Andreas Dahl

List of Publications by Year in Descending Order

126 papers	19,499 citations	38 h-index	139 g-index
150 ext. papers	25,549 ext. citations	11.6 avg, IF	6.15 L-index

#	Paper	IF	Citations
126	Loss of histone methyltransferase SETD1B in oogenesis results in the redistribution of genomic histone 3 lysine 4 trimethylation.. *Nucleic Acids Research*, **2022**,	20.1	2
125	Convergent and lineage-specific genomic differences in limb regulatory elements in limbless reptile lineages.. *Cell Reports*, **2022**, 38, 110280	10.6	1
124	Reproducibility of 10x Genomics single cell RNA sequencing method in the immune cell environment.. *Journal of Immunological Methods*, **2022**, 502, 113227	2.5	1
123	A common framework of monocyte-derived macrophage activation.. *Science Immunology*, **2022**, 7, eabl7482	18	3
122	Isolation of macrophages from mouse skin wounds for single-cell RNA sequencing.. *STAR Protocols*, **2022**, 3, 101337	1.4	
121	MLL1 is required for maintenance of intestinal stem cells. *PLoS Genetics*, **2021**, 17, e1009250	6	0
120	Odontoblast TRPC5 channels signal cold pain in teeth. *Science Advances*, **2021**, 7,	14.3	12
119	Low Threshold for Cutaneous Allergen Sensitization but No Spontaneous Dermatitis or Atopy in FLG-Deficient Mice. *Journal of Investigative Dermatology*, **2021**, 141, 2611-2619.e2	4.3	2
118	Transcriptional profile of AvrRpt2-mediated resistance and susceptibility response to Erwinia amylovora in apple. *Scientific Reports*, **2021**, 11, 8685	4.9	1
117	Deep Learning Improves Pancreatic Cancer Diagnosis Using RNA-Based Variants. *Cancers*, **2021**, 13,	6.6	2
116	Environmental enrichment preserves a young DNA methylation landscape in the aged mouse hippocampus. *Nature Communications*, **2021**, 12, 3892	17.4	6
115	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories towards type 2 diabetes. *Nature Metabolism*, **2021**, 3, 1017-1031	14.6	13
114	Loss of hepatic Mboat7 leads to liver fibrosis. *Gut*, **2021**, 70, 940-950	19.2	35
113	ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. *Cell Stem Cell*, **2021**, 28, 300-314.e6	18	20
112	Cre-Controlled CRISPR mutagenesis provides fast and easy conditional gene inactivation in zebrafish. *Nature Communications*, **2021**, 12, 1125	17.4	14
111	The RNA binding protein human antigen R is a gatekeeper of liver homeostasis. *Hepatology*, **2021**,	11.2	2
110	Reactive oligodendrocyte progenitor cells (re-)myelinate the regenerating zebrafish spinal cord. *Development (Cambridge)*, **2020**, 147,	6.6	7

