Neil A Mabbott

List of Publications by Year in Descending Order

122 papers	5,286 citations	43 h-index	69 g-index
142 ext. papers	6,339 ext. citations	8.2 avg, IF	5.9 L-index

#	Paper	IF	Citations
122	Foot-and-mouth disease virus localisation on follicular dendritic cells and sustained induction of neutralising antibodies is dependent on binding to complement receptors (CR2/CR1).. *PLoS Pathogens*, **2022**, 18, e1009942	7.6	0
121	Vitamin D3 replacement enhances antigen-specific immunity in older adults. *Immunotherapy Advances*, **2021**, 1,		3
120	Inside-out chicken enteroids with leukocyte component as a model to study host-pathogen interactions. *Communications Biology*, **2021**, 4, 377	6.7	10
119	Dermal bacterial LPS-stimulation reduces susceptibility to intradermal Trypanosoma brucei infection. *Scientific Reports*, **2021**, 11, 9856	4.9	
118	Recruitment of inflammatory monocytes by senescent fibroblasts inhibits antigen-specific tissue immunity during human aging. *Nature Aging*, **2021**, 1, 101-113		11
117	The clinical correlates of vaccine-induced immune thrombotic thrombocytopenia after immunisation with adenovirus vector-based SARS-CoV-2 vaccines. *Immunotherapy Advances*, **2021**, 1, ltab019		0
116	Aging-Related Impairments to M Cells in Peyer's Patches Coincide With Disturbances to Paneth Cells.. *Frontiers in Immunology*, **2021**, 12, 761949	8.4	1
115	Microbial Stimulation Reverses the Age-Related Decline in M Cells in Aged Mice. *IScience*, **2020**, 23, 101147	6.1	14
114	Influence of the Draining Lymph Nodes and Organized Lymphoid Tissue Microarchitecture on Susceptibility to Intradermal Infection. *Frontiers in Immunology*, **2020**, 11, 1118	8.4	0
113	Sestrins induce natural killer function in senescent-like CD8 T cells. *Nature Immunology*, **2020**, 21, 684-694	19.1	58
112	Accelerated onset of CNS prion disease in mice co-infected with a gastrointestinal helminth pathogen during the preclinical phase. *Scientific Reports*, **2020**, 10, 4554	4.9	5
111	To the Skin and Beyond: The Immune Response to African Trypanosomes as They Enter and Exit the Vertebrate Host. *Frontiers in Immunology*, **2020**, 11, 1250	8.4	5
110	Continued Bcl6 Expression Prevents the Transdifferentiation of Established Tfh Cells into Th1 Cells during Acute Viral Infection. *Cell Reports*, **2020**, 33, 108232	10.6	12
109	The Effects of Immune System Modulation on Prion Disease Susceptibility and Pathogenesis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
108	Discrimination of Prion Strain Targeting in the Central Nervous System via Reactive Astrocyte Heterogeneity in CD44 Expression. *Frontiers in Cellular Neuroscience*, **2019**, 13, 411	6.1	15
107	Shiga toxin sub-type 2a increases the efficiency of Escherichia coli O157 transmission between animals and restricts epithelial regeneration in bovine enteroids. *PLoS Pathogens*, **2019**, 15, e1008003	7.6	19
106	Type I interferon induces CXCL13 to support ectopic germinal center formation. *Journal of Experimental Medicine*, **2019**, 216, 621-637	16.6	73

