

Kenneth M Murphy

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132
papers

29,566
citations

68
h-index

160
g-index

160
ext. papers

33,621
ext. citations

19.1
avg, IF

6.99
L-index

#	Paper	IF	Citations
132	Functional diversity of helper T lymphocytes. <i>Nature</i> , 1996 , 383, 787-93	50.4	3684
131	Interleukin 17-producing CD4+ effector T cells develop via a lineage distinct from the T helper type 1 and 2 lineages. <i>Nature Immunology</i> , 2005 , 6, 1123-32	19.1	3636
130	The lineage decisions of helper T cells. <i>Nature Reviews Immunology</i> , 2002 , 2, 933-44	36.5	1357
129	Batf3 deficiency reveals a critical role for CD8alpha+ dendritic cells in cytotoxic T cell immunity. <i>Science</i> , 2008 , 322, 1097-100	33.3	1285
128	Th17: an effector CD4 T cell lineage with regulatory T cell ties. <i>Immunity</i> , 2006 , 24, 677-688	32.3	1149
127	Dendritic cell regulation of TH1-TH2 development. <i>Nature Immunology</i> , 2000 , 1, 199-205	19.1	931
126	A validated regulatory network for Th17 cell specification. <i>Cell</i> , 2012 , 151, 289-303	56.2	794
125	T-bet is a STAT1-induced regulator of IL-12R expression in naïve CD4+ T cells. <i>Nature Immunology</i> , 2002 , 3, 549-57	19.1	739
124	Host type I IFN signals are required for antitumor CD8+ T cell responses through CD8{alpha}+ dendritic cells. <i>Journal of Experimental Medicine</i> , 2011 , 208, 2005-16	16.6	735
123	Type I interferon is selectively required by dendritic cells for immune rejection of tumors. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1989-2003	16.6	676
122	Stat6-independent GATA-3 autoactivation directs IL-4-independent Th2 development and commitment. <i>Immunity</i> , 2000 , 12, 27-37	32.3	573
121	Peripheral CD103+ dendritic cells form a unified subset developmentally related to CD8alpha+ conventional dendritic cells. <i>Journal of Experimental Medicine</i> , 2010 , 207, 823-36	16.6	551
120	Signaling and transcription in T helper development. <i>Annual Review of Immunology</i> , 2000 , 18, 451-94	34.7	548
119	Ly6C hi monocytes in the inflamed colon give rise to proinflammatory effector cells and migratory antigen-presenting cells. <i>Immunity</i> , 2012 , 37, 1076-90	32.3	481
118	B and T lymphocyte attenuator regulates T cell activation through interaction with herpesvirus entry mediator. <i>Nature Immunology</i> , 2005 , 6, 90-8	19.1	472
117	Commensal-dendritic-cell interaction specifies a unique protective skin immune signature. <i>Nature</i> , 2015 , 520, 104-8	50.4	451
116	The AP-1 transcription factor Batf controls T(H)17 differentiation. <i>Nature</i> , 2009 , 460, 405-9	50.4	435

115	Zbtb46 expression distinguishes classical dendritic cells and their committed progenitors from other immune lineages. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1135-52	16.6	410
114	Developmental commitment to the Th2 lineage by extinction of IL-12 signaling. <i>Immunity</i> , 1995 , 2, 665-75	52.3	383
113	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , 2017 , 47, 1584-1797	6.1	359
112	Effector T cell plasticity: flexibility in the face of changing circumstances. <i>Nature Immunology</i> , 2010 , 11, 674-80	19.1	354
111	Re(de)fining the dendritic cell lineage. <i>Nature Immunology</i> , 2012 , 13, 1145-54	19.1	323
110	Role for Spi-C in the development of red pulp macrophages and splenic iron homeostasis. <i>Nature</i> , 2009 , 457, 318-21	50.4	297
109	BATF-JUN is critical for IRF4-mediated transcription in T cells. <i>Nature</i> , 2012 , 490, 543-6	50.4	297
108	Compensatory dendritic cell development mediated by BATF-IRF interactions. <i>Nature</i> , 2012 , 490, 502-7	50.4	293
107	Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching-and-effacing bacterial pathogens. <i>Nature Immunology</i> , 2013 , 14, 937-48	19.1	272
106	CD8 ⁺ dendritic cells are the critical source of interleukin-12 that controls acute infection by <i>Toxoplasma gondii</i> tachyzoites. <i>Immunity</i> , 2011 , 35, 249-59	32.3	272
105	Heme-mediated SPI-C induction promotes monocyte differentiation into iron-recycling macrophages. <i>Cell</i> , 2014 , 156, 1223-1234	56.2	258
104	The transcription factor BATF controls the global regulators of class-switch recombination in both B cells and T cells. <i>Nature Immunology</i> , 2011 , 12, 536-43	19.1	248
103	Canonical Wnt signaling is required for development of embryonic stem cell-derived mesoderm. <i>Development (Cambridge)</i> , 2006 , 133, 3787-96	6.6	248
102	A genomic regulatory element that directs assembly and function of immune-specific AP-1-IRF complexes. <i>Science</i> , 2012 , 338, 975-80	33.3	246
101	Klf4 expression in conventional dendritic cells is required for T helper 2 cell responses. <i>Immunity</i> , 2015 , 42, 916-28	32.3	244
100	Transcriptional Control of Dendritic Cell Development. <i>Annual Review of Immunology</i> , 2016 , 34, 93-119	34.7	239
99	Specificity through cooperation: BATF-IRF interactions control immune-regulatory networks. <i>Nature Reviews Immunology</i> , 2013 , 13, 499-509	36.5	233
98	CD103 ⁺ pulmonary dendritic cells preferentially acquire and present apoptotic cell-associated antigen. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1789-97	16.6	230

