

# Scott N Mueller

## List of Publications by Citations

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83  
papers

7,721  
citations

40  
h-index

87  
g-index

98  
ext. papers

9,422  
ext. citations

13.1  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
83	The developmental pathway for CD103(+)CD8+ tissue-resident memory T cells of skin. <i>Nature Immunology</i> , <b>2013</b> , 14, 1294-301	19.1	736
82	Tissue-resident memory T cells: local specialists in immune defence. <i>Nature Reviews Immunology</i> , <b>2016</b> , 16, 79-89	36.5	536
81	Memory T cell subsets, migration patterns, and tissue residence. <i>Annual Review of Immunology</i> , <b>2013</b> , 31, 137-61	34.7	524
80	Long-lived epithelial immunity by tissue-resident memory T (TRM) cells in the absence of persisting local antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 7037-42	11.5	408
79	The CD8alpha(+) dendritic cell is responsible for inducing peripheral self-tolerance to tissue-associated antigens. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 1099-104	16.6	406
78	Different patterns of peripheral migration by memory CD4+ and CD8+ T cells. <i>Nature</i> , <b>2011</b> , 477, 216-9	50.4	395
77	Stromal cell contributions to the homeostasis and functionality of the immune system. <i>Nature Reviews Immunology</i> , <b>2009</b> , 9, 618-29	36.5	377
76	High antigen levels are the cause of T cell exhaustion during chronic viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 8623-8	11.5	259
75	Liver-Resident Memory CD8 T Cells Form a Front-Line Defense against Malaria Liver-Stage Infection. <i>Immunity</i> , <b>2016</b> , 45, 889-902	32.3	231
74	Regulation of homeostatic chemokine expression and cell trafficking during immune responses. <i>Science</i> , <b>2007</b> , 317, 670-4	33.3	211
73	Progression of armed CTL from draining lymph node to spleen shortly after localized infection with herpes simplex virus 1. <i>Journal of Immunology</i> , <b>2002</b> , 168, 834-8	5.3	203
72	Persistence of skin-resident memory T cells within an epidermal niche. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5307-12	11.5	196
71	Local proliferation maintains a stable pool of tissue-resident memory T cells after antiviral recall responses. <i>Nature Immunology</i> , <b>2018</b> , 19, 183-191	19.1	187
70	Enhancing therapeutic vaccination by blocking PD-1-mediated inhibitory signals during chronic infection. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 543-55	16.6	184
69	Viral targeting of fibroblastic reticular cells contributes to immunosuppression and persistence during chronic infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 15430-5	11.5	184
68	Targeting antigen to mouse dendritic cells via Clec9A induces potent CD4 T cell responses biased toward a follicular helper phenotype. <i>Journal of Immunology</i> , <b>2011</b> , 187, 842-50	5.3	163
67	Rapid cytotoxic T lymphocyte activation occurs in the draining lymph nodes after cutaneous herpes simplex virus infection as a result of early antigen presentation and not the presence of virus. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 195, 651-6	16.6	163

66	Spatiotemporally Distinct Interactions with Dendritic Cell Subsets Facilitates CD4+ and CD8+ T Cell Activation to Localized Viral Infection. <i>Immunity</i> , <b>2015</b> , 43, 554-65	32.3	158
65	Aire regulates the transfer of antigen from mTECs to dendritic cells for induction of thymic tolerance. <i>Blood</i> , <b>2011</b> , 118, 2462-72	2.2	153
64	Tissue-resident memory CD8 T cells promote melanoma-immune equilibrium in skin. <i>Nature</i> , <b>2019</b> , 565, 366-371	50.4	149
63	Characterization of two TCR transgenic mouse lines specific for herpes simplex virus. <i>Immunology and Cell Biology</i> , <b>2002</b> , 80, 156-63	5	115
62	Skin CD4(+) memory T cells exhibit combined cluster-mediated retention and equilibration with the circulation. <i>Nature Communications</i> , <b>2016</b> , 7, 11514	17.4	115
61	Migratory CD11b conventional dendritic cells induce T follicular helper cell-dependent antibody responses. <i>Science Immunology</i> , <b>2017</b> , 2,	28	114
60	DOCK8 regulates lymphocyte shape integrity for skin antiviral immunity. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 2549-66	16.6	109
59	PD-L1 has distinct functions in hematopoietic and nonhematopoietic cells in regulating T cell responses during chronic infection in mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 2508-15	15.9	107
58	Intraclonal Plasticity in Mammary Tumors Revealed through Large-Scale Single-Cell Resolution 3D Imaging. <i>Cancer Cell</i> , <b>2019</b> , 35, 618-632.e6	24.3	74
57	Chemokine Receptor-Dependent Control of Skin Tissue-Resident Memory T Cell Formation. <i>Journal of Immunology</i> , <b>2017</b> , 199, 2451-2459	5.3	73
56	Peripheral tissue surveillance and residency by memory T cells. <i>Trends in Immunology</i> , <b>2013</b> , 34, 27-32	14.4	68
55	CD4(+) T-cell help amplifies innate signals for primary CD8(+) T-cell immunity. <i>Immunological Reviews</i> , <b>2016</b> , 272, 52-64	11.3	68
54	Infection Programs Sustained Lymphoid Stromal Cell Responses and Shapes Lymph Node Remodeling upon Secondary Challenge. <i>Cell Reports</i> , <b>2017</b> , 18, 406-418	10.6	57
53	Tissue-resident ductal macrophages survey the mammary epithelium and facilitate tissue remodelling. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 546-558	23.4	55
52	Tissue-resident T cells: dynamic players in skin immunity. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 332	8.4	55
51	Short-term inhibition of p53 combined with keratinocyte growth factor improves thymic epithelial cell recovery and enhances T-cell reconstitution after murine bone marrow transplantation. <i>Blood</i> , <b>2010</b> , 115, 1088-97	2.2	55
50	Lymphoid stroma in the initiation and control of immune responses. <i>Immunological Reviews</i> , <b>2008</b> , 224, 284-94	11.3	55
49	Maintenance of T cell function in the face of chronic antigen stimulation and repeated reactivation for a latent virus infection. <i>Journal of Immunology</i> , <b>2012</b> , 188, 2173-8	5.3	50