105	Effects of host-derived chemokines on the motility and viability of Trypanosoma brucei. *Parasite Immunology*, **2019**, 41, e12609	2.2	6
104	Activated Peyer's patch B cells sample antigen directly from M cells in the subepithelial dome. *Nature Communications*, **2019**, 10, 2423	17.4	24
103	Effect of co-infection with a small intestine-restricted helminth pathogen on oral prion disease pathogenesis in mice. *Scientific Reports*, **2019**, 9, 6674	4.9	7
102	Deletion of a Csf1r enhancer selectively impacts CSF1R expression and development of tissue macrophage populations. *Nature Communications*, **2019**, 10, 3215	17.4	90
101	Antigen-presenting ILC3 regulate T cell-dependent IgA responses to colonic mucosal bacteria. *Journal of Experimental Medicine*, **2019**, 216, 728-742	16.6	68
100	Unaltered intravenous prion disease pathogenesis in the temporary absence of marginal zone B cells. *Scientific Reports*, **2019**, 9, 19119	4.9	
99	Antigen Sampling -Expressing Epithelial Cells Are the Functional Equivalents of Mammalian M Cells in the Avian Follicle-Associated Epithelium. *Frontiers in Immunology*, **2019**, 10, 2495	8.4	12
98	The role of CSF1R-dependent macrophages in control of the intestinal stem-cell niche. *Nature Communications*, **2018**, 9, 1272	17.4	86
97	Oral Prion Neuroinvasion Occurs Independently of PrP Expression in the Gut Epithelium. *Journal of Virology*, **2018**, 92,	6.6	5
96	Development of in vitro enteroids derived from bovine small intestinal crypts. *Veterinary Research*, **2018**, 49, 54	3.8	26
95	The role of the immune system in prion infection. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2018**, 153, 85-107	3	7
94	Enhancement of cutaneous immunity during aging by blocking p38 mitogen-activated protein (MAP) kinase-induced inflammation. *Journal of Allergy and Clinical Immunology*, **2018**, 142, 844-856	11.5	46
93	The Influence of Parasite Infections on Host Immunity to Co-infection With Other Pathogens. *Frontiers in Immunology*, **2018**, 9, 2579	8.4	46
92	Impact of Zostavax Vaccination on T-Cell Accumulation and Cutaneous Gene Expression in the Skin of Older Humans After Varicella Zoster Virus Antigen-Specific Challenge. *Journal of Infectious Diseases*, **2018**, 218, S88-S98	7	8
91	Pleiotropic Impacts of Macrophage and Microglial Deficiency on Development in Rats with Targeted Mutation of the Locus. *Journal of Immunology*, **2018**, 201, 2683-2699	5.3	60
90	Increased susceptibility to oral Trichuris muris infection in the specific absence of CXCR5 CD11c cells. *Parasite Immunology*, **2018**, 40, e12566	2.2	4
89	Structural and functional changes to lymph nodes in ageing mice. *Immunology*, **2017**, 151, 239-247	7.8	37
88	Pre/pro-B cells generate macrophage populations during homeostasis and inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3954-E3963	11.5	19

87	Ageing adversely affects the migration and function of marginal zone B cells. *Immunology*, **2017**, 151, 349-362	7.8	32
86	Oral Prion Disease Pathogenesis Is Impeded in the Specific Absence of CXCR5-Expressing Dendritic Cells. *Journal of Virology*, **2017**, 91,	6.6	20
85	Derivation of marker gene signatures from human skin and their use in the interpretation of the transcriptional changes associated with dermatological disorders. *Journal of Pathology*, **2017**, 241, 600-613	9.4	13
84	Immunology of Prion Protein and Prions. *Progress in Molecular Biology and Translational Science*, **2017**, 150, 203-240	4	7
83	Bovine cryptosporidiosis: impact, host-parasite interaction and control strategies. *Veterinary Research*, **2017**, 48, 42	3.8	90
82	How do PrP Prions Spread between Host Species, and within Hosts?. *Pathogens*, **2017**, 6,	4.5	21
81	Influence of ageing on the microarchitecture of the spleen and lymph nodes. *Biogerontology*, **2017**, 18, 723-738	4.5	35
80	c-Rel is dispensable for the differentiation and functional maturation of M cells in the follicle-associated epithelium. *Immunobiology*, **2017**, 222, 316-326	3.4	5
79	Prion disease pathogenesis in the absence of the commensal microbiota. *Journal of General Virology*, **2017**, 98, 1943-1952	4.9	8
78	Prion pathogenesis is unaltered following down-regulation of SIGN-R1. *Virology*, **2016**, 497, 337-345	3.6	5
77	Increased Abundance of M Cells in the Gut Epithelium Dramatically Enhances Oral Prion Disease Susceptibility. *PLoS Pathogens*, **2016**, 12, e1006075	7.6	31
76	The influence of the commensal and pathogenic gut microbiota on prion disease pathogenesis. *Journal of General Virology*, **2016**, 97, 1725-1738	4.9	10
75	Immunology of Prion Disease **2016**, 184-199		
74	From Scientific Curiosity to Public Enemy Number One in Six Short Months. *PLoS Pathogens*, **2016**, 12, e1005371	7.6	
73	Macrophage colony-stimulating factor (CSF1) controls monocyte production and maturation and the steady-state size of the liver in pigs. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G533-47	5.1	33
72	The Priority position paper: Protecting Europe's food chain from prions. *Prion*, **2016**, 10, 165-81	2.3	10
71	Reciprocal regulation of lymphoid tissue development in the large intestine by IL-25 and IL-23. *Mucosal Immunology*, **2015**, 8, 582-95	9.2	28
70	The Gut-Associated Lymphoid Tissues in the Small Intestine, Not the Large Intestine, Play a Major Role in Oral Prion Disease Pathogenesis. *Journal of Virology*, **2015**, 89, 9532-47	6.6	26

