

# Marco J Herold

## List of Publications by Year in descending order

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Version: 2024-02-01

119  
papers

8,719  
citations

61984

43  
h-index

48315

88  
g-index

130  
all docs

130  
docs citations

130  
times ranked

14460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absence of pro-survival A1 has no impact on inflammatory cell survival in vivo during acute lung inflammation and peritonitis. <i>Cell Death and Differentiation</i> , 2022, 29, 96-104.	11.2	7
2	<i>In vivo</i> genome editing screen identifies tumor suppressor genes that cooperate with <i>Trp53</i> loss during mammary tumorigenesis. <i>Molecular Oncology</i> , 2022, 16, 1119-1131.	4.6	6
3	Loss of TRP53 reduces but does not overcome dependency of lymphoma cells on MCL-1. <i>Cell Death and Differentiation</i> , 2022, 29, 1074-1076.	11.2	3
4	Interferon- $\beta$ primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway. <i>Immunity</i> , 2022, 55, 423-441.e9.	14.3	61
5	Removal of BFL-1 sensitises some melanoma cells to killing by BH3 mimetic drugs. <i>Cell Death and Disease</i> , 2022, 13, 301.	6.3	1
6	Case Study: CRISPR 101 – a novel online learning course harnessing innovative ways to teach a complex biomolecular technology. <i>Essays in Biochemistry</i> , 2022, , .	4.7	1
7	Ubiquitin-like protein 3 (UBL3) is required for MARCH ubiquitination of major histocompatibility complex class II and CD86. <i>Nature Communications</i> , 2022, 13, 1934.	12.8	13
8	Ubiquitylation of RIPK3 beyond-the-RHIM can limit RIPK3 activity and cell death. <i>IScience</i> , 2022, 25, 104632.	4.1	3
9	Epigenetic modulators of B cell fate identified through coupled phenotype-transcriptome analysis. <i>Cell Death and Differentiation</i> , 2022, 29, 2519-2530.	11.2	5
10	The transcription factor IRF4 represses proapoptotic BMF and BIM to licence multiple myeloma survival. <i>Leukemia</i> , 2021, 35, 2114-2118.	7.2	18
11	CRISPR base editing applications for identifying cancer-driving mutations. <i>Biochemical Society Transactions</i> , 2021, 49, 269-280.	3.4	8
12	Myelodysplasia Syndrome, Clonal Hematopoiesis and Cardiovascular Disease. <i>Cancers</i> , 2021, 13, 1968.	3.7	9
13	Ptpn2 and KLRG1 regulate the generation and function of tissue-resident memory CD8+ T cells in skin. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	12
14	PRMT1-mediated H4R3me2a recruits SMARCA4 to promote colorectal cancer progression by enhancing EGFR signaling. <i>Genome Medicine</i> , 2021, 13, 58.	8.2	62
15	The ubiquitylation of IL-1 $\beta$ limits its cleavage by caspase-1 and targets it for proteasomal degradation. <i>Nature Communications</i> , 2021, 12, 2713.	12.8	40
16	BCL-XL antagonism selectively reduces neutrophil life span within inflamed tissues without causing neutropenia. <i>Blood Advances</i> , 2021, 5, 2550-2562.	5.2	9
17	Macrophage and neutrophil death programs differentially confer resistance to tuberculosis. <i>Immunity</i> , 2021, 54, 1758-1771.e7.	14.3	46
18	Caspase-2 does not play a critical role in cell death induction and bacterial clearance during <i>Salmonella</i> infection. <i>Cell Death and Differentiation</i> , 2021, 28, 3371-3373.	11.2	2