48	Targeting Antigen to Clec9A Primes Follicular Th Cell Memory Responses Capable of Robust Recall. <i>Journal of Immunology</i> , <b>2015</b> , 195, 1006-14	5.3	49
47	Cerebral Malaria in Mouse and Man. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2016	8.4	49
46	Cutting edge: prolonged antigen presentation after herpes simplex virus-1 skin infection. <i>Journal of Immunology</i> , <b>2004</b> , 173, 2241-4	5.3	48
45	Chimeric influenza virus hemagglutinin proteins containing large domains of the Bacillus anthracis protective antigen: protein characterization, incorporation into infectious influenza viruses, and antigenicity. <i>Journal of Virology</i> , <b>2005</b> , 79, 10003-12	6.6	48
44	Distinct APC subtypes drive spatially segregated CD4+ and CD8+ T-cell effector activity during skin infection with HSV-1. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004303	7.6	45
43	Immunization with live attenuated influenza viruses that express altered NS1 proteins results in potent and protective memory CD8+ T-cell responses. <i>Journal of Virology</i> , <b>2010</b> , 84, 1847-55	6.6	40
42	Dermal regulatory T cells display distinct migratory behavior that is modulated during adaptive and innate inflammation. <i>Journal of Immunology</i> , <b>2013</b> , 191, 3049-56	5.3	34
41	CD4+ T cells can protect APC from CTL-mediated elimination. <i>Journal of Immunology</i> , <b>2006</b> , 176, 7379-84	5.3	33
40	The early expression of glycoprotein B from herpes simplex virus can be detected by antigen-specific CD8+ T cells. <i>Journal of Virology</i> , <b>2003</b> , 77, 2445-51	6.6	32
39	Qualitatively different memory CD8+ T cells are generated after lymphocytic choriomeningitis virus and influenza virus infections. <i>Journal of Immunology</i> , <b>2010</b> , 185, 2182-90	5.3	29
38	Stromal cell networks coordinate immune response generation and maintenance. <i>Immunological Reviews</i> , <b>2018</b> , 283, 77-85	11.3	26
37	The Interplay Between Lymphatic Vessels and Chemokines. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 518	8.4	25
36	Effector T-cell responses in non-lymphoid tissues: insights from in vivo imaging. <i>Immunology and Cell Biology</i> , <b>2013</b> , 91, 290-6	5	21
35	Adrenergic regulation of the vasculature impairs leukocyte interstitial migration and suppresses immune responses. <i>Immunity</i> , <b>2021</b> , 54, 1219-1230.e7	32.3	19
34	Neutrophils are dispensable in the modulation of T cell immunity against cutaneous HSV-1 infection. <i>Scientific Reports</i> , <b>2017</b> , 7, 41091	4.9	17
33	Genome-wide functional analysis reveals central signaling regulators of lymphatic endothelial cell migration and remodeling. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	17
32	Effector and stem-like memory cell fates are imprinted in distinct lymph node niches directed by CXCR3 ligands. <i>Nature Immunology</i> , <b>2021</b> , 22, 434-448	19.1	16
31	Discrete tissue microenvironments instruct diversity in resident memory T cell function and plasticity. <i>Nature Immunology</i> , <b>2021</b> , 22, 1140-1151	19.1	14

