Cornelis Murre

List of Publications by Year in Descending Order

60 papers	11,047 citations	37 h-index	65 g-index
65 ext. papers	14,420 ext. citations	18.4 avg, IF	6.03 L-index

#	Paper	IF	Citations
60	Bursty gene expression and mRNA decay pathways orchestrate B cell activation. *Science Advances*, **2021**, 7, eabm0819	14.3	0
59	Spatial Organization of Chromatin: Transcriptional Control of Adaptive Immune Cell Development. *Frontiers in Immunology*, **2021**, 12, 633825	8.4	5
58	Calcium signaling instructs NIPBL recruitment at active enhancers and promoters via distinct mechanisms to reconstruct genome compartmentalization. *Genes and Development*, **2021**, 35, 65-81	12.6	7
57	FOXO1 constrains activation and regulates senescence in CD8 T cells. *Cell Reports*, **2021**, 34, 108674	10.6	8
56	The E protein-TCF1 axis controls T cell development and effector fate. *Cell Reports*, **2021**, 34, 108716	10.6	2
55	Early precursors and molecular determinants of tissue-resident memory CD8 T lymphocytes revealed by single-cell RNA sequencing. *Science Immunology*, **2020**, 5,	28	50
54	Upon microbial challenge, human neutrophils undergo rapid changes in nuclear architecture and chromatin folding to orchestrate an immediate inflammatory gene program. *Genes and Development*, **2020**, 34, 149-165	12.6	10
53	Plasma Cell Fate Is Orchestrated by Elaborate Changes in Genome Compartmentalization and Inter-chromosomal Hubs. *Cell Reports*, **2020**, 31, 107470	10.6	8
52	Heterogeneity and clonal relationships of adaptive immune cells in ulcerative colitis revealed by single-cell analyses. *Science Immunology*, **2020**, 5,	28	30
51	Chromosome dynamics near the sol-gel phase transition dictate the timing of remote genomic interactions. *Nature Communications*, **2019**, 10, 2771	17.4	50
50	CHD4 is essential for transcriptional repression and lineage progression in B lymphopoiesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 10927-10936	11.5	11
49	Helix-loop-helix proteins and the advent of cellular diversity: 30 years of discovery. *Genes and Development*, **2019**, 33, 6-25	12.6	43
48	Big bang of B-cell development revealed. *Genes and Development*, **2018**, 32, 93-95	12.6	1
47	Id Proteins Suppress E2A-Driven Invariant Natural Killer T Cell Development prior to TCR Selection. *Frontiers in Immunology*, **2018**, 9, 42	8.4	4
46	Comprehensive characterization of neutrophil genome topology. *Genes and Development*, **2017**, 31, 141-158	12.6	42
45	The E-Id Protein Axis Specifies Adaptive Lymphoid Cell Identity and Suppresses Thymic Innate Lymphoid Cell Development. *Immunity*, **2017**, 46, 818-834.e4	32.3	51
44	Non-coding Transcription Instructs Chromatin Folding and Compartmentalization to Dictate Enhancer-Promoter Communication and T Cell Fate. *Cell*, **2017**, 171, 103-119.e18	56.2	144

43	CCCTC-Binding Factor Translates Interleukin 2- and -Ketoglutarate-Sensitive Metabolic Changes in T Cells into Context-Dependent Gene Programs. *Immunity*, **2017**, 47, 251-267.e7	32.3	50
42	Nuclear positioning rather than contraction controls ordered rearrangements of immunoglobulin loci. *Nucleic Acids Research*, **2016**, 44, 175-86	20.1	8
41	Id3 Orchestrates Germinal Center B Cell Development. *Molecular and Cellular Biology*, **2016**, 36, 2543-52	4.8	15
40	AID targeting: old mysteries and new challenges. *Trends in Immunology*, **2015**, 36, 527-35	14.4	40
39	Ensuring an equal playing field for antigen receptor loci variable regions. *Journal of Experimental Medicine*, **2015**, 212, 2	16.6	2
38	New roles for DNA cytosine modification, eRNA, anchors, and superanchors in developing B cell progenitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 12776-81	11.5	39
37	The E-Id protein axis modulates the activities of the PI3K-AKT-mTORC1-Hif1a and c-myc/p19Arf pathways to suppress innate variant TFH cell development, thymocyte expansion, and lymphomagenesis. *Genes and Development*, **2015**, 29, 409-25	12.6	30
36	A Common Mechanism that Underpins Antibody Diversification. *Cell*, **2015**, 163, 1055-1056	56.2	3
35	The chromatin remodeler Brg1 activates enhancer repertoires to establish B cell identity and modulate cell growth. *Nature Immunology*, **2015**, 16, 775-84	19.1	75
34	Id2 and Id3 maintain the regulatory T cell pool to suppress inflammatory disease. *Nature Immunology*, **2014**, 15, 767-76	19.1	82
33	3D trajectories adopted by coding and regulatory DNA elements: first-passage times for genomic interactions. *Cell*, **2014**, 158, 339-352	56.2	165
32	The establishment of B versus T cell identity. *Trends in Immunology*, **2014**, 35, 205-10	14.4	30
31	B cell super-enhancers and regulatory clusters recruit AID tumorigenic activity. *Cell*, **2014**, 159, 1524-37	56.2	186
30	Positive intergenic feedback circuitry, involving EBF1 and FOXO1, orchestrates B-cell fate. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 21028-33	11.5	74
29	Chromatin topology and the regulation of antigen receptor assembly. *Annual Review of Immunology*, **2012**, 30, 337-56	34.7	71
28	Global changes in the nuclear positioning of genes and intra- and interdomain genomic interactions that orchestrate B cell fate. *Nature Immunology*, **2012**, 13, 1196-204	19.1	206
27	The transcriptional regulators Id2 and Id3 control the formation of distinct memory CD8+ T cell subsets. *Nature Immunology*, **2011**, 12, 1221-9	19.1	254
26	A global network of transcription factors, involving E2A, EBF1 and Foxo1, that orchestrates B cell fate. *Nature Immunology*, **2010**, 11, 635-43	19.1	376