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19	Targeting Control of Cell Cycle Enhances the Activity of Conventional Chemotherapy in Chemotherapy-Resistant Acute Myeloid Leukemia. <i>Blood</i> , 2021, 138, 2241-2241.	1.4	0
20	ROCK1 but not LIMK1 or PAK2 is a key regulator of apoptotic membrane blebbing and cell disassembly. <i>Cell Death and Differentiation</i> , 2020, 27, 102-116.	11.2	40
21	miR17~92 restrains pro-apoptotic BIM to ensure survival of haematopoietic stem and progenitor cells. <i>Cell Death and Differentiation</i> , 2020, 27, 1475-1488.	11.2	9
22	Modeling Breast Cancer Using CRISPR-Cas9 Mediated Engineering of Human Breast Organoids. <i>Journal of the National Cancer Institute</i> , 2020, 112, 540-544.	6.3	104
23	EBV BCL-2 homologue BHRF1 drives chemoresistance and lymphomagenesis by inhibiting multiple cellular pro-apoptotic proteins. <i>Cell Death and Differentiation</i> , 2020, 27, 1554-1568.	11.2	35
24	Characterization of a novel human BFL-1-specific monoclonal antibody. <i>Cell Death and Differentiation</i> , 2020, 27, 826-828.	11.2	2
25	Mutations that prevent caspase cleavage of RIPK1 cause autoinflammatory disease. <i>Nature</i> , 2020, 577, 103-108.	27.8	198
26	Potent efficacy of MCL-1 inhibitor-based therapies in preclinical models of mantle cell lymphoma. <i>Oncogene</i> , 2020, 39, 2009-2023.	5.9	16
27	Consequences of Zmat3 loss in c-MYC- and mutant KRAS-driven tumorigenesis. <i>Cell Death and Disease</i> , 2020, 11, 877.	6.3	7
28	TREML4 receptor regulates inflammation and innate immune cell death during polymicrobial sepsis. <i>Nature Immunology</i> , 2020, 21, 1585-1596.	14.5	36
29	Critical cancer vulnerabilities identified by unbiased CRISPR/Cas9 screens inform on efficient cancer Immunotherapy. <i>European Journal of Immunology</i> , 2020, 50, 1871-1884.	2.9	6
30	Flexible Usage and Interconnectivity of Diverse Cell Death Pathways Protect against Intracellular Infection. <i>Immunity</i> , 2020, 53, 533-547.e7.	14.3	98
31	Emerging connectivity of programmed cell death pathways and its physiological implications. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 678-695.	37.0	465
32	The NK cell granule protein NKG7 regulates cytotoxic granule exocytosis and inflammation. <i>Nature Immunology</i> , 2020, 21, 1205-1218.	14.5	110
33	HBO1 (KAT7) Does Not Have an Essential Role in Cell Proliferation, DNA Replication, or Histone 4 Acetylation in Human Cells. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	16
34	Targeting platelets for improved outcome in KRAS-driven lung adenocarcinoma. <i>Oncogene</i> , 2020, 39, 5177-5186.	5.9	5
35	An Erg-driven transcriptional program controls B cell lymphopoiesis. <i>Nature Communications</i> , 2020, 11, 3013.	12.8	29
36	The pro-survival Bcl-2 family member A1 delays spontaneous and FAS ligand-induced apoptosis of activated neutrophils. <i>Cell Death and Disease</i> , 2020, 11, 474.	6.3	6