97	Batf3 maintains autoactivation of Irf8 for commitment of a CD8(+) conventional DC clonogenic progenitor. <i>Nature Immunology</i> , 2015 , 16, 708-17	19.1	226
96	Balancing co-stimulation and inhibition with BTLA and HVEM. <i>Nature Reviews Immunology</i> , 2006 , 6, 671-81.5	36.5	223
95	IL-18-stimulated GADD45 beta required in cytokine-induced, but not TCR-induced, IFN-gamma production. <i>Nature Immunology</i> , 2001 , 2, 157-64	19.1	220
94	Functions of Murine Dendritic Cells. <i>Immunity</i> , 2016 , 45, 719-736	32.3	191
93	DNGR-1 is a specific and universal marker of mouse and human Batf3-dependent dendritic cells in lymphoid and nonlymphoid tissues. <i>Blood</i> , 2012 , 119, 6052-62	2.2	182
92	Distinct contributions of Aire and antigen-presenting-cell subsets to the generation of self-tolerance in the thymus. <i>Immunity</i> , 2014 , 41, 414-426	32.3	179
91	Cross-presenting CD103+ dendritic cells are protected from influenza virus infection. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4037-47	15.9	177
90	The pancreas anatomy conditions the origin and properties of resident macrophages. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1497-512	16.6	173
89	Induction of interferon-gamma production in Th1 CD4+ T cells: evidence for two distinct pathways for promoter activation. <i>European Journal of Immunology</i> , 1999 , 29, 548-55	6.1	166
88	Distinct and complementary functions of MDA5 and TLR3 in poly(I:C)-mediated activation of mouse NK cells. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2967-76	16.6	162
87	Mesp1 coordinately regulates cardiovascular fate restriction and epithelial-mesenchymal transition in differentiating ESCs. <i>Cell Stem Cell</i> , 2008 , 3, 55-68	18	161
86	Selective loss of type I interferon-induced STAT4 activation caused by a minisatellite insertion in mouse Stat2. <i>Nature Immunology</i> , 2000 , 1, 65-9	19.1	159
85	CD8(+) dendritic cells are an obligate cellular entry point for productive infection by <i>Listeria monocytogenes</i> . <i>Immunity</i> , 2011 , 35, 236-48	32.3	140
84	A distal conserved sequence element controls Ifng gene expression by T cells and NK cells. <i>Immunity</i> , 2006 , 25, 717-29	32.3	139
83	From IL-10 to IL-12: how pathogens and their products stimulate APCs to induce T(H)1 development. <i>Nature Immunology</i> , 2009 , 10, 929-32	19.1	125
82	CX3CR1+ CD8alpha+ dendritic cells are a steady-state population related to plasmacytoid dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14745-50	11.5	123
81	Dendritic Cell Paucity Leads to Dysfunctional Immune Surveillance in Pancreatic Cancer. <i>Cancer Cell</i> , 2020 , 37, 289-307.e9	24.3	118
80	WDFY4 is required for cross-presentation in response to viral and tumor antigens. <i>Science</i> , 2018 , 362, 694-699	33.3	115