109	Exome sequencing identifies frequent genomic loss of TET1 in IDH-wild-type glioblastoma. *Neoplasia*, **2020**, 22, 800-808	6.4	1
108	Single cell sequencing of radial glia progeny reveals the diversity of newborn neurons in the adult zebrafish brain. *Development (Cambridge)*, **2020**, 147,	6.6	27
107	Type 1 Interleukin-4 Signaling Obliterates Mouse Astroglia but Not. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 114	5.7	8
106	A smart polymer for sequence-selective binding, pulldown, and release of DNA targets. *Communications Biology*, **2020**, 3, 369	6.7	4
105	MLL4 is required after implantation, whereas MLL3 becomes essential during late gestation. *Development (Cambridge)*, **2020**, 147,	6.6	6
104	Antigen-reactive regulatory T cells can be expanded in vitro with monocytes and anti-CD28 and anti-CD154 antibodies. *Cytotherapy*, **2020**, 22, 629-641	4.8	2
103	Continuous mitotic activity of primitive hematopoietic stem cells in adult mice. *Journal of Experimental Medicine*, **2020**, 217,	16.6	12
102	Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. *Cell*, **2020**, 183, 771-785.e12	56.2	86
101	MicroRNA profiling of mouse cortical progenitors and neurons reveals miR-486-5p as a regulator of neurogenesis. *Development (Cambridge)*, **2020**, 147,	6.6	2
100	Hematopoietic stem cell response to acute thrombocytopenia requires signaling through distinct receptor tyrosine kinases. *Blood*, **2019**, 134, 1046-1058	2.2	7
99	Aldh1b1 expression defines progenitor cells in the adult pancreas and is required for Kras-induced pancreatic cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 20679-20688	11.5	25
98	Controlling distinct signaling states in cultured cancer cells provides a new platform for drug discovery. *FASEB Journal*, **2019**, 33, 9235-9249	0.9	3
97	Single-Cell Transcriptomics Analyses of Neural Stem Cell Heterogeneity and Contextual Plasticity in a Zebrafish Brain Model of Amyloid Toxicity. *Cell Reports*, **2019**, 27, 1307-1318.e3	10.6	42
96	Comparative RNAi Screens in Isogenic Human Stem Cells Reveal SMARCA4 as a Differential Regulator. *Stem Cell Reports*, **2019**, 12, 1084-1098	8	5
95	Molecular fungal community and its decomposition activity in sapwood and heartwood of 13 temperate European tree species. *PLoS ONE*, **2019**, 14, e0212120	3.7	32
94	Renin cells with defective Gs⍺cAMP signaling contribute to renal endothelial damage. *Pflugers Archiv European Journal of Physiology*, **2019**, 471, 1205-1217	4.6	4
93	Prospective isolation of nonhematopoietic cells of the niche and their differential molecular interactions with HSCs. *Blood*, **2019**, 134, 1214-1226	2.2	18
92	Gene Expression-Based Identification of Antigen-Responsive CD8 T Cells on a Single-Cell Level. *Frontiers in Immunology*, **2019**, 10, 2568	8.4	12

91	Silenced ZNF154 Is Associated with Longer Survival in Resectable Pancreatic Cancer. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
90	Sequence and expression levels of circular RNAs in progenitor cell types during mouse corticogenesis. *Life Science Alliance*, **2019**, 2,	5.8	5
89	IGF2BP1 promotes SRF-dependent transcription in cancer in a m6A- and miRNA-dependent manner. *Nucleic Acids Research*, **2019**, 47, 375-390	20.1	153
88	T-cell receptor-repertoire of CD8+ T cells following allogeneic stem cell transplantation using next-generation sequencing. *Haematologica*, **2019**, 104, 622-631	6.6	14
87	Insm1 Induces Neural Progenitor Delamination in Developing Neocortex via Downregulation of the Adherens Junction Belt-Specific Protein Plekha7. *Neuron*, **2018**, 97, 1299-1314.e8	13.9	49
86	The genome of Schmidtea mediterranea and the evolution of core cellular mechanisms. *Nature*, **2018**, 554, 56-61	50.4	113
85	SETD1A protects HSCs from activation-induced functional decline in vivo. *Blood*, **2018**, 131, 1311-1324	2.2	27
84	The axolotl genome and the evolution of key tissue formation regulators. *Nature*, **2018**, 554, 50-55	50.4	279
83	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. *Cell*, **2018**, 172, 147-161.e12	56.2	417
82	Although Abundant in Tumor Tissue, Mast Cells Have No Effect on Immunological Micro-milieu or Growth of HPV-Induced or Transplanted Tumors. *Cell Reports*, **2018**, 22, 27-35	10.6	10
81	Assessment of the T cell receptor repertoire in long-term platelet donors by next generation sequencing. *British Journal of Haematology*, **2018**, 181, 389-391	4.5	1
80	The complete and fully assembled genome sequence of Aeromonas salmonicida subsp. pectinolytica and its comparative analysis with other Aeromonas species: investigation of the mobilome in environmental and pathogenic strains. *BMC Genomics*, **2018**, 19, 20	4.5	15
79	Bacteria inhabiting deadwood of 13 tree species are heterogeneously distributed between sapwood and heartwood. *Environmental Microbiology*, **2018**, 20, 3744-3756	5.2	26
78	Whole exome sequencing identifies mTOR and KEAP1 as potential targets for radiosensitization of HNSCC cells refractory to EGFR and integrin inhibition. *Oncotarget*, **2018**, 9, 18099-18114	3.3	11
77	Systems biology of the IMIDIA biobank from organ donors and pancreatectomised patients defines a novel transcriptomic signature of islets from individuals with type 2 diabetes. *Diabetologia*, **2018**, 61, 641-657	10.3	84
76	The genome of the tegu lizard Salvator merianae: combining Illumina, PacBio, and optical mapping data to generate a highly contiguous assembly. *GigaScience*, **2018**, 7,	7.6	15
75	Kmt2b conveys monovalent and bivalent H3K4me3 in mouse spermatogonial stem cells at germline and embryonic promoters. *Development (Cambridge)*, **2018**, 145,	6.6	14
74	Epigenomic map of human liver reveals principles of zonated morphogenic and metabolic control. *Nature Communications*, **2018**, 9, 4150	17.4	37

