

# Neil A Mabbott

## List of Publications by Citations

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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	Microfold (M) cells: important immunosurveillance posts in the intestinal epithelium. <i>Mucosal Immunology</i> , <b>2013</b> , 6, 666-77	9.2	395
121	Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells. <i>Nature Medicine</i> , <b>1999</b> , 5, 1308-12	50.5	306
120	Temporary inactivation of follicular dendritic cells delays neuroinvasion of scrapie. <i>Nature Medicine</i> , <b>2000</b> , 6, 719-20	50.5	194
119	Temporary depletion of complement component C3 or genetic deficiency of C1q significantly delays onset of scrapie. <i>Nature Medicine</i> , <b>2001</b> , 7, 485-7	50.5	183
118	An expression atlas of human primary cells: inference of gene function from coexpression networks. <i>BMC Genomics</i> , <b>2013</b> , 14, 632	4.5	171
117	Prions and their lethal journey to the brain. <i>Nature Reviews Microbiology</i> , <b>2006</b> , 4, 201-11	22.2	154
116	Migrating intestinal dendritic cells transport PrP(Sc) from the gut. <i>Journal of General Virology</i> , <b>2002</b> , 83, 267-271	4.9	150
115	Follicular dendritic cell dedifferentiation by treatment with an inhibitor of the lymphotoxin pathway dramatically reduces scrapie susceptibility. <i>Journal of Virology</i> , <b>2003</b> , 77, 6845-54	6.6	122
114	Salmonella transforms follicle-associated epithelial cells into M cells to promote intestinal invasion. <i>Cell Host and Microbe</i> , <b>2012</b> , 12, 645-56	23.4	119
113	Tumor necrosis factor alpha-deficient, but not interleukin-6-deficient, mice resist peripheral infection with scrapie. <i>Journal of Virology</i> , <b>2000</b> , 74, 3338-44	6.6	110
112	T-lymphocyte activation and the cellular form of the prion protein. <i>Immunology</i> , <b>1997</b> , 92, 161-5	7.8	96
111	Bovine cryptosporidiosis: impact, host-parasite interaction and control strategies. <i>Veterinary Research</i> , <b>2017</b> , 48, 42	3.8	90
110	Deletion of a Csf1r enhancer selectively impacts CSF1R expression and development of tissue macrophage populations. <i>Nature Communications</i> , <b>2019</b> , 10, 3215	17.4	90
109	Prion uptake in the gut: identification of the first uptake and replication sites. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002449	7.6	89
108	The role of CSF1R-dependent macrophages in control of the intestinal stem-cell niche. <i>Nature Communications</i> , <b>2018</b> , 9, 1272	17.4	86
107	Meta-analysis of lineage-specific gene expression signatures in mouse leukocyte populations. <i>Immunobiology</i> , <b>2010</b> , 215, 724-36	3.4	78
106	M cell-depletion blocks oral prion disease pathogenesis. <i>Mucosal Immunology</i> , <b>2012</b> , 5, 216-25	9.2	75