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37	Dual Targeting of CDK4/6 and BCL2 Pathways Augments Tumor Response in Estrogen Receptor-Positive Breast Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 4120-4134.	7.0	65
38	A Hypomorphic Dars1D367Y Model Recapitulates Key Aspects of the Leukodystrophy HBSL. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 625879.	3.7	6
39	Therapeutic blockade of CXCR2 rapidly clears inflammation in arthritis and atopic dermatitis models: demonstration with surrogate and humanized antibodies. <i>MAbs</i> , 2020, 12, 1856460.	5.2	13
40	Acquired Mutations in BAX Confer Resistance to BH3 Mimetics in Acute Myeloid Leukemia. <i>Blood</i> , 2020, 136, 7-8.	1.4	13
41	BCL-XL exerts a protective role against anemia caused by radiation-induced kidney damage. <i>EMBO Journal</i> , 2020, 39, e105561.	7.8	7
42	TRIM17 and TRIM28 antagonistically regulate the ubiquitination and anti-apoptotic activity of BCL2A1. <i>Cell Death and Differentiation</i> , 2019, 26, 902-917.	11.2	42
43	Single-Cell Transcriptomics Identifies the Adaptation of Scat1+ V $\beta$ 6+ T Cells to Skin Residency as Activated Effector Cells. <i>Cell Reports</i> , 2019, 27, 3657-3671.e4.	6.4	79
44	BCL-XL and MCL-1 are the key BCL-2 family proteins in melanoma cell survival. <i>Cell Death and Disease</i> , 2019, 10, 342.	6.3	125
45	Loss of p53 Causes Stochastic Aberrant X-Chromosome Inactivation and Female-Specific Neural Tube Defects. <i>Cell Reports</i> , 2019, 27, 442-454.e5.	6.4	37
46	Characterisation of mice lacking the inflammatory caspases-1/11/12 reveals no contribution of caspase-12 to cell death and sepsis. <i>Cell Death and Differentiation</i> , 2019, 26, 1124-1137.	11.2	23
47	Transcription Factor PU.1 Promotes Conventional Dendritic Cell Identity and Function via Induction of Transcriptional Regulator DC-SCRIPT. <i>Immunity</i> , 2019, 50, 77-90.e5.	14.3	59
48	Loss of IRF4 Results in Multiple Myeloma Cell Apoptosis through the Transcriptional up-Regulation of the BH3-Only Proteins Bmf and BIM. <i>Blood</i> , 2019, 134, 3103-3103.	1.4	2
49	Anti-apoptotic A1 is not essential for lymphoma development in E $\mu$ -Myc mice but helps sustain transplanted E $\mu$ -Myc tumour cells. <i>Cell Death and Differentiation</i> , 2018, 25, 797-808.	11.2	15
50	CRISPR/Cas9: A tool for immunological research. <i>European Journal of Immunology</i> , 2018, 48, 576-583.	2.9	19
51	Coordinated repression of BIM and PUMA by Epstein-Barr virus latent genes maintains the survival of Burkitt lymphoma cells. <i>Cell Death and Differentiation</i> , 2018, 25, 241-254.	11.2	20
52	Loss of NF- $\kappa$ B1 Causes Gastric Cancer with Aberrant Inflammation and Expression of Immune Checkpoint Regulators in a STAT-1-Dependent Manner. <i>Immunity</i> , 2018, 48, 570-583.e8.	14.3	61
53	How does p53 induce apoptosis and how does this relate to p53-mediated tumour suppression?. <i>Cell Death and Differentiation</i> , 2018, 25, 104-113.	11.2	820
54	VDAC2 enables BAX to mediate apoptosis and limit tumor development. <i>Nature Communications</i> , 2018, 9, 4976.	12.8	110