73	Hematopoietic Stem Cells but Not Multipotent Progenitors Drive Erythropoiesis during Chronic Erythroid Stress in EPO Transgenic Mice. *Stem Cell Reports*, **2018**, 10, 1908-1919	8	14
72	3D Culture Method for Alzheimer's Disease Modeling Reveals Interleukin-4 Rescues A42-Induced Loss of Human Neural Stem Cell Plasticity. *Developmental Cell*, **2018**, 46, 85-101.e8	10.2	69
71	Clonal Analysis Delineates Transcriptional Programs of Osteogenic and Adipogenic Lineages of Adult Mouse Skeletal Progenitors. *Stem Cell Reports*, **2018**, 11, 212-227	8	5
70	The H3K4 methyltransferase Setd1b is essential for hematopoietic stem and progenitor cell homeostasis in mice. *ELife*, **2018**, 7,	8.9	17
69	Effects of different management regimes on microbial biodiversity in vineyard soils. *Scientific Reports*, **2018**, 8, 9393	4.9	48
68	Limitations and challenges of genetic barcode quantification. *Scientific Reports*, **2017**, 7, 43249	4.9	25
67	, encoding a histone 3 lysine 4 methyltransferase, is a maternal effect gene required for the oogenic gene expression program. *Development (Cambridge)*, **2017**, 144, 2606-2617	6.6	36
66	Dual redundant sequencing strategy: Full-length gene characterisation of 1056 novel and confirmatory HLA alleles. *Hla*, **2017**, 90, 79-87	1.9	47
65	An Engineered Virus Library as a Resource for the Spectrum-wide Exploration of Virus and Vector Diversity. *Cell Reports*, **2017**, 19, 1698-1709	10.6	30
64	Donor cell leukemia: evidence for multiple preleukemic clones and parallel long term clonal evolution in donor and recipient. *Leukemia*, **2017**, 31, 1637-1640	10.7	24
63	CD8 T cells specific for the islet autoantigen IGRP are restricted in their T cell receptor chain usage. *Scientific Reports*, **2017**, 7, 44661	4.9	14
62	Zebrafish In-Vivo Screening for Compounds Amplifying Hematopoietic Stem and Progenitor Cells: - Preclinical Validation in Human CD34+ Stem and Progenitor Cells. *Scientific Reports*, **2017**, 7, 12084	4.9	9
61	T cell receptor repertoires after adoptive transfer of expanded allogeneic regulatory T cells. *Clinical and Experimental Immunology*, **2017**, 187, 316-324	6.2	16
60	Clonal competition in BcrAbl-driven leukemia: how transplantations can accelerate clonal conversion. *Molecular Cancer*, **2017**, 16, 120	42.1	1
59	Neurotrophin Receptor p75NTR Regulates Immune Function of Plasmacytoid Dendritic Cells. *Frontiers in Immunology*, **2017**, 8, 981	8.4	9
58	Primary Spinal OPC Culture System from Adult Zebrafish to Study Oligodendrocyte Differentiation. *Frontiers in Cellular Neuroscience*, **2017**, 11, 284	6.1	10
57	Pancreas lineage allocation and specification are regulated by sphingosine-1-phosphate signalling. *PLoS Biology*, **2017**, 15, e2000949	9.7	20
56	TDRD6 mediates early steps of spliceosome maturation in primary spermatocytes. *PLoS Genetics*, **2017**, 13, e1006660	6	12