105	Type I interferon induces CXCL13 to support ectopic germinal center formation. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 621-637	16.6	73
104	Follicular dendritic cell-specific prion protein (PrP) expression alone is sufficient to sustain prion infection in the spleen. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002402	7.6	73
103	Antigen-presenting ILC3 regulate T cell-dependent IgA responses to colonic mucosal bacteria. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 728-742	16.6	68
102	Pleiotropic effects of extended blockade of CSF1R signaling in adult mice. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 96, 265-74	6.5	67
101	Characterisation of a novel Fc conjugate of macrophage colony-stimulating factor. <i>Molecular Therapy</i> , <b>2014</b> , 22, 1580-92	11.7	63
100	The functional maturation of M cells is dramatically reduced in the Peyer's patches of aged mice. <i>Mucosal Immunology</i> , <b>2013</b> , 6, 1027-37	9.2	63
99	An endogenous nanomineral chaperones luminal antigen and peptidoglycan to intestinal immune cells. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 361-9	28.7	62
98	The Characterization of Varicella Zoster Virus-Specific T Cells in Skin and Blood during Aging. <i>Journal of Investigative Dermatology</i> , <b>2015</b> , 135, 1752-1762	4.3	60
97	Nitric oxide-mediated suppression of T cell responses during <i>Trypanosoma brucei</i> infection: soluble trypanosome products and interferon-gamma are synergistic inducers of nitric oxide synthase. <i>European Journal of Immunology</i> , <b>1996</b> , 26, 539-43	6.1	60
96	Pleiotropic Impacts of Macrophage and Microglial Deficiency on Development in Rats with Targeted Mutation of the Locus. <i>Journal of Immunology</i> , <b>2018</b> , 201, 2683-2699	5.3	60
95	Role of the GALT in scrapie agent neuroinvasion from the intestine. <i>Journal of Immunology</i> , <b>2007</b> , 178, 3757-66	5.3	59
94	Sestrins induce natural killer function in senescent-like CD8 T cells. <i>Nature Immunology</i> , <b>2020</b> , 21, 684-694	9.1	58
93	Can DCs be distinguished from macrophages by molecular signatures?. <i>Nature Immunology</i> , <b>2013</b> , 14, 187-9	19.1	58
92	Suppressor macrophages in <i>Trypanosoma brucei</i> infection: nitric oxide is related to both suppressive activity and lifespan in vivo. <i>Parasite Immunology</i> , <b>1995</b> , 17, 143-50	2.2	57
91	The immunobiology of TSE diseases. <i>Journal of General Virology</i> , <b>2001</b> , 82, 2307-2318	4.9	57
90	Aging and the mucosal immune system in the intestine. <i>Biogerontology</i> , <b>2015</b> , 16, 133-45	4.5	56
89	In vivo depletion of CD11c+ cells impairs scrapie agent neuroinvasion from the intestine. <i>Journal of Immunology</i> , <b>2007</b> , 179, 7758-66	5.3	55
88	Inhibition of nitric oxide synthesis leads to reduced parasitemia in murine <i>Trypanosoma brucei</i> infection. <i>Infection and Immunity</i> , <b>1994</b> , 62, 2135-7	3.7	53

87	Bone marrow nitric oxide production and development of anemia in <i>Trypanosoma brucei</i> -infected mice. <i>Infection and Immunity</i> , <b>1995</b> , 63, 1563-6	3.7	52
86	Follicular dendritic cells in TSE pathogenesis. <i>Trends in Immunology</i> , <b>2000</b> , 21, 442-6		49
85	Expression of mesenchyme-specific gene signatures by follicular dendritic cells: insights from the meta-analysis of microarray data from multiple mouse cell populations. <i>Immunology</i> , <b>2011</b> , 133, 482-98	7.8	47
84	The effects of host age on follicular dendritic cell status dramatically impair scrapie agent neuroinvasion in aged mice. <i>Journal of Immunology</i> , <b>2009</b> , 183, 5199-207	5.3	47
83	Temporary blockade of the tumor necrosis factor receptor signaling pathway impedes the spread of scrapie to the brain. <i>Journal of Virology</i> , <b>2002</b> , 76, 5131-9	6.6	46
82	Enhancement of cutaneous immunity during aging by blocking p38 mitogen-activated protein (MAP) kinase-induced inflammation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 844-856	11.5	46
81	The Influence of Parasite Infections on Host Immunity to Co-infection With Other Pathogens. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2579	8.4	46
80	Nitric oxide produced in the lungs of mice immunized with the radiation-attenuated schistosome vaccine is not the major agent causing challenge parasite elimination. <i>Immunology</i> , <b>1998</b> , 93, 55-63	7.8	43
79	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. <i>PLoS ONE</i> , <b>2014</b> , 9, e105429	3.7	43
78	Involvement of the immune system in TSE pathogenesis. <i>Trends in Immunology</i> , <b>1998</b> , 19, 201-3		40
77	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. <i>Immunobiology</i> , <b>2011</b> , 216, 1228-37	3.4	39
76	Structural and functional changes to lymph nodes in ageing mice. <i>Immunology</i> , <b>2017</b> , 151, 239-247	7.8	37
75	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. <i>Immunology</i> , <b>1998</b> , 94, 476-80	7.8	37
74	Identification of co-expressed gene signatures in mouse B1, marginal zone and B2 B-cell populations. <i>Immunology</i> , <b>2014</b> , 141, 79-95	7.8	35
73	Influence of ageing on the microarchitecture of the spleen and lymph nodes. <i>Biogerontology</i> , <b>2017</b> , 18, 723-738	4.5	35
72	Prion disease and the innate immune system. <i>Viruses</i> , <b>2012</b> , 4, 3389-419	6.2	35
71	Macrophage colony-stimulating factor (CSF1) controls monocyte production and maturation and the steady-state size of the liver in pigs. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G533-47	5.1	33
70	Ageing adversely affects the migration and function of marginal zone B cells. <i>Immunology</i> , <b>2017</b> , 151, 349-362	7.8	32

