 | 3.7 | 23 |
| 50 | Distinct Roles of the Antiapoptotic Effectors NleB and NleF from Enteropathogenic Escherichia coli. *Infection and Immunity*, **2017**, 85, | 3.7 | 22 |
| 49 | Methylomic and phenotypic analysis of the ModH5 phasevarion of Helicobacter pylori. *Scientific Reports*, **2017**, 7, 16140 | 4.9 | 21 |
| 48 | Secretion of flagellin by the LEE-encoded type III secretion system of enteropathogenic Escherichia coli. *BMC Microbiology*, **2009**, 9, 30 | 4.5 | 21 |
| 47 | Enteropathogenic and enterohemorrhagic Escherichia coli type III secretion effector EspV induces radical morphological changes in eukaryotic cells. *Infection and Immunity*, **2011**, 79, 1067-76 | 3.7 | 21 |
| 46 | Masters, marionettes and modulators: intersection of pathogen virulence factors and mammalian death receptor signaling. *Current Opinion in Immunology*, **2013**, 25, 436-40 | 7.8 | 20 |
| 45 | Mutagenesis and Functional Analysis of the Bacterial Arginine Glycosyltransferase Effector NleB1 from Enteropathogenic Escherichia coli. *Infection and Immunity*, **2016**, 84, 1346-1360 | 3.7 | 18 |
| 44 | The cell death response to enteropathogenic Escherichia coli infection. *Cellular Microbiology*, **2014**, 16, 1736-45 | 3.9 | 18 |
| 43 | Phasevarion-Regulated Virulence in the Emerging Pediatric Pathogen Kingella kingae. *Infection and Immunity*, **2017**, 85, | 3.7 | 17 |
| 42 | Experimental Legionella longbeachae infection in intratracheally inoculated mice. *Journal of Medical Microbiology*, **2009**, 58, 723-730 | 3.2 | 17 |
| 41 | The Inflammatory Response during Enterohemorrhagic Escherichia coli Infection. *Microbiology Spectrum*, **2014**, 2, EHEC-0012-2013 | 8.9 | 15 |
| 40 | A horizontally acquired transcription factor coordinates Salmonella adaptations to host microenvironments. *MBio*, **2014**, 5, e01727-14 | 7.8 | 15 |
| 39 | Identification of a Distinct Substrate-binding Domain in the Bacterial Cysteine Methyltransferase Effectors NleE and OspZ. *Journal of Biological Chemistry*, **2016**, 291, 20149-62 | 5.4 | 15 |
| 38 | Substrate recognition by the zinc metalloprotease effector NleC from enteropathogenic Escherichia coli. *Cellular Microbiology*, **2015**, 17, 1766-78 | 3.9 | 14 |
| 37 | Soluble NSF attachment protein receptor molecular mimicry by a Legionella pneumophila Dot/Icm effector. *Cellular Microbiology*, **2015**, 17, 767-84 | 3.9 | 14 |
| 36 | In vitro association between the virulence proteins, YopD and YopE, of Yersinia enterocolitica. *FEMS Microbiology Letters*, **1998**, 162, 207-13 | 2.9 | 14 |

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| 35 | The Effector SseK3 Targets Small Rab GTPases. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 419 | 5.9 | 13 |
| 34 | The regulation of acute immune responses to the bacterial lung pathogen. *Journal of Leukocyte Biology*, **2017**, 101, 875-886 | 6.5 | 12 |
| 33 | Post-modern pathogens: surprising activities of translocated effectors from E. coli and Legionella. *Current Opinion in Microbiology*, **2015**, 23, 73-9 | 7.9 | 12 |
| 32 | Post-translational Mechanisms of Host Subversion by Bacterial Effectors. *Trends in Molecular Medicine*, **2017**, 23, 1088-1102 | 11.5 | 12 |
| 31 | Targeting of RNA Polymerase II by a nuclear Legionella pneumophila Dot/Icm effector SnpL. *Cellular Microbiology*, **2018**, 20, e12852 | 3.9 | 11 |
| 30 | Golgi-located NTPDase1 of Leishmania major is required for lipophosphoglycan elongation and normal lesion development whereas secreted NTPDase2 is dispensable for virulence. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3402 | 4.8 | 11 |
| 29 | Multiple ecto-nucleoside triphosphate diphosphohydrolases facilitate intracellular replication of Legionella pneumophila. *Biochemical Journal*, **2014**, 462, 279-89 | 3.8 | 10 |
| 28 | Inhibitors for the bacterial ectonucleotidase Lp1NTPDase from Legionella pneumophila. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4363-4371 | 3.4 | 10 |
