Elizabeth Louise Hartland

List of Publications by Year in Descending Order

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	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
87	Effectors Targeting the Unfolded Protein Response during Intracellular Bacterial Infection. *Microorganisms*, **2021**, 9,	4.9	6
86	Interferon-induced GTPases orchestrate host cell-autonomous defence against bacterial pathogens. *Biochemical Society Transactions*, **2021**, 49, 1287-1297	5.1	1
85	NleB2 from enteropathogenic Escherichia coli is a novel arginine-glucose transferase effector. *PLoS Pathogens*, **2021**, 17, e1009658	7.6	4
84	Genome-wide genetic screen identifies host ubiquitination as important for Legionella pneumophila Dot/Icm effector translocation. *Cellular Microbiology*, **2021**, 23, e13368	3.9	1
83	Molecular mechanisms employed by enteric bacterial pathogens to antagonise host innate immunity. *Current Opinion in Microbiology*, **2021**, 59, 58-64	7.9	9
82	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	
81	Structural and functional study of Legionella pneumophila effector RavA. *Protein Science*, **2021**, 30, 940-955	6.5	2
80	A potential new target for autoinflammatory bone disease. *Journal of Biological Chemistry*, **2020**, 295, 3401-3402	5.4	2
79	IFN receptor down-regulation facilitates Legionella survival in alveolar macrophages. *Journal of Leukocyte Biology*, **2020**, 107, 273-284	6.5	4
78	Infection Rewires the Transcriptome, Highlighting a Class of Sirtuin Genes. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 428	5.9	6
77	The Effector SseK3 Targets Small Rab GTPases. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 419	5.9	13
76	The Mouse as a Model for Pulmonary Legionella Infection. *Methods in Molecular Biology*, **2019**, 1921, 399-417	1.4	1
75	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
74	Plasmacytoid Dendritic Cells Provide Protection Against Bacterial-Induced Colitis. *Frontiers in Immunology*, **2019**, 10, 608	8.4	7
73	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
72	Loss of -Linked Protein Glycosylation in Burkholderia cenocepacia Impairs Biofilm Formation and Siderophore Activity and Alters Transcriptional Regulators. *MSphere*, **2019**, 4,	5	6

71	Targeting of RNA Polymerase II by a nuclear Legionella pneumophila Dot/Icm effector SnpL. *Cellular Microbiology*, **2018**, 20, e12852	3.9	11
70	Citrobacter rodentium Infection Model for the Analysis of Bacterial Pathogenesis and Mucosal Immunology. *Methods in Molecular Biology*, **2018**, 1725, 77-89	1.4	4
69	Distinct Roles of the Antiapoptotic Effectors NleB and NleF from Enteropathogenic Escherichia coli. *Infection and Immunity*, **2017**, 85,	3.7	22
68	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. *Nature Microbiology*, **2017**, 2, 16258	26.6	100
67	Bacterial pathogenesis: Legionella phosphoinositide tailoring. *Nature Microbiology*, **2017**, 2, 17013	26.6	1
66	The regulation of acute immune responses to the bacterial lung pathogen. *Journal of Leukocyte Biology*, **2017**, 101, 875-886	6.5	12
65	The Type III Effector NleD from Enteropathogenic Escherichia coli Differentiates between Host Substrates p38 and JNK. *Infection and Immunity*, **2017**, 85,	3.7	8
64	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
63	Methylomic and phenotypic analysis of the ModH5 phasevarion of Helicobacter pylori. *Scientific Reports*, **2017**, 7, 16140	4.9	21
62	Post-translational Mechanisms of Host Subversion by Bacterial Effectors. *Trends in Molecular Medicine*, **2017**, 23, 1088-1102	11.5	12
61	Phasevarion-Regulated Virulence in the Emerging Pediatric Pathogen Kingella kingae. *Infection and Immunity*, **2017**, 85,	3.7	17
60	Host Innate Immune Factors Influencing Enterohemorrhagic Escherichia coli Pathogenicity **2017**, 355-373		
59	The Genetics of Enteropathogenic Escherichia coli Virulence. *Annual Review of Genetics*, **2016**, 50, 493-513	14.5	46
58	Eliminating Legionella by inhibiting BCL-XL to induce macrophage apoptosis. *Nature Microbiology*, **2016**, 1, 15034	26.6	46
57	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
56	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
55	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
54	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