69	Scrapie transmission following exposure through the skin is dependent on follicular dendritic cells in lymphoid tissues. <i>Journal of Dermatological Science</i> , <b>2004</b> , 35, 101-11	4.3	32
68	Follicular dendritic cell dedifferentiation reduces scrapie susceptibility following inoculation via the skin. <i>Immunology</i> , <b>2005</b> , 114, 225-34	7.8	31
67	Skin-derived dendritic cells acquire and degrade the scrapie agent following in vitro exposure. <i>Immunology</i> , <b>2005</b> , 116, 122-33	7.8	31
66	Increased Abundance of M Cells in the Gut Epithelium Dramatically Enhances Oral Prion Disease Susceptibility. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1006075	7.6	31
65	Reciprocal regulation of lymphoid tissue development in the large intestine by IL-25 and IL-23. <i>Mucosal Immunology</i> , <b>2015</b> , 8, 582-95	9.2	28
64	The Gut-Associated Lymphoid Tissues in the Small Intestine, Not the Large Intestine, Play a Major Role in Oral Prion Disease Pathogenesis. <i>Journal of Virology</i> , <b>2015</b> , 89, 9532-47	6.6	26
63	Development of in vitro enteroids derived from bovine small intestinal crypts. <i>Veterinary Research</i> , <b>2018</b> , 49, 54	3.8	26
62	CSF-1 receptor-mediated differentiation of a new type of monocytic cell with B cell-stimulating activity: its selective dependence on IL-34. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 95, 19-31	6.5	25
61	The effects of host age on the transport of complement-bound complexes to the spleen and the pathogenesis of intravenous scrapie infection. <i>Journal of Virology</i> , <b>2012</b> , 86, 25-35	6.6	25
60	Assessing the involvement of migratory dendritic cells in the transfer of the scrapie agent from the immune to peripheral nervous systems. <i>Journal of Neuroimmunology</i> , <b>2007</b> , 187, 114-25	3.5	25
59	Complement component C5 is not involved in scrapie pathogenesis. <i>Immunobiology</i> , <b>2004</b> , 209, 545-9	3.4	25
58	Neuroinvasion by scrapie following inoculation via the skin is independent of migratory Langerhans cells. <i>Journal of Virology</i> , <b>2005</b> , 79, 1888-97	6.6	25
57	Activated Peyer's patch B cells sample antigen directly from M cells in the subepithelial dome. <i>Nature Communications</i> , <b>2019</b> , 10, 2423	17.4	24
56	B cell-specific S1PR1 deficiency blocks prion dissemination between secondary lymphoid organs. <i>Journal of Immunology</i> , <b>2012</b> , 188, 5032-40	5.3	24
55	A breakdown in communication? Understanding the effects of aging on the human small intestine epithelium. <i>Clinical Science</i> , <b>2015</b> , 129, 529-31	6.5	22
54	How do PrP Prions Spread between Host Species, and within Hosts?. <i>Pathogens</i> , <b>2017</b> , 6,	4.5	21
53	Evidence of subclinical prion disease in aged mice following exposure to bovine spongiform encephalopathy. <i>Journal of General Virology</i> , <b>2014</b> , 95, 231-243	4.9	21
52	Oral Prion Disease Pathogenesis Is Impeded in the Specific Absence of CXCR5-Expressing Dendritic Cells. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	20