25	Simple combinations of lineage-determining transcription factors prime cis-regulatory elements required for macrophage and B cell identities. *Molecular Cell*, **2010**, 38, 576-89	17.6	6339
24	Global approaches to identify novel participants that modulate intestinal epithelial cell development. *Developmental Cell*, **2010**, 19, 647-8	10.2	
23	Distinct roles for E12 and E47 in B cell specification and the sequential rearrangement of immunoglobulin light chain loci. *Journal of Experimental Medicine*, **2009**, 206, 2271-84	16.6	64
22	Chromatin architecture and the generation of antigen receptor diversity. *Cell*, **2009**, 138, 435-48	56.2	108
21	Defining the pathways of early adult hematopoiesis. *Cell Stem Cell*, **2007**, 1, 357-8	18	10
20	Epigenetics of antigen-receptor gene assembly. *Current Opinion in Genetics and Development*, **2007**, 17, 415-21	4.9	9
19	E proteins and Notch signaling cooperate to promote T cell lineage specification and commitment. *Journal of Experimental Medicine*, **2006**, 203, 1329-42	16.6	154
18	Helix-loop-helix proteins and lymphocyte development. *Nature Immunology*, **2005**, 6, 1079-86	19.1	262
17	Visualization of looping involving the immunoglobulin heavy-chain locus in developing B cells. *Genes and Development*, **2005**, 19, 322-7	12.6	148
16	Receptor editing and marginal zone B cell development are regulated by the helix-loop-helix protein, E2A. *Journal of Experimental Medicine*, **2004**, 199, 1101-12	16.6	73
15	Early B cell factor cooperates with Runx1 and mediates epigenetic changes associated with mb-1 transcription. *Nature Immunology*, **2004**, 5, 1069-77	19.1	148
14	E2A proteins enforce a proliferation checkpoint in developing thymocytes. *EMBO Journal*, **2004**, 23, 202-11	11	84
13	E-proteins directly regulate expression of activation-induced deaminase in mature B cells. *Nature Immunology*, **2003**, 4, 586-93	19.1	200
12	Regulation of the helix-loop-helix proteins, E2A and Id3, by the Ras-ERK MAPK cascade. *Nature Immunology*, **2001**, 2, 165-71	19.1	226
11	The regulation and function of the Id proteins in lymphocyte development. *Oncogene*, **2001**, 20, 8308-16	9.2	69
10	Induction of a diverse T cell receptor gamma/delta repertoire by the helix-loop-helix proteins E2A and HEB in nonlymphoid cells. *Journal of Experimental Medicine*, **2001**, 193, 769-76	16.6	35
9	Localized gene-specific induction of accessibility to V(D)J recombination induced by E2A and early B cell factor in nonlymphoid cells. *Journal of Experimental Medicine*, **2001**, 194, 645-56	16.6	87
8	Early thymocyte development is regulated by modulation of E2A protein activity. *Journal of Experimental Medicine*, **2001**, 194, 733-45	16.6	147

7	Intertwining proteins in thymocyte development and cancer. *Nature Immunology*, **2000**, 1, 97-8	19.1	19
6	E2A and EBF act in synergy with the V(D)J recombinase to generate a diverse immunoglobulin repertoire in nonlymphoid cells. *Molecular Cell*, **2000**, 5, 343-53	17.6	178
5	Positive and negative regulation of V(D)J recombination by the E2A proteins. *Journal of Experimental Medicine*, **1999**, 189, 289-300	16.6	99
4	E2A activity is induced during B-cell activation to promote immunoglobulin class switch recombination. *EMBO Journal*, **1999**, 18, 6307-18	13	116
3	The role of E-proteins in B- and T-lymphocyte development. *Seminars in Immunology*, **1998**, 10, 143-53	10.7	75
2	Induction of early B cell factor (EBF) and multiple B lineage genes by the basic helix-loop-helix transcription factor E12. *Journal of Experimental Medicine*, **1998**, 188, 699-713	16.6	219
1	An inter-chromosomal transcription hub activates the unfolded protein response in plasma cells		1