69	An endogenous nanomineral chaperones luminal antigen and peptidoglycan to intestinal immune cells. *Nature Nanotechnology*, **2015**, 10, 361-9	28.7	62
68	The Characterization of Varicella Zoster Virus-Specific T Cells in Skin and Blood during Aging. *Journal of Investigative Dermatology*, **2015**, 135, 1752-1762	4.3	60
67	Aging and the mucosal immune system in the intestine. *Biogerontology*, **2015**, 16, 133-45	4.5	56
66	MicroRNA-100-5p indirectly modulates the expression of Il6, Ptgs1/2 and Tlr4 mRNA in the mouse follicular dendritic cell-like cell line, FL-Y. *Immunology*, **2015**, 144, 34-44	7.8	9
65	A breakdown in communication? Understanding the effects of aging on the human small intestine epithelium. *Clinical Science*, **2015**, 129, 529-31	6.5	22
64	Human prion diseases and the risk of their transmission during anatomical dissection. *Clinical Anatomy*, **2014**, 27, 821-32	2.5	9
63	Identification of co-expressed gene signatures in mouse B1, marginal zone and B2 B-cell populations. *Immunology*, **2014**, 141, 79-95	7.8	35
62	Evidence of subclinical prion disease in aged mice following exposure to bovine spongiform encephalopathy. *Journal of General Virology*, **2014**, 95, 231-243	4.9	21
61	CSF-1 receptor-mediated differentiation of a new type of monocytic cell with B cell-stimulating activity: its selective dependence on IL-34. *Journal of Leukocyte Biology*, **2014**, 95, 19-31	6.5	25
60	Characterisation of a novel Fc conjugate of macrophage colony-stimulating factor. *Molecular Therapy*, **2014**, 22, 1580-92	11.7	63
59	Peripheral prion disease pathogenesis is unaltered in the absence of sialoadhesin (Siglec-1/CD169). *Immunology*, **2014**, 143, 120-9	7.8	13
58	Pleiotropic effects of extended blockade of CSF1R signaling in adult mice. *Journal of Leukocyte Biology*, **2014**, 96, 265-74	6.5	67
57	The MacBlue binary transgene (csf1r-gal4VP16/UAS-ECFP) provides a novel marker for visualisation of subsets of monocytes, macrophages and dendritic cells and responsiveness to CSF1 administration. *PLoS ONE*, **2014**, 9, e105429	3.7	43
56	An expression atlas of human primary cells: inference of gene function from coexpression networks. *BMC Genomics*, **2013**, 14, 632	4.5	171
55	Can DCs be distinguished from macrophages by molecular signatures?. *Nature Immunology*, **2013**, 14, 187-9	19.1	58
54	Ablation of the cellular prion protein, PrPC, specifically on follicular dendritic cells has no effect on their maturation or function. *Immunology*, **2013**, 138, 246-57	7.8	15
53	Microfold (M) cells: important immunosurveillance posts in the intestinal epithelium. *Mucosal Immunology*, **2013**, 6, 666-77	9.2	395
52	The functional maturation of M cells is dramatically reduced in the Peyer's patches of aged mice. *Mucosal Immunology*, **2013**, 6, 1027-37	9.2	63