30	Display of Native Antigen on cDC1 That Have Spatial Access to Both T and B Cells Underlies Efficient Humoral Vaccination. <i>Journal of Immunology</i> , <b>2020</b> , 205, 1842-1856	5.3	13
29	Optimization of TCR transgenic T cells for in vivo tracking of immune responses. <i>Immunology and Cell Biology</i> , <b>2007</b> , 85, 394-6	5	12
28	Immune responses to viruses <b>2008</b> , 421-431		11
27	Sphingosine 1-phosphate receptor 5 (S1PR5) regulates the peripheral retention of tissue-resident lymphocytes. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	11
26	Intravital microscopy of dynamic single-cell behavior in mouse mammary tissue. <i>Nature Protocols</i> , <b>2021</b> , 16, 1907-1935	18.8	11
25	Identification of a MHC I-restricted epitope of DsRed in C57BL/6 mice. <i>Molecular Immunology</i> , <b>2013</b> , 53, 450-2	4.3	10
24	T cell and dendritic cell interactions in lymphoid organs: More than just being in the right place at the right time. <i>Immunological Reviews</i> , <b>2019</b> , 289, 115-128	11.3	9
23	In vivo imaging of the T cell response to infection. <i>Current Opinion in Immunology</i> , <b>2010</b> , 22, 293-8	7.8	9
22	Understanding T cell phenotype for the design of effective chimeric antigen receptor T cell therapies <b>2021</b> , 9,		9
21	Spreading the load: Antigen transfer between migratory and lymph node-resident dendritic cells promotes T-cell priming. <i>European Journal of Immunology</i> , <b>2017</b> , 47, 1798-1801	6.1	8
20	Hair follicles: gatekeepers to the epidermis. <i>Nature Immunology</i> , <b>2012</b> , 13, 715-7	19.1	8
19	Kinetics of major histocompatibility class I antigen presentation in acute infection. <i>Journal of Immunology</i> , <b>2009</b> , 182, 902-11	5.3	5
18	Systemic Inflammation Suppresses Lymphoid Tissue Remodeling and B Cell Immunity during Concomitant Local Infection. <i>Cell Reports</i> , <b>2020</b> , 33, 108567	10.6	5
17	Scavenging of soluble and immobilized CCL21 by ACKR4 regulates peripheral dendritic cell emigration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
16	CD8 and CD4 T Cells Infiltrate into the Brain during ANKA Infection and Form Long-Term Resident Memory. <i>Journal of Immunology</i> , <b>2021</b> , 207, 1578-1590	5.3	4
15	Skin DCs cluster for efficient T cell activation. <i>Nature Immunology</i> , <b>2014</b> , 15, 1004-5	19.1	3
14	Low-dose IL-2 therapy invigorates CD8+ T cells for viral control in systemic lupus erythematosus. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009858	7.6	3
13	Host Defenses to Viruses <b>2019</b> , 365-374.e1		2

12	Moving beyond velocity: Opportunities and challenges to quantify immune cell behavior. <i>Immunological Reviews</i> , <b>2021</b> ,	11.3	2
11	MHC Class II Ubiquitination Regulates Dendritic Cell Function and Immunity. <i>Journal of Immunology</i> , <b>2021</b> , 207, 2255-2264	5.3	2
10	IL-17 instructs lymphoid stromal cells. <i>Nature Immunology</i> , <b>2019</b> , 20, 524-526	19.1	1
9	Some vexations that challenge viral immunology. <i>F1000Research</i> , <b>2016</b> , 5,	3.6	1
8	A diverse fibroblastic stromal cell landscape in the spleen directs tissue homeostasis and immunity.. <i>Science Immunology</i> , <b>2022</b> , 7, eabj0641	28	1
7	Host defenses to viruses <b>2013</b> , 346-355		1
6	IL-2 stromal signatures dissect immunotherapy response groups in non-small cell lung cancer (NSCLC)		1
5	Isolation and Analysis of Stromal Cell Populations from Mouse Lymph Nodes. <i>Bio-protocol</i> , <b>2017</b> , 7, e2445.9		0
4	Differential location of NKT and MAIT cells within lymphoid tissue.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4034	4.9	0
3	Corneal tissue-resident memory T cells form a unique immune compartment at the ocular surface. <i>Cell Reports</i> , <b>2022</b> , 39, 110852	10.6	0
2	DOCK8 regulates lymphocyte shape integrity for skin antiviral immunity. <i>Journal of Cell Biology</i> , <b>2014</b> , 207, 207501A223	7.3	
1	Persistence of Virus-Specific Antibody after Depletion of Memory B Cells.. <i>Journal of Virology</i> , <b>2022</b> , e0062622		