51	Isolated lymphoid follicle maturation induces the development of follicular dendritic cells. <i>Immunology</i> , <b>2007</b> , 120, 336-44	7.8	20
50	Pre/pro-B cells generate macrophage populations during homeostasis and inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E3954-E3963	11.5	19
49	Shiga toxin sub-type 2a increases the efficiency of Escherichia coli O157 transmission between animals and restricts epithelial regeneration in bovine enteroids. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1008003	7.6	19
48	Role of the draining lymph node in scrapie agent transmission from the skin. <i>Immunology Letters</i> , <b>2007</b> , 109, 64-71	4.1	19
47	Follicular dendritic cells as targets for intervention in transmissible spongiform encephalopathies. <i>Seminars in Immunology</i> , <b>2002</b> , 14, 285-93	10.7	19
46	Scrapie affects the maturation cycle and immune complex trapping by follicular dendritic cells in mice. <i>PLoS ONE</i> , <b>2009</b> , 4, e8186	3.7	16
45	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. <i>DNA Research</i> , <b>2012</b> , 19, 407-22	4.5	16
44	The complement system in prion diseases. <i>Current Opinion in Immunology</i> , <b>2004</b> , 16, 587-93	7.8	16
43	Discrimination of Prion Strain Targeting in the Central Nervous System via Reactive Astrocyte Heterogeneity in CD44 Expression. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 411	6.1	15
42	Ablation of the cellular prion protein, PrPC, specifically on follicular dendritic cells has no effect on their maturation or function. <i>Immunology</i> , <b>2013</b> , 138, 246-57	7.8	15
41	Prions and the blood and immune systems. <i>Haematologica</i> , <b>2005</b> , 90, 542-8	6.6	15
40	Microbial Stimulation Reverses the Age-Related Decline in M Cells in Aged Mice. <i>iScience</i> , <b>2020</b> , 23, 101147	6.7	14
39	Prion pathogenesis and secondary lymphoid organs (SLO): tracking the SLO spread of prions to the brain. <i>Prion</i> , <b>2012</b> , 6, 322-33	2.3	14
38	Derivation of marker gene signatures from human skin and their use in the interpretation of the transcriptional changes associated with dermatological disorders. <i>Journal of Pathology</i> , <b>2017</b> , 241, 600-614	6.4	13
37	Peripheral prion disease pathogenesis is unaltered in the absence of sialoadhesin (Siglec-1/CD169). <i>Immunology</i> , <b>2014</b> , 143, 120-9	7.8	13
36	Determining the role of mononuclear phagocytes in prion neuroinvasion from the skin. <i>Journal of Leukocyte Biology</i> , <b>2012</b> , 91, 817-28	6.5	12
35	Continued Bcl6 Expression Prevents the Transdifferentiation of Established Tfh Cells into Th1 Cells during Acute Viral Infection. <i>Cell Reports</i> , <b>2020</b> , 33, 108232	10.6	12
34	Antigen Sampling -Expressing Epithelial Cells Are the Functional Equivalents of Mammalian M Cells in the Avian Follicle-Associated Epithelium. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2495	8.4	12