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55	A point mutation in the <i>Ncr1</i> signal peptide impairs the development of innate lymphoid cell subsets. <i>Oncotimmunology</i> , 2018, 7, e1475875.	4.6	9
56	Foxp1 Is Indispensable for Ductal Morphogenesis and Controls the Exit of Mammary Stem Cells from Quiescence. <i>Developmental Cell</i> , 2018, 47, 629-644.e8.	7.0	24
57	Humanized Mcl-1 mice enable accurate preclinical evaluation of MCL-1 inhibitors destined for clinical use. <i>Blood</i> , 2018, 132, 1573-1583.	1.4	67
58	GM-CSF Quantity Has a Selective Effect on Granulocytic vs. Monocytic Myeloid Development and Function. <i>Frontiers in Immunology</i> , 2018, 9, 1922.	4.8	29
59	MARCH1-mediated ubiquitination of MHC II impacts the MHC I antigen presentation pathway. <i>PLoS ONE</i> , 2018, 13, e0200540.	2.5	29
60	Mining the Plasma Cell Transcriptome for Novel Cell Surface Proteins. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2161.	4.1	17
61	DNA repair processes are critical mediators of p53-dependent tumor suppression. <i>Nature Medicine</i> , 2018, 24, 947-953.	30.7	122
62	Identification of Genetic Pathways Controlling Resistance to Standard Combination Chemotherapy in Acute Myeloid Leukemia. <i>Blood</i> , 2018, 132, 2771-2771.	1.4	0
63	<i>MDM4</i> is a rational target for treating breast cancers with mutant p53. <i>Journal of Pathology</i> , 2017, 241, 661-670.	4.5	32
64	Combination of IAP antagonist and IFN $\gamma$ activates novel caspase-10- and RIPK1-dependent cell death pathways. <i>Cell Death and Differentiation</i> , 2017, 24, 481-491.	11.2	43
65	The BCL-2 pro-survival protein A1 is dispensable for T cell homeostasis on viral infection. <i>Cell Death and Differentiation</i> , 2017, 24, 523-533.	11.2	29
66	Characterisation of mice lacking all functional isoforms of the pro-survival BCL-2 family member A1 reveals minor defects in the haematopoietic compartment. <i>Cell Death and Differentiation</i> , 2017, 24, 534-545.	11.2	60
67	A non-canonical function of Ezh2 preserves immune homeostasis. <i>EMBO Reports</i> , 2017, 18, 619-631.	4.5	73
68	DR5 and caspase-8 are dispensable in ER stress-induced apoptosis. <i>Cell Death and Differentiation</i> , 2017, 24, 944-950.	11.2	65
69	Synergistic targeting of breast cancer stem-like cells by human $\gamma$ T cells and CD8 <sup>+</sup> T cells. <i>Immunology and Cell Biology</i> , 2017, 95, 620-629.	2.3	51
70	Anti-apoptotic proteins BCL-2, MCL-1 and A1 summate collectively to maintain survival of immune cell populations both in vitro and in vivo. <i>Cell Death and Differentiation</i> , 2017, 24, 878-888.	11.2	103
71	DNA-binding of the Tet-transactivator curtails antigen-induced lymphocyte activation in mice. <i>Nature Communications</i> , 2017, 8, 1028.	12.8	8
72	Synergistic action of the MCL-1 inhibitor S63845 with current therapies in preclinical models of triple-negative and HER2-amplified breast cancer. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	148

