Birgit Strobl

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Oncogenic TYK2 ^{P760L} kinase is effectively targeted by combinatorial TYK2, mTOR and CDK4/6 kinase blockade. Haematologica, 2022, , .	3.5	1
2	Tyrosine Kinase 2 Signalling Drives Pathogenic T cells in Colitis. Journal of Crohn's and Colitis, 2021, 15, 617-630.	1.3	11
3	TYK2 licenses non-canonical inflammasome activation during endotoxemia. Cell Death and Differentiation, 2021, 28, 748-763.	11.2	16
4	Lipocalin 2 modulates dendritic cell activity and shapes immunity to influenza in a microbiome dependent manner. PLoS Pathogens, 2021, 17, e1009487.	4.7	6
5	Selective Janus kinase inhibition preserves interferon-λ–mediated antiviral responses. Science Immunology, 2021, 6, .	11.9	16
6	Lactate and IL6 define separable paths of inflammatory metabolic adaptation. Science Advances, 2021, 7,	10.3	55
7	From Science to Success? Targeting Tyrosine Kinase 2 in Spondyloarthritis and Related Chronic Inflammatory Diseases. Frontiers in Genetics, 2021, 12, 685280.	2.3	16
8	Sustained Post-Developmental T-Bet Expression Is Critical for the Maintenance of Type One Innate Lymphoid Cells In Vivo. Frontiers in Immunology, 2021, 12, 760198.	4.8	11
9	Single-cell transcriptional profiling of splenic fibroblasts reveals subset-specific innate immune signatures in homeostasis and during viral infection. Communications Biology, 2021, 4, 1355.	4.4	12
10	STAT1 Isoforms Differentially Regulate NK Cell Maturation and Anti-tumor Activity. Frontiers in Immunology, 2020, 11, 2189.	4.8	15
11	Bacterial polyphosphates interfere with the innate host defense to infection. Nature Communications, 2020, 11, 4035.	12.8	65
12	Type I Interferon Response Dysregulates Host Iron Homeostasis and Enhances Candida glabrata Infection. Cell Host and Microbe, 2020, 27, 454-466.e8.	11.0	41
13	TYK2 in Tumor Immunosurveillance. Cancers, 2020, 12, 150.	3.7	18
14	T-Bet Controls Cellularity of Intestinal Group 3 Innate Lymphoid Cells. Frontiers in Immunology, 2020, 11, 623324.	4.8	15
15	IDO1+ Paneth cells promote immune escape of colorectal cancer. Communications Biology, 2020, 3, 252.	4.4	26
16	Histone deacetylases 1 and 2 restrain CD4+ cytotoxic T lymphocyte differentiation. JCI Insight, 2020, 5, .	5.0	23
17	TYK2 inhibition reduces type 3 immunity and modifies disease progression in murine spondyloarthritis. Journal of Clinical Investigation, 2020, 130, 1863-1878.	8.2	51
18	Dependency on the TYK2/STAT1/MCL1 axis in anaplastic large cell lymphoma. Leukemia, 2019, 33, 696-709.	7.2	40