79	Distinct Transcriptional Programs Control Cross-Priming in Classical and Monocyte-Derived Dendritic Cells. <i>Cell Reports</i> , 2016 , 15, 2462-74	10.6	106
78	Distinct dendritic cell subsets dictate the fate decision between effector and memory CD8(+) T cell differentiation by a CD24-dependent mechanism. <i>Immunity</i> , 2014 , 40, 400-13	32.3	102
77	Batf3-dependent CD11b(low/-) peripheral dendritic cells are GM-CSF-independent and are not required for Th cell priming after subcutaneous immunization. <i>PLoS ONE</i> , 2011 , 6, e25660	3.7	95
76	An instructive component in T helper cell type 2 (Th2) development mediated by GATA-3. <i>Journal of Experimental Medicine</i> , 2001 , 193, 643-50	16.6	95
75	cDC1 prime and are licensed by CD4 T cells to induce anti-tumour immunity. <i>Nature</i> , 2020 , 584, 624-629	50.4	94
74	A minor subset of Batf3-dependent antigen-presenting cells in islets of Langerhans is essential for the development of autoimmune diabetes. <i>Immunity</i> , 2014 , 41, 657-69	32.3	91
73	Transcriptional control of dendritic cell development. <i>Advances in Immunology</i> , 2013 , 120, 239-67	5.6	91
72	A temporal role of type I interferon signaling in CD8+ T cell maturation during acute West Nile virus infection. <i>PLoS Pathogens</i> , 2011 , 7, e1002407	7.6	84
71	Friend of GATA-1 represses GATA-3-dependent activity in CD4+ T cells. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1461-71	16.6	78
70	Origin, development, and homeostasis of tissue-resident macrophages. <i>Immunological Reviews</i> , 2014 , 262, 25-35	11.3	74
69	Regulation of monocyte cell fate by blood vessels mediated by Notch signalling. <i>Nature Communications</i> , 2016 , 7, 12597	17.4	73
68	Migratory CD103+ dendritic cells suppress helminth-driven type 2 immunity through constitutive expression of IL-12. <i>Journal of Experimental Medicine</i> , 2016 , 213, 35-51	16.6	72
67	Batf3 transcription factor-dependent DC subsets in murine CMV infection: differential impact on T-cell priming and memory inflation. <i>European Journal of Immunology</i> , 2011 , 41, 2612-8	6.1	72
66	Snail and the microRNA-200 family act in opposition to regulate epithelial-to-mesenchymal transition and germ layer fate restriction in differentiating ESCs. <i>Stem Cells</i> , 2011 , 29, 764-76	5.8	68
65	Oral Antibiotic Treatment of Mice Exacerbates the Disease Severity of Multiple Flavivirus Infections. <i>Cell Reports</i> , 2018 , 22, 3440-3453.e6	10.6	65
64	Mafb lineage tracing to distinguish macrophages from other immune lineages reveals dual identity of Langerhans cells. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2553-2565	16.6	64
63	Genetic models of human and mouse dendritic cell development and function. <i>Nature Reviews Immunology</i> , 2021 , 21, 101-115	36.5	63
62	Quality of TCR signaling determined by differential affinities of enhancers for the composite BATF-IRF4 transcription factor complex. <i>Nature Immunology</i> , 2017 , 18, 563-572	19.1	60