53	Inhibitors for the bacterial ectonucleotidase Lp1NTPDase from Legionella pneumophila. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4363-4371	3.4	10
52	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
51	Legionella pneumophila Effector LpdA Is a Palmitoylated Phospholipase D Virulence Factor. *Infection and Immunity*, **2015**, 83, 3989-4002	3.7	31
50	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. *Nature Communications*, **2015**, 6, 6442	17.4	74
49	Substrate recognition by the zinc metalloprotease effector NleC from enteropathogenic Escherichia coli. *Cellular Microbiology*, **2015**, 17, 1766-78	3.9	14
48	Soluble NSF attachment protein receptor molecular mimicry by a Legionella pneumophila Dot/Icm effector. *Cellular Microbiology*, **2015**, 17, 767-84	3.9	14
47	Fas regulates neutrophil lifespan during viral and bacterial infection. *Journal of Leukocyte Biology*, **2015**, 97, 321-6	6.5	24
46	Post-modern pathogens: surprising activities of translocated effectors from E. coli and Legionella. *Current Opinion in Microbiology*, **2015**, 23, 73-9	7.9	12
45	Pathogenesis of Legionella pneumophila in Humans **2015**, 575-590		
44	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
43	Multiple ecto-nucleoside triphosphate diphosphohydrolases facilitate intracellular replication of Legionella pneumophila. *Biochemical Journal*, **2014**, 462, 279-89	3.8	10
42	Rab8a interacts directly with PI3K to modulate TLR4-driven PI3K and mTOR signalling. *Nature Communications*, **2014**, 5, 4407	17.4	85
41	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
40	Inhibition of death receptor signaling by bacterial gut pathogens. *Cytokine and Growth Factor Reviews*, **2014**, 25, 235-43	17.9	36
39	The Inflammatory Response during Enterohemorrhagic Escherichia coli Infection. *Microbiology Spectrum*, **2014**, 2, EHEC-0012-2013	8.9	15
38	The Escherichia coli effector EspJ blocks Src kinase activity via amidation and ADP ribosylation. *Nature Communications*, **2014**, 5, 5887	17.4	30
37	A surprising sweetener from enteropathogenic Escherichia coli. *Gut Microbes*, **2014**, 5, 766-9	8.8	6
36	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

35	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
34	A horizontally acquired transcription factor coordinates Salmonella adaptations to host microenvironments. *MBio*, **2014**, 5, e01727-14	7.8	15
33	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
32	The cell death response to enteropathogenic Escherichia coli infection. *Cellular Microbiology*, **2014**, 16, 1736-45	3.9	18
31	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
30	A type III effector antagonizes death receptor signalling during bacterial gut infection. *Nature*, **2013**, 501, 247-51	50.4	200
29	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
28	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
27	Legionella pneumophila secretes a mitochondrial carrier protein during infection. *PLoS Pathogens*, **2012**, 8, e1002459	7.6	49
26	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
25	A type III effector protease NleC from enteropathogenic Escherichia coli targets NF-**B** for degradation. *Molecular Microbiology*, **2011**, 80, 219-30	4.1	103
24	Enteropathogenic and enterohaemorrhagic Escherichia coli: even more subversive elements. *Molecular Microbiology*, **2011**, 80, 1420-38	4.1	275
23	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
22	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
21	Analysis of the Legionella longbeachae genome and transcriptome uncovers unique strategies to cause LegionnairesTdisease. *PLoS Genetics*, **2010**, 6, e1000851	6	126
20	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
19	Molecular pathogenesis of infections caused by Legionella pneumophila. *Clinical Microbiology Reviews*, **2010**, 23, 274-98	34	348
18	Experimental Legionella longbeachae infection in intratracheally inoculated mice. *Journal of Medical Microbiology*, **2009**, 58, 723-730	3.2	17

17	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
16	Secretion of flagellin by the LEE-encoded type III secretion system of enteropathogenic Escherichia coli. *BMC Microbiology*, **2009**, 9, 30	4.5	21
15	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
14	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
13	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
12	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
11	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
10	Escherichia coli as a cause of diarrhea. *Journal of Gastroenterology and Hepatology (Australia)*, **2002**, 17, 467-75	4	71
9	The type III protein translocation system of enteropathogenic Escherichia coli involves EspA-EspB protein interactions. *Molecular Microbiology*, **2000**, 35, 1483-92	4.1	71
8	Binding of intimin from enteropathogenic Escherichia coli to Tir and to host cells. *Molecular Microbiology*, **1999**, 32, 151-8	4.1	184
7	In vitro association between the virulence proteins, YopD and YopE, of Yersinia enterocolitica. *FEMS Microbiology Letters*, **1998**, 162, 207-13	2.9	14
6	In vitro association between the virulence proteins, YopD and YopE, of Yersinia enterocolitica		4
5	Salmonellaeffectors SseK1 and SseK3 target death domain proteins in the TNF and TRAIL signaling pathways		1
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