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73	An update on using CRISPR/Cas9 in the one-cell stage mouse embryo for generating complex mutant alleles. <i>Cell Death and Differentiation</i> , 2017, 24, 1821-1822.	11.2	38
74	The combination of reduced MCL-1 and standard chemotherapeutics is tolerable in mice. <i>Cell Death and Differentiation</i> , 2017, 24, 2032-2043.	11.2	25
75	Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. <i>ELife</i> , 2016, 5, .	6.0	65
76	Male sterility in Mcl-1-flox mice is not due to enhanced Mcl1 protein stability. <i>Cell Death and Disease</i> , 2016, 7, e2490-e2490.	6.3	3
77	Using CRISPR/Cas9 Technology for Manipulating Cell Death Regulators. <i>Methods in Molecular Biology</i> , 2016, 1419, 253-264.	0.9	23
78	Hepatocyte growth factor renders BRAF mutant human melanoma cell lines resistant to PLX4032 by downregulating the pro-apoptotic BH3-only proteins PUMA and BIM. <i>Cell Death and Differentiation</i> , 2016, 23, 2054-2062.	11.2	24
79	Hierarchy for targeting prosurvival BCL2 family proteins in multiple myeloma: pivotal role of MCL1. <i>Blood</i> , 2016, 128, 1834-1844.	1.4	127
80	RAG-induced DNA lesions activate proapoptotic BIM to suppress lymphomagenesis in p53-deficient mice. <i>Journal of Experimental Medicine</i> , 2016, 213, 2039-2048.	8.5	13
81	The MCL1 inhibitor S63845 is tolerable and effective in diverse cancer models. <i>Nature</i> , 2016, 538, 477-482.	27.8	830
82	BET inhibition represses miR17-92 to drive BIM-initiated apoptosis of normal and transformed hematopoietic cells. <i>Leukemia</i> , 2016, 30, 1531-1541.	7.2	29
83	Therapeutic Response to Non-genotoxic Activation of p53 by Nutlin3a Is Driven by PUMA-Mediated Apoptosis in Lymphoma Cells. <i>Cell Reports</i> , 2016, 14, 1858-1866.	6.4	35
84	Mutant p53 Enhances the Development and Sustained Growth of MYC-Driven Lymphoma and Exerts a Dominant Negative Effect Preferentially Deregulating Pathways for Metabolism and DNA Repair. <i>Blood</i> , 2016, 128, 1545-1545.	1.4	0
85	NLRP3 inflammasome activation downstream of cytoplasmic LPS recognition by both caspase-4 and caspase-5. <i>European Journal of Immunology</i> , 2015, 45, 2918-2926.	2.9	283
86	Prosurvival Bcl-2 family members reveal a distinct apoptotic identity between conventional and plasmacytoid dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4044-4049.	7.1	43
87	An Inducible Lentiviral Guide RNA Platform Enables the Identification of Tumor-Essential Genes and Tumor-Promoting Mutations In Vivo. <i>Cell Reports</i> , 2015, 10, 1422-1432.	6.4	337
88	Impact of conditional deletion of the pro-apoptotic BCL-2 family member BIM in mice. <i>Cell Death and Disease</i> , 2014, 5, e1446-e1446.	6.3	25
89	Evidence against upstream regulation of the unfolded protein response (UPR) by pro-apoptotic BIM and PUMA. <i>Cell Death and Disease</i> , 2014, 5, e1354-e1354.	6.3	8
90	Characterisation of a novel A1-specific monoclonal antibody. <i>Cell Death and Disease</i> , 2014, 5, e1553-e1553.	6.3	16

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91	Apoptotic Caspases Suppress mtDNA-Induced STING-Mediated Type I IFN Production. <i>Cell</i> , 2014, 159, 1549-1562.	28.9	698
92	Myeloid-Derived Suppressor Activity Is Mediated by Monocytic Lineages Maintained by Continuous Inhibition of Extrinsic and Intrinsic Death Pathways. <i>Immunity</i> , 2014, 41, 947-959.	14.3	121
93	Targeting of MCL-1 kills MYC-driven mouse and human lymphomas even when they bear mutations in <i>p53</i> . <i>Genes and Development</i> , 2014, 28, 58-70.	5.9	156
94	It's not over until the FAT lady sings. <i>EMBO Journal</i> , 2014, 33, n/a-n/a.	7.8	0
95	Pro-apoptotic BIM is an essential initiator of physiological endothelial cell death independent of regulation by FOXO3. <i>Cell Death and Differentiation</i> , 2014, 21, 1687-1695.	11.2	19
96	Evidence for Mutant p53 Gain-of-Function Effects in Normal Haemopoietic Cells and Myc-Driven Lymphoma. <i>Blood</i> , 2014, 124, 3589-3589.	1.4	0
97	Antiapoptotic Mcl-1 is critical for the survival and niche-filling capacity of Foxp3+ regulatory T cells. <i>Nature Immunology</i> , 2013, 14, 959-965.	14.5	209
98	The transcription factor T-bet is essential for the development of NKp46+ innate lymphocytes via the Notch pathway. <i>Nature Immunology</i> , 2013, 14, 389-395.	14.5	264
99	PEGylation of interferon $\beta$ improves lymphatic exposure after subcutaneous and intravenous administration and improves antitumour efficacy against lymphatic breast cancer metastases. <i>Journal of Controlled Release</i> , 2013, 168, 200-208.	9.9	70
100	CD8+ T cell help is required for efficient induction of EAE in Lewis rats. <i>Journal of Neuroimmunology</i> , 2013, 260, 17-27.	2.3	20
101	Foxo-mediated <i>Bim</i> transcription is dispensable for the apoptosis of hematopoietic cells that is mediated by this BH3-only protein. <i>EMBO Reports</i> , 2013, 14, 992-998.	4.5	26
102	Mutually exclusive regulation of T cell survival by IL-7R and antigen receptor-induced signals. <i>Nature Communications</i> , 2013, 4, 1735.	12.8	56
103	Glucocorticoid-Induced Apoptosis in Animal Models of Multiple Sclerosis. <i>Critical Reviews in Immunology</i> , 2013, 33, 183-202.	0.5	9
104	Anti-apoptotic Mcl-1 is essential for the development and sustained growth of acute myeloid leukemia. <i>Genes and Development</i> , 2012, 26, 120-125.	5.9	344
105	Targeting antiapoptotic A1/Bfl-1 by in vivo RNAi reveals multiple roles in leukocyte development in mice. <i>Blood</i> , 2012, 119, 6032-6042.	1.4	52
106	The BH3-Only Proteins Bim and Puma Cooperate to Impose Deletional Tolerance of Organ-Specific Antigens. <i>Immunity</i> , 2012, 37, 451-462.	14.3	75
107	A1/Bfl-1 in leukocyte development and cell death. <i>Experimental Cell Research</i> , 2012, 318, 1291-1303.	2.6	44
108	Acid Sphingomyelinase Is Required for Protection of Effector Memory T Cells against Glucocorticoid-Induced Cell Death. <i>Journal of Immunology</i> , 2011, 187, 4509-4516.	0.8	30