55	Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. *Journal of Immunology*, **2016**, 197, 2157-66	5.3	43
54	IL4/STAT6 Signaling Activates Neural Stem Cell Proliferation and Neurogenesis upon Amyloid-β42 Aggregation in Adult Zebrafish Brain. *Cell Reports*, **2016**, 17, 941-948	10.6	77
53	Abundant cytomegalovirus (CMV) reactive clonotypes in the CD8(+) T cell receptor alpha repertoire following allogeneic transplantation. *Clinical and Experimental Immunology*, **2016**, 184, 389-402	6.2	20
52	Aldehyde dehydrogenase activity is necessary for beta cell development and functionality in mice. *Diabetologia*, **2016**, 59, 139-150	10.3	9
51	Identification of Tox chromatin binding properties and downstream targets by DamID-Seq. *Genomics Data*, **2016**, 7, 264-8		4
50	Chromatoid Body Protein TDRD6 Supports Long 3' UTR Triggered Nonsense Mediated mRNA Decay. *PLoS Genetics*, **2016**, 12, e1005857	6	32
49	Human-specific gene ARHGAP11B promotes basal progenitor amplification and neocortex expansion. *Science*, **2015**, 347, 1465-70	33.3	347
48	CCND1-CDK4-mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. *Journal of Experimental Medicine*, **2015**, 212, 1171-83	16.6	32
47	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. *Cell Stem Cell*, **2015**, 17, 719-734	18	111
46	SAMHD1 prevents autoimmunity by maintaining genome stability. *Annals of the Rheumatic Diseases* , **2015**, 74, e17	2.4	103
45	RNAi profiling of primary human AML cells identifies ROCK1 as a therapeutic target and nominates fasudil as an antileukemic drug. *Blood*, **2015**, 125, 3760-8	2.2	41
44	Detection of low frequency variants of the NLRP3 gene in □mutation- negative□CAPS patients using massive parallel sequencing. *Pediatric Rheumatology*, **2015**, 13,	3.5	78
43	Defective removal of ribonucleotides from DNA promotes systemic autoimmunity. *Journal of Clinical Investigation*, **2015**, 125, 413-24	15.9	139
42	Identification and expression patterns of novel long non-coding RNAs in neural progenitors of the developing mammalian cortex. *Neurogenesis (Austin, Tex)*, **2015**, 2, e995524		9
41	Regulation of liver metabolism by the endosomal GTPase Rab5. *Cell Reports*, **2015**, 11, 884-892	10.6	32
40	Tox: a multifunctional transcription factor and novel regulator of mammalian corticogenesis. *EMBO Journal*, **2015**, 34, 896-910	13	28
39	High diversity in the TCR repertoire of GAD65 autoantigen-specific human CD4+ T cells. *Journal of Immunology*, **2015**, 194, 2531-8	5.3	37
38	CCND1□CDK4□mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. *Journal of Cell Biology*, **2015**, 210, 2102OIA144	7.3	