61	L-Myc expression by dendritic cells is required for optimal T-cell priming. <i>Nature</i> , 2014 , 507, 243-7	50.4	58
60	Identification of cooperative monomeric Brachyury sites conferring T-bet responsiveness to the proximal IFN-gamma promoter. <i>International Immunology</i> , 2003 , 15, 1149-60	4.9	56
59	Functional redundancy between thymic CD8 α^+ and Sirp α^+ conventional dendritic cells in presentation of blood-derived lysozyme by MHC class II proteins. <i>Journal of Immunology</i> , 2011 , 186, 1421-31	5.3	53
58	CD8 α^+ T cells from a novel T cell receptor transgenic mouse induce liver-stage immunity that can be boosted by blood-stage infection in rodent malaria. <i>PLoS Pathogens</i> , 2014 , 10, e1004135	7.6	52
57	Cryptic activation of an Irf8 enhancer governs cDC1 fate specification. <i>Nature Immunology</i> , 2019 , 20, 1161-1173	19.1	51
56	infection drives conversion of NK cells into ILC1-like cells. <i>ELife</i> , 2019 , 8,	8.9	50
55	Cross-dressed CD8 α^+ /CD103 $^+$ dendritic cells prime CD8 α^+ T cells following vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12716-21	11.5	49
54	An Nfil3-Zeb2-Id2 pathway imposes Irf8 enhancer switching during cDC1 development. <i>Nature Immunology</i> , 2019 , 20, 1174-1185	19.1	46
53	RAB43 facilitates cross-presentation of cell-associated antigens by CD8 α^+ dendritic cells. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2871-2883	16.6	46
52	Role of the Stat4 N domain in receptor proximal tyrosine phosphorylation. <i>Molecular and Cellular Biology</i> , 2000 , 20, 7121-31	4.8	45
51	Transcription factor networks in dendritic cell development. <i>Seminars in Immunology</i> , 2011 , 23, 388-97	10.7	44
50	Opposing Roles of Dendritic Cell Subsets in Experimental GN. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 138-154	12.7	44
49	Cross-presenting dendritic cells are required for control of Leishmania major infection. <i>European Journal of Immunology</i> , 2014 , 44, 1422-32	6.1	42
48	Transcription factor Zeb2 regulates commitment to plasmacytoid dendritic cell and monocyte fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14775-14780	11.5	40
47	Complementary diversification of dendritic cells and innate lymphoid cells. <i>Current Opinion in Immunology</i> , 2014 , 29, 69-78	7.8	37
46	Unexpected characteristics of the IFN-gamma reporters in nontransformed T cells. <i>Journal of Immunology</i> , 2001 , 167, 855-65	5.3	37
45	The role of cDC1s : CD8 T cell priming through cross-presentation. <i>F1000Research</i> , 2017 , 6, 98	3.6	36
44	MHC class I cross-presentation by dendritic cells counteracts viral immune evasion. <i>Frontiers in Immunology</i> , 2012 , 3, 348	8.4	34

43	Notch2-dependent DC2s mediate splenic germinal center responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10726-10731	11.5	33
42	A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGF-Mediated Recruitment of Neutrophils. <i>Immunity</i> , 2019 , 50, 1069-1083.e8	32.3	31
41	RAG-mediated DNA double-strand breaks activate a cell type-specific checkpoint to inhibit pre-B cell receptor signals. <i>Journal of Experimental Medicine</i> , 2016 , 213, 209-23	16.6	31
40	Host-derived CD8+ dendritic cells are required for induction of optimal graft-versus-tumor responses after experimental allogeneic bone marrow transplantation. <i>Blood</i> , 2013 , 121, 4231-41	2.2	30
39	Development, Diversity, and Function of Dendritic Cells in Mouse and Human. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	29
38	Bcl11a controls Flt3 expression in early hematopoietic progenitors and is required for pDC development in vivo. <i>PLoS ONE</i> , 2013 , 8, e64800	3.7	29
37	-Dependent Genes Control Tumor Rejection Induced by Dendritic Cells Independently of Cross-Presentation. <i>Cancer Immunology Research</i> , 2019 , 7, 29-39	12.5	28
36	Altered compensatory cytokine signaling underlies the discrepancy between and mice. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1417-1435	16.6	27
35	Genetic vaccines to potentiate the effective CD103+ dendritic cell-mediated cross-priming of antitumor immunity. <i>Journal of Immunology</i> , 2015 , 194, 5937-47	5.3	24
34	Immune correlates of tuberculosis disease and risk translate across species. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	24
33	Snail promotes the cell-autonomous generation of Flk1(+) endothelial cells through the repression of the microRNA-200 family. <i>Stem Cells and Development</i> , 2012 , 21, 167-76	4.4	24
32	Deficiency of transcription factor RelB perturbs myeloid and DC development by hematopoietic-extrinsic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3957-3962	11.5	19
31	High Amount of Transcription Factor IRF8 Engages AP1-IRF Composite Elements in Enhancers to Direct Type 1 Conventional Dendritic Cell Identity. <i>Immunity</i> , 2020 , 53, 759-774.e9	32.3	18
30	Cutting Edge: Roles for Batf3-Dependent APCs in the Rejection of Minor Histocompatibility Antigen-Mismatched Grafts. <i>Journal of Immunology</i> , 2015 , 195, 46-50	5.3	14
29	Cutting Edge: Origins, Recruitment, and Regulation of CD11c Cells in Inflamed Islets of Autoimmune Diabetes Mice. <i>Journal of Immunology</i> , 2017 , 199, 27-32	5.3	13
28	RAG-Mediated DNA Breaks Attenuate PU.1 Activity in Early B Cells through Activation of a SPIC-BCLAF1 Complex. <i>Cell Reports</i> , 2019 , 29, 829-843.e5	10.6	11
27	Chikungunya Virus Evades Antiviral CD8 T Cell Responses To Establish Persistent Infection in Joint-Associated Tissues. <i>Journal of Virology</i> , 2020 , 94,	6.6	10
26	Models of dendritic cell development correlate ontogeny with function. <i>Advances in Immunology</i> , 2019 , 143, 99-119	5.6	10