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109	Maximal killing of lymphoma cells by DNA damage-inducing therapy requires not only the p53 targets Puma and Noxa, but also Bim. <i>Blood</i> , 2010, 116, 5256-5267.	1.4	87
110	Clearance of Measles Virus from Persistently Infected Cells by Short Hairpin RNA. <i>Journal of Virology</i> , 2009, 83, 9423-9431.	3.4	12
111	Reduced Expression of the Mevalonate Pathway Enzyme Farnesyl Pyrophosphate Synthase Unveils Recognition of Tumor Cells by V $\beta$ 9V $\alpha$ 2 T Cells. <i>Journal of Immunology</i> , 2009, 182, 8118-8124.	0.8	90
112	Stable silencing of the glucocorticoid receptor in myelin-specific T effector cells by retroviral delivery of shRNA: Insight into neuroinflammatory disease. <i>European Journal of Immunology</i> , 2009, 39, 2361-2370.	2.9	6
113	Proliferation Arrest in B-Raf Mutant Melanoma Cell Lines upon MAPK Pathway Activation. <i>Journal of Investigative Dermatology</i> , 2009, 129, 406-414.	0.7	18
114	Inducible and reversible gene silencing by stable integration of an shRNA-encoding lentivirus in transgenic rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18507-18512.	7.1	149
115	Silencing of the Mineralocorticoid Receptor by Ribonucleic Acid Interference in Transgenic Rats Disrupts Endocrine Homeostasis. <i>Molecular Endocrinology</i> , 2008, 22, 1304-1311.	3.7	13
116	Activation of the MAP Kinase Pathway Induces Apoptosis in the Merkel Cell Carcinoma Cell Line UIISO. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2116-2122.	0.7	27
117	Glucocorticoids exert opposing effects on macrophage function dependent on their concentration. <i>Immunology</i> , 2007, 122, 47-53.	4.4	174
118	The Stability and Anti-apoptotic Function of A1 Are Controlled by Its C Terminus. <i>Journal of Biological Chemistry</i> , 2006, 281, 13663-13671.	3.4	52
119	Mitochondria-Dependent Caspase-9 Activation Is Necessary for Antigen Receptor-Mediated Effector Caspase Activation and Apoptosis in WEHI 231 Lymphoma Cells. <i>Journal of Immunology</i> , 2002, 168, 3902-3909.	0.8	50