33	Recruitment of inflammatory monocytes by senescent fibroblasts inhibits antigen-specific tissue immunity during human aging. <i>Nature Aging</i> , <b>2021</b> , 1, 101-113		11
32	The influence of the commensal and pathogenic gut microbiota on prion disease pathogenesis. <i>Journal of General Virology</i> , <b>2016</b> , 97, 1725-1738	4.9	10
31	Inside-out chicken enteroids with leukocyte component as a model to study host-pathogen interactions. <i>Communications Biology</i> , <b>2021</b> , 4, 377	6.7	10
30	The Priority position paper: Protecting Europe's food chain from prions. <i>Prion</i> , <b>2016</b> , 10, 165-81	2.3	10
29	Human prion diseases and the risk of their transmission during anatomical dissection. <i>Clinical Anatomy</i> , <b>2014</b> , 27, 821-32	2.5	9
28	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. <i>Immunology</i> , <b>2015</b> , 144, 34-44	7.8	9
27	The diverse roles of mononuclear phagocytes in prion disease pathogenesis. <i>Prion</i> , <b>2012</b> , 6, 124-33	2.3	8
26	Prion disease pathogenesis in the absence of the commensal microbiota. <i>Journal of General Virology</i> , <b>2017</b> , 98, 1943-1952	4.9	8
25	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. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, S88-S98	7	8
24	Immunology of Prion Protein and Prions. <i>Progress in Molecular Biology and Translational Science</i> , <b>2017</b> , 150, 203-240	4	7
23	Effect of co-infection with a small intestine-restricted helminth pathogen on oral prion disease pathogenesis in mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 6674	4.9	7
22	The role of the immune system in prion infection. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2018</b> , 153, 85-107	3	7
21	Effects of host-derived chemokines on the motility and viability of <i>Trypanosoma brucei</i> . <i>Parasite Immunology</i> , <b>2019</b> , 41, e12609	2.2	6
20	The transmissible spongiform encephalopathies: pathogenic mechanisms and strategies for therapeutic intervention. <i>Expert Opinion on Therapeutic Targets</i> , <b>2001</b> , 5, 569-585	6.4	6
19	Accelerated onset of CNS prion disease in mice co-infected with a gastrointestinal helminth pathogen during the preclinical phase. <i>Scientific Reports</i> , <b>2020</b> , 10, 4554	4.9	5
18	To the Skin and Beyond: The Immune Response to African Trypanosomes as They Enter and Exit the Vertebrate Host. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1250	8.4	5
17	Prion pathogenesis is unaltered following down-regulation of SIGN-R1. <i>Virology</i> , <b>2016</b> , 497, 337-345	3.6	5
16	Oral Prion Neuroinvasion Occurs Independently of PrP Expression in the Gut Epithelium. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	5

15	c-Rel is dispensable for the differentiation and functional maturation of M cells in the follicle-associated epithelium. <i>Immunobiology</i> , <b>2017</b> , 222, 316-326	3.4	5
14	The Effects of Immune System Modulation on Prion Disease Susceptibility and Pathogenesis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
13	Increased susceptibility to oral <i>Trichuris muris</i> infection in the specific absence of CXCR5 CD11c cells. <i>Parasite Immunology</i> , <b>2018</b> , 40, e12566	2.2	4
12	Vitamin D3 replacement enhances antigen-specific immunity in older adults. <i>Immunotherapy Advances</i> , <b>2021</b> , 1,		3
11	Complete microglia deficiency accelerates prion disease without enhancing CNS prion accumulation		1
10	Aging-Related Impairments to M Cells in Peyer's Patches Coincide With Disturbances to Paneth Cells. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 761949	8.4	1
9	Influence of the Draining Lymph Nodes and Organized Lymphoid Tissue Microarchitecture on Susceptibility to Intradermal Infection. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1118	8.4	0
8	The clinical correlates of vaccine-induced immune thrombotic thrombocytopenia after immunisation with adenovirus vector-based SARS-CoV-2 vaccines. <i>Immunotherapy Advances</i> , <b>2021</b> , 1, ltab019		0
7	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). <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1009942	7.6	0
6	The role of the immune system in TSE agent neuroinvasion <b>2005</b> , 119-139		
5	M Cells1-9		
4	Immunology of Prion Disease <b>2016</b> , 184-199		
3	Dermal bacterial LPS-stimulation reduces susceptibility to intradermal <i>Trypanosoma brucei</i> infection. <i>Scientific Reports</i> , <b>2021</b> , 11, 9856	4.9	
2	From Scientific Curiosity to Public Enemy Number One in Six Short Months. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005371	7.6	
1	Unaltered intravenous prion disease pathogenesis in the temporary absence of marginal zone B cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 19119	4.9	