| 27 | Characterization of the ospZ promoter in Shigella flexneri and its regulation by VirB and H-NS. *Journal of Bacteriology*, **2013**, 195, 2562-72 | 3.5 | 9 |
| 26 | Molecular mechanisms employed by enteric bacterial pathogens to antagonise host innate immunity. *Current Opinion in Microbiology*, **2021**, 59, 58-64 | 7.9 | 9 |
| 25 | The Type III Effector NleD from Enteropathogenic Escherichia coli Differentiates between Host Substrates p38 and JNK. *Infection and Immunity*, **2017**, 85, | 3.7 | 8 |
| 24 | Plasmacytoid Dendritic Cells Provide Protection Against Bacterial-Induced Colitis. *Frontiers in Immunology*, **2019**, 10, 608 | 8.4 | 7 |
| 23 | A surprising sweetener from enteropathogenic Escherichia coli. *Gut Microbes*, **2014**, 5, 766-9 | 8.8 | 6 |
| 22 | Infection Rewires the Transcriptome, Highlighting a Class of Sirtuin Genes. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 428 | 5.9 | 6 |
| 21 | Effectors Targeting the Unfolded Protein Response during Intracellular Bacterial Infection. *Microorganisms*, **2021**, 9, | 4.9 | 6 |
| 20 | Loss of -Linked Protein Glycosylation in Burkholderia cenocepacia Impairs Biofilm Formation and Siderophore Activity and Alters Transcriptional Regulators. *MSphere*, **2019**, 4, | 5 | 6 |
| 19 | Citrobacter rodentium Infection Model for the Analysis of Bacterial Pathogenesis and Mucosal Immunology. *Methods in Molecular Biology*, **2018**, 1725, 77-89 | 1.4 | 4 |
| 18 | In vitro association between the virulence proteins, YopD and YopE, of Yersinia enterocolitica | | 4 |

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|---|---|---|---|
| 17 | IFNreceptor down-regulation facilitates Legionella survival in alveolar macrophages. *Journal of Leukocyte Biology*, **2020**, 107, 273-284 | 6.5 | 4 |
| 16 | NleB2 from enteropathogenic Escherichia coli is a novel arginine-glucose transferase effector. *PLoS Pathogens*, **2021**, 17, e1009658 | 7.6 | 4 |
| 15 | A potential new target for autoinflammatory bone disease. *Journal of Biological Chemistry*, **2020**, 295, 3401-3402 | 5.4 | 2 |
| 14 | Structural and functional study of Legionella pneumophila effector RavA. *Protein Science*, **2021**, 30, 940-955 | 8.5 | 2 |
| 13 | Bacterial pathogenesis: Legionella phosphoinositide tailoring. *Nature Microbiology*, **2017**, 2, 17013 | 26.6 | 1 |
| 12 | The Mouse as a Model for Pulmonary Legionella Infection. *Methods in Molecular Biology*, **2019**, 1921, 399-417 | 1.4 | 1 |
| 11 | Salmonellaeffectors SseK1 and SseK3 target death domain proteins in the TNF and TRAIL signaling pathways | | 1 |
| 10 | Tissue Tropism in Intestinal Colonization237-251 | | 1 |
| 9 | The Inflammatory Response during EnterohemorrhagicEscherichia coliInfection321-339 | | 1 |
| 8 | Interferon-induced GTPases orchestrate host cell-autonomous defence against bacterial pathogens. *Biochemical Society Transactions*, **2021**, 49, 1287-1297 | 5.1 | 1 |
| 7 | Genome-wide genetic screen identifies host ubiquitination as important for Legionella pneumophila Dot/Icm effector translocation. *Cellular Microbiology*, **2021**, 23, e13368 | 3.9 | 1 |
| 6 | Inhibition of the master regulator of Listeria monocytogenes virulence enables bacterial clearance from spacious replication vacuoles in infected macrophages.. *PLoS Pathogens*, **2022**, 18, e1010166 | 7.6 | 0 |
| 5 | Pathogenesis of Legionella pneumophila in Humans **2015**, 575-590 | | |
| 4 | Host Innate Immune Factors Influencing Enterohemorrhagic Escherichia coli Pathogenicity **2017**, 355-373 | | |
| 3 | Eukaryotic-Like Proteins of Legionella pneumophila as Potential Virulence Factors246-250 | | |
| 2 | Role of Legionella pneumophila-Specific Genes in Pathogenesis251-254 | | |
| 1 | Measuring Effector-Mediated Modulation of Inflammatory Responses to Infection with Enteropathogenic and Shiga Toxin-Producing E. coli. *Methods in Molecular Biology*, **2021**, 2291, 317-332 | 1.4 | |