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19	TYK2: An Upstream Kinase of STATs in Cancer. Cancers, 2019, 11, 1728.	3.7	41
20	Twins with different personalities: STAT5B—but not STAT5A—has a key role in BCR/ABL-induced leukemia. Leukemia, 2019, 33, 1583-1597.	7.2	40
21	NK Cells Require Cell-Extrinsic and -Intrinsic TYK2 for Full Functionality in Tumor Surveillance and Antibacterial Immunity. Journal of Immunology, 2019, 202, 1724-1734.	0.8	13
22	Metabolic Regulators Nampt and Sirt6 Serially Participate in the Macrophage Interferon Antiviral Cascade. Frontiers in Microbiology, 2019, 10, 355.	3.5	19
23	Myeloid Cells Restrict MCMV and Drive Stress-Induced Extramedullary Hematopoiesis through STAT1. Cell Reports, 2019, 26, 2394-2406.e5.	6.4	12
24	STAT1 is a sexâ€specific tumor suppressor in colitisâ€essociated colorectal cancer. Molecular Oncology, 2018, 12, 514-528.	4.6	29
25	The C-Terminal Transactivation Domain of STAT1 Has a Gene-Specific Role in Transactivation and Cofactor Recruitment. Frontiers in Immunology, 2018, 9, 2879.	4.8	14
26	738 - Inhibition of Tyrosine Kinase 2 Signaling Ameliorates T Cell Transfer Colitis. Gastroenterology, 2018, 154, S-153.	1.3	0
27	Aggressive B-cell lymphomas in patients with myelofibrosis receiving JAK1/2 inhibitor therapy. Blood, 2018, 132, 694-706.	1.4	132
28	The good and the bad faces of STAT1 in solid tumours. Cytokine, 2017, 89, 12-20.	3.2	191
29	Tyrosine kinase 2 – Surveillant of tumours and bona fide oncogene. Cytokine, 2017, 89, 209-218.	3.2	45
30	Type I interferon promotes alveolar epithelial type II cell survival during pulmonary Streptococcus pneumoniae infection and sterile lung injury in mice. European Journal of Immunology, 2016, 46, 2175-2186.	2.9	21
31	Kinase inactive Tyrosine kinase (Tyk2) Supports Differentiation of Brown fat Cells. Endocrinology, 2016, 158, en.2015-2048.	2.8	7
32	Defining the functional binding sites of interleukin 12 receptor β1 and interleukin 23 receptor to Janus kinases. Molecular Biology of the Cell, 2016, 27, 2301-2316.	2.1	38
33	STAT5 Is a Key Regulator in NK Cells and Acts as a Molecular Switch from Tumor Surveillance to Tumor Promotion. Cancer Discovery, 2016, 6, 414-429.	9.4	124
34	Type I Interferon Signaling Prevents IL-1Î ² -Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. Cell Host and Microbe, 2016, 19, 375-387.	11.0	88
35	ID: 77. Cytokine, 2015, 76, 79.	3.2	0
36	ID: 131. Cytokine, 2015, 76, 90.	3.2	0

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37	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. Frontiers in Microbiology, 2015, 6, 1408.	3.5	106
38	Methods to Study Tumor Surveillance Using Tumor Cell Transplantation into Genetically Engineered Mice. Methods in Molecular Biology, 2015, 1267, 439-456.	0.9	0
39	Noncanonical Effects of IRF9 in Intestinal Inflammation: More than Type I and Type III Interferons. Molecular and Cellular Biology, 2015, 35, 2332-2343.	2.3	61
40	Cooperative Transcriptional Activation of Antimicrobial Genes by STAT and NF-ήB Pathways by Concerted Recruitment of the Mediator Complex. Cell Reports, 2015, 12, 300-312.	6.4	58
41	Myeloid <i>STAT3</i> promotes formation of colitis-associated colorectal cancer in mice. Oncolmmunology, 2015, 4, e998529.	4.6	24
42	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. Journal of Immunology, 2015, 195, 5011-5024.	0.8	40
43	In vivotumor surveillance by NK cells requires TYK2 but not TYK2 kinase activity. Oncolmmunology, 2015, 4, e1047579.	4.6	27
44	Promoter Occupancy of STAT1 in Interferon Responses Is Regulated by Processive Transcription. Molecular and Cellular Biology, 2015, 35, 716-727.	2.3	15
45	Inducible, Dose-Adjustable and Time-Restricted Reconstitution of Stat1 Deficiency In Vivo. PLoS ONE, 2014, 9, e86608.	2.5	10
46	Interruption of Macrophage-Derived IL-27(p28) Production by IL-10 during Sepsis Requires STAT3 but Not SOCS3. Journal of Immunology, 2014, 193, 5668-5677.	0.8	42
47	Tyrosine kinase 2 promotes sepsis-associated lethality by facilitating production of interleukin-27. Journal of Leukocyte Biology, 2014, 96, 123-131.	3.3	22
48	Type I interferons have opposing effects during the emergence and recovery phases of colitis. European Journal of Immunology, 2014, 44, 2749-2760.	2.9	39
49	STAT1β Is Not Dominant Negative and Is Capable of Contributing to Gamma Interferon-Dependent Innate Immunity. Molecular and Cellular Biology, 2014, 34, 2235-2248.	2.3	34
50	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. ISME Journal, 2014, 8, 1101-1114.	9.8	174
51	Host-cell sensors for Plasmodium activate innate immunity against liver-stage infection. Nature Medicine, 2014, 20, 47-53.	30.7	256
52	Editorial: Recovery from chemotherapy depends on STAT1 for replenishment of B lymphopoiesis. Journal of Leukocyte Biology, 2014, 95, 849-851.	3.3	2
53	Conditional ablation of TYK2 in immunity to viral infection and tumor surveillance. Transgenic Research, 2014, 23, 519-529.	2.4	16
54	Important scaffold function of the Janus kinase 2 uncovered by a novel mouse model harboring a Jak2 activation-loop mutation. Blood, 2014, 123, 520-529.	1.4	20