51	Salmonella transforms follicle-associated epithelial cells into M cells to promote intestinal invasion. *Cell Host and Microbe*, **2012**, 12, 645-56	23.4	119
50	Prion disease and the innate immune system. *Viruses*, **2012**, 4, 3389-419	6.2	35
49	B cell-specific S1PR1 deficiency blocks prion dissemination between secondary lymphoid organs. *Journal of Immunology*, **2012**, 188, 5032-40	5.3	24
48	Identification of novel genes selectively expressed in the follicle-associated epithelium from the meta-analysis of transcriptomics data from multiple mouse cell and tissue populations. *DNA Research*, **2012**, 19, 407-22	4.5	16
47	The diverse roles of mononuclear phagocytes in prion disease pathogenesis. *Prion*, **2012**, 6, 124-33	2.3	8
46	Prion pathogenesis and secondary lymphoid organs (SLO): tracking the SLO spread of prions to the brain. *Prion*, **2012**, 6, 322-33	2.3	14
45	M cell-depletion blocks oral prion disease pathogenesis. *Mucosal Immunology*, **2012**, 5, 216-25	9.2	75
44	The effects of host age on the transport of complement-bound complexes to the spleen and the pathogenesis of intravenous scrapie infection. *Journal of Virology*, **2012**, 86, 25-35	6.6	25
43	Determining the role of mononuclear phagocytes in prion neuroinvasion from the skin. *Journal of Leukocyte Biology*, **2012**, 91, 817-28	6.5	12
42	Defining the anatomical localisation of subsets of the murine mononuclear phagocyte system using integrin alpha X (Itgax, CD11c) and colony stimulating factor 1 receptor (Csf1r, CD115) expression fails to discriminate dendritic cells from macrophages. *Immunobiology*, **2011**, 216, 1228-37	3.4	39
41	Expression of mesenchyme-specific gene signatures by follicular dendritic cells: insights from the meta-analysis of microarray data from multiple mouse cell populations. *Immunology*, **2011**, 133, 482-98	7.8	47
40	Follicular dendritic cell-specific prion protein (PrP) expression alone is sufficient to sustain prion infection in the spleen. *PLoS Pathogens*, **2011**, 7, e1002402	7.6	73
39	Prion uptake in the gut: identification of the first uptake and replication sites. *PLoS Pathogens*, **2011**, 7, e1002449	7.6	89
38	Meta-analysis of lineage-specific gene expression signatures in mouse leukocyte populations. *Immunobiology*, **2010**, 215, 724-36	3.4	78
37	Scrapie affects the maturation cycle and immune complex trapping by follicular dendritic cells in mice. *PLoS ONE*, **2009**, 4, e8186	3.7	16
36	The effects of host age on follicular dendritic cell status dramatically impair scrapie agent neuroinvasion in aged mice. *Journal of Immunology*, **2009**, 183, 5199-207	5.3	47
35	Role of the draining lymph node in scrapie agent transmission from the skin. *Immunology Letters*, **2007**, 109, 64-71	4.1	19
34	Isolated lymphoid follicle maturation induces the development of follicular dendritic cells. *Immunology*, **2007**, 120, 336-44	7.8	20