25	Comment on "Activation of Ectenin in dendritic cells regulates immunity versus tolerance in the intestine". <i>Science</i> , 2011 , 333, 405; author reply 405	33.3	10
24	Fate vs choice: the immune system reloaded. <i>Immunologic Research</i> , 2005 , 32, 193-200	4.3	10
23	Shared Transcriptional Control of Innate Lymphoid Cell and Dendritic Cell Development. <i>Annual Review of Cell and Developmental Biology</i> , 2019 , 35, 381-406	12.6	9
22	Dendritic cells in cancer immunology. <i>Cellular and Molecular Immunology</i> , 2021 ,	15.4	9
21	Revisiting the specificity of the MHC class II transactivator CIITA in classical murine dendritic cells in vivo. <i>European Journal of Immunology</i> , 2017 , 47, 1317-1323	6.1	8
20	Therapeutic potential of B and T lymphocyte attenuator expressed on CD8+ T cells for contact hypersensitivity. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 702-711	4.3	8
19	Expression of the transcription factor ZBTB46 distinguishes human histiocytic disorders of classical dendritic cell origin. <i>Modern Pathology</i> , 2018 , 31, 1479-1486	9.8	7
18	The MYCL and MXD1 transcription factors regulate the fitness of murine dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4885-4893	11.5	6
17	Tuning T Cell Signaling Sensitivity Alters the Behavior of CD4 T Cells during an Immune Response. <i>Journal of Immunology</i> , 2018 , 200, 3429-3437	5.3	6
16	Permission to proceed: Jak3 and STAT5 signaling molecules give the green light for T helper 1 cell differentiation. <i>Immunity</i> , 2008 , 28, 725-7	32.3	6
15	Commensal <i>Cryptosporidium</i> colonization elicits a cDC1-dependent Th1 response that promotes intestinal homeostasis and limits other infections. <i>Immunity</i> , 2021 , 54, 2547-2564.e7	32.3	4
14	Differential usage of transcriptional repressor Zeb2 enhancers distinguishes adult and embryonic hematopoiesis. <i>Immunity</i> , 2021 , 54, 1417-1432.e7	32.3	4
13	Gut <i>Helicobacter</i> presentation by multiple dendritic cell subsets enables context-specific regulatory T cell generation. <i>ELife</i> , 2021 , 10,	8.9	3
12	Ablation of cDC2 development by triple mutations within the Zeb2 enhancer. <i>Nature</i> ,	50.4	3
11	Database searches for binding sites. <i>Science</i> , 2000 , 288, 2319	33.3	2
10	Transition from cMyc to L-Myc during dendritic cell development coordinated by rising levels of IRF8.. <i>Journal of Experimental Medicine</i> , 2022 , 219,	16.6	2
9	cDC1 Coordinate Innate and Adaptive Responses in the Omentum required for T cell Priming and Memory		1
8	BCL6-dependent TCF-1+ progenitor cells maintain effector and helper CD4 T cell responses to persistent antigen		1

7	The conventional dendritic cell 1 subset primes CD8+ T cells and traffics tumor antigen to drive anti-tumor immunity in the brain	1
6	New tricks from an old master. <i>Immunity</i> , 2012 , 37, 591-3	32.3
5	Cytokine mimicry with an immunologic reformation: the discovery of a decade. <i>Journal of Immunology</i> , 2012 , 189, 2069-71	5.3
4	IMMU-26. UNRAVELING ANTIGEN PRESENTATION IN CENTRAL NERVOUS SYSTEM ANTI-TUMOR IMMUNITY. <i>Neuro-Oncology</i> , 2020 , 22, ii110-ii110	1
3	Herpesvirus Entry Mediator and Cytomegalovirus ORF UL144 bind a common region of B and T Lymphocyte Attenuator. <i>FASEB Journal</i> , 2008 , 22, 1070.28	0.9
2	ERM, an ETS Transcription Factor, Is Crucial for Folliculogenesis and Ovulation in Mice.. <i>Biology of Reproduction</i> , 2008 , 78, 128-128	3.9
1	Batf3-Dependent CD11b ^{low} /I ⁺ Peripheral Dendritic Cells Are GM-CSF-Independent and Are Not Required for Th Cell Priming After Subcutaneous Immunization. <i>Blood</i> , 2011 , 118, 1113-1113	2.2