37	The age and genomic integrity of neurons after cortical stroke in humans. *Nature Neuroscience*, **2014**, 17, 801-3	25.5	88
36	Clonal expansion capacity defines two consecutive developmental stages of long-term hematopoietic stem cells. *Journal of Experimental Medicine*, **2014**, 211, 209-15	16.6	63
35	Multiplexing clonality: combining RGB marking and genetic barcoding. *Nucleic Acids Research*, **2014**, 42, e56	20.1	39
34	The earliest transcribed zygotic genes are short, newly evolved, and different across species. *Cell Reports*, **2014**, 6, 285-92	10.6	121
33	Reactivating head regrowth in a regeneration-deficient planarian species. *Nature*, **2013**, 500, 81-4	50.4	121
32	Mouse SAMHD1 has antiretroviral activity and suppresses a spontaneous cell-intrinsic antiviral response. *Cell Reports*, **2013**, 4, 689-96	10.6	113
31	Transcriptome sequencing during mouse brain development identifies long non-coding RNAs functionally involved in neurogenic commitment. *EMBO Journal*, **2013**, 32, 3145-60	13	163
30	The histone demethylase UTX regulates stem cell migration and hematopoiesis. *Blood*, **2013**, 121, 2462-73	22	80
29	PW02-026 - Low frequency variants of NLRP3 in CAPS patients. *Pediatric Rheumatology*, **2013**, 11, A167	3.5	78
28	The 1000 Genomes Project: data management and community access. *Nature Methods*, **2012**, 9, 459-62	21.6	202
27	Hsp90 inhibition differentially destabilises MAP kinase and TGF-beta signalling components in cancer cells revealed by kinase-targeted chemoproteomics. *BMC Cancer*, **2012**, 12, 38	4.8	36
26	Genome-wide DNA methylation events in TMPRSS2-ERG fusion-negative prostate cancers implicate an EZH2-dependent mechanism with miR-26a hypermethylation. *Cancer Discovery*, **2012**, 2, 1024-35	24.4	107
25	MsLDR-creator: a web service to design msLDR assays. *Molecular Genetics and Genomics*, **2012**, 287, 273-4	3.1	
24	The functional spectrum of low-frequency coding variation. *Genome Biology*, **2011**, 12, R84	18.3	161
23	Analysis of 4 single-nucleotide polymorphisms in relation to cervical dysplasia and cancer development using a high-throughput ligation-detection reaction procedure. *International Journal of Gynecological Cancer*, **2011**, 21, 1664-71	3.5	14
22	Mapping copy number variation by population-scale genome sequencing. *Nature*, **2011**, 470, 59-65	50.4	833
21	Variation in genome-wide mutation rates within and between human families. *Nature Genetics*, **2011**, 43, 712-4	36.3	404
20	Methylation-specific ligation detection reaction (msLDR): a new approach for multiplex evaluation of methylation patterns. *Molecular Genetics and Genomics*, **2011**, 286, 279-91	3.1	6

19	The variant call format and VCFtools. *Bioinformatics*, **2011**, 27, 2156-8	7.2	6200
18	Demographic history and rare allele sharing among human populations. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 11983-8	11.5	455
17	A map of human genome variation from population-scale sequencing. *Nature*, **2010**, 467, 1061-73	50.4	6142
16	Identity-by-descent filtering of exome sequence data identifies PIGV mutations in hyperphosphatasia mental retardation syndrome. *Nature Genetics*, **2010**, 42, 827-9	36.3	250
15	A flexible multiwell format for immunofluorescence screening microscopy of small-molecule inhibitors. *Assay and Drug Development Technologies*, **2010**, 8, 571-80	2.1	2
14	High-throughput Universal Probe Salmonella Serotyping (UPSS) by nanoPCR. *Journal of Microbiological Methods*, **2010**, 83, 217-23	2.8	7
13	Diversity of human copy number variation and multicopy genes. *Science*, **2010**, 330, 641-6	33.3	491
12	Ecophysiology of food-borne pathogens: Essential knowledge to improve food safety. *International Journal of Food Microbiology*, **2010**, 139 Suppl 1, S64-78	5.8	18
11	The application of massively parallel sequencing technologies in diagnostics. *F1000 Biology Reports*, **2010**, 2, 59		4
10	Quantitative PCR based expression analysis on a nanoliter scale using polymer nano-well chips. *Biomedical Microdevices*, **2007**, 9, 307-14	3.7	28
9	Matrix-assisted laser desorption/ionization mass spectrometric analysis of DNA on microarrays. *Clinical Chemistry*, **2006**, 52, 1303-10	5.5	6
8	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis. *Journal of Chromatography A*, **2004**, 1049, 9-16	4.5	8
7	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis **2004**, 1049, 9-9		5
6	Automated solid-phase extraction for purification of single nucleotide polymorphism genotyping products prior to matrix-assisted laser desorption/ionisation time-of-flight mass spectrometric analysis. *Journal of Chromatography A*, **2004**, 1049, 9-16	4.5	
5	Instructive starPEG-Heparin biohybrid 3D cultures for modeling human neural stem cell plasticity, neurogenesis, and neurodegeneration		5
4	A smart polymer for sequence-selective binding, pulldown, and release of DNA targets		1
3	Redox potential defines functional states of adult hippocampal stem cells		2
2	Proliferative behavior of hematopoietic stem cells revisited: No evidence for mitotic memory		1

List of Publications

1 Loss of SETD1B results in the redistribution of genomic H3K4me3 in the oocyte 1