33	Assessing the involvement of migratory dendritic cells in the transfer of the scrapie agent from the immune to peripheral nervous systems. *Journal of Neuroimmunology*, **2007**, 187, 114-25	3.5	25
32	In vivo depletion of CD11c+ cells impairs scrapie agent neuroinvasion from the intestine. *Journal of Immunology*, **2007**, 179, 7758-66	5.3	55
31	Role of the GALT in scrapie agent neuroinvasion from the intestine. *Journal of Immunology*, **2007**, 178, 3757-66	5.3	59
30	Prions and their lethal journey to the brain. *Nature Reviews Microbiology*, **2006**, 4, 201-11	22.2	154
29	Follicular dendritic cell dedifferentiation reduces scrapie susceptibility following inoculation via the skin. *Immunology*, **2005**, 114, 225-34	7.8	31
28	Skin-derived dendritic cells acquire and degrade the scrapie agent following in vitro exposure. *Immunology*, **2005**, 116, 122-33	7.8	31
27	Neuroinvasion by scrapie following inoculation via the skin is independent of migratory Langerhans cells. *Journal of Virology*, **2005**, 79, 1888-97	6.6	25
26	The role of the immune system in TSE agent neuroinvasion **2005**, 119-139		
25	Prions and the blood and immune systems. *Haematologica*, **2005**, 90, 542-8	6.6	15
24	The complement system in prion diseases. *Current Opinion in Immunology*, **2004**, 16, 587-93	7.8	16
23	Scrapie transmission following exposure through the skin is dependent on follicular dendritic cells in lymphoid tissues. *Journal of Dermatological Science*, **2004**, 35, 101-11	4.3	32
22	Complement component C5 is not involved in scrapie pathogenesis. *Immunobiology*, **2004**, 209, 545-9	3.4	25
21	Follicular dendritic cell dedifferentiation by treatment with an inhibitor of the lymphotoxin pathway dramatically reduces scrapie susceptibility. *Journal of Virology*, **2003**, 77, 6845-54	6.6	122
20	Temporary blockade of the tumor necrosis factor receptor signaling pathway impedes the spread of scrapie to the brain. *Journal of Virology*, **2002**, 76, 5131-9	6.6	46
19	Follicular dendritic cells as targets for intervention in transmissible spongiform encephalopathies. *Seminars in Immunology*, **2002**, 14, 285-93	10.7	19
18	Migrating intestinal dendritic cells transport PrP(Sc) from the gut. *Journal of General Virology*, **2002**, 83, 267-271	4.9	150
17	Temporary depletion of complement component C3 or genetic deficiency of C1q significantly delays onset of scrapie. *Nature Medicine*, **2001**, 7, 485-7	50.5	183
16	The transmissible spongiform encephalopathies: pathogenic mechanisms and strategies for therapeutic intervention. *Expert Opinion on Therapeutic Targets*, **2001**, 5, 569-585	6.4	6

15	The immunobiology of TSE diseases. *Journal of General Virology*, **2001**, 82, 2307-2318	4.9	57
14	Follicular dendritic cells in TSE pathogenesis. *Trends in Immunology*, **2000**, 21, 442-6		49
13	Temporary inactivation of follicular dendritic cells delays neuroinvasion of scrapie. *Nature Medicine*, **2000**, 6, 719-20	50.5	194
12	Tumor necrosis factor alpha-deficient, but not interleukin-6-deficient, mice resist peripheral infection with scrapie. *Journal of Virology*, **2000**, 74, 3338-44	6.6	110
11	Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells. *Nature Medicine*, **1999**, 5, 1308-12	50.5	306
10	Nitric oxide produced in the lungs of mice immunized with the radiation-attenuated schistosome vaccine is not the major agent causing challenge parasite elimination. *Immunology*, **1998**, 93, 55-63	7.8	43
9	Involvement of the immune system in TSE pathogenesis. *Trends in Immunology*, **1998**, 19, 201-3		40
8	African trypanosome infections in mice that lack the interferon-gamma receptor gene: nitric oxide-dependent and -independent suppression of T-cell proliferative responses and the development of anaemia. *Immunology*, **1998**, 94, 476-80	7.8	37
7	T-lymphocyte activation and the cellular form of the prion protein. *Immunology*, **1997**, 92, 161-5	7.8	96
6	Nitric oxide-mediated suppression of T cell responses during Trypanosoma brucei infection: soluble trypanosome products and interferon-gamma are synergistic inducers of nitric oxide synthase. *European Journal of Immunology*, **1996**, 26, 539-43	6.1	60
5	Suppressor macrophages in Trypanosoma brucei infection: nitric oxide is related to both suppressive activity and lifespan in vivo. *Parasite Immunology*, **1995**, 17, 143-50	2.2	57
4	Bone marrow nitric oxide production and development of anemia in Trypanosoma brucei-infected mice. *Infection and Immunity*, **1995**, 63, 1563-6	3.7	52
3	Inhibition of nitric oxide synthesis leads to reduced parasitemia in murine Trypanosoma brucei infection. *Infection and Immunity*, **1994**, 62, 2135-7	3.7	53
2	M Cells1-9		
1	Complete microglia deficiency accelerates prion disease without enhancing CNS prion accumulation		1