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55	Loss of STAT3 in murine NK cells enhances NK cell–dependent tumor surveillance. Blood, 2014, 124, 2370-2379.	1.4	90
56	CDK8 Kinase Phosphorylates Transcription Factor STAT1 to Selectively Regulate the Interferon Response. Immunity, 2013, 38, 250-262.	14.3	220
57	Lipocalin 2 deactivates macrophages and worsens pneumococcal pneumonia outcomes. Journal of Clinical Investigation, 2013, 123, 3363-3372.	8.2	124
58	Conditional Stat1 Ablation Reveals the Importance of Interferon Signaling for Immunity to Listeria monocytogenes Infection. PLoS Pathogens, 2012, 8, e1002763.	4.7	49
59	Conditional IFNAR1 ablation reveals distinct requirements of Type I IFN signaling for NK cell maturation and tumor surveillance. Oncolmmunology, 2012, 1, 1027-1037.	4.6	53
60	Tyk2 and Stat3 Regulate Brown Adipose Tissue Differentiation and Obesity. Cell Metabolism, 2012, 16, 814-824.	16.2	81
61	Multifaceted Antiviral Actions of Interferon-stimulated Gene Products. , 2012, , 387-423.		0
62	TYK2 Kinase Activity Is Required for Functional Type I Interferon Responses In Vivo. PLoS ONE, 2012, 7, e39141.	2.5	54
63	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. ISME Journal, 2012, 6, 2091-2106.	9.8	291
64	PS1-059 Tyrosine kinase 2 protects from chemically-induced colitis via amplification of interleukin-22 signalling. Cytokine, 2011, 56, 32.	3.2	0
65	PS2-084 Dissection of kinase-dependent and -independent functions of Tyk2 in immunity to infection and tumor-surveillance. Cytokine, 2011, 56, 86.	3.2	0
66	A comparative proteome analysis links tyrosine kinase 2 (Tyk2) to the regulation of cellular glucose and lipid metabolism in response to poly(I:C). Journal of Proteomics, 2011, 74, 2866-2880.	2.4	17
67	Tyrosine kinase 2 (TYK2) in cytokine signalling and host immunity. Frontiers in Bioscience - Landmark, 2011, 16, 3224.	3.0	85
68	Cross-Talk Between Interferon-Î ³ and Hedgehog Signaling Regulates Adipogenesis. Diabetes, 2011, 60, 1668-1676.	0.6	37
69	Host Defense against Viral Infection Involves Interferon Mediated Down-Regulation of Sterol Biosynthesis. PLoS Biology, 2011, 9, e1000598.	5.6	241
70	Reversible Inhibition of Murine Cytomegalovirus Replication by Gamma Interferon (IFN-γ) in Primary Macrophages Involves a Primed Type I IFN-Signaling Subnetwork for Full Establishment of an Immediate-Early Antiviral State. Journal of Virology, 2011, 85, 10286-10299.	3.4	40
71	Transcriptome analysis reveals a major impact of JAK protein tyrosine kinase 2 (Tyk2) on the expression of interferon-responsive and metabolic genes. BMC Genomics, 2010, 11, 199.	2.8	19
72	Octamer-binding factor 6 (Oct-6/Pou3f1) is induced by interferon and contributes to dsRNA-mediated transcriptional responses. BMC Cell Biology, 2010, 11, 61.	3.0	12

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73	Tyrosine Kinase 2 Controls IL-1Î ² Production at the Translational Level. Journal of Immunology, 2010, 185, 3544-3553.	0.8	24
74	Tristetraprolin Is Required for Full Anti-Inflammatory Response of Murine Macrophages to IL-10. Journal of Immunology, 2009, 183, 1197-1206.	0.8	96
75	Type I interferons as mediators of immune adjuvants for T- and B cell-dependent acquired immunity. Vaccine, 2009, 27, G17-G20.	3.8	40
76	The impact of tyrosine kinase 2 (Tyk2) on the proteome of murine macrophages and their response to lipopolysaccharide (LPS). Proteomics, 2008, 8, 3469-3485.	2.2	13
77	24 OCT-6 (POU3F1, TST-1, SCIP) is an interferon-inducible protein. Cytokine, 2008, 43, 242.	3.2	0
78	TYK2 AND SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1 CONTRIBUTE TO INTESTINAL I/R INJURY. Shock, 2008, 29, 238-244.	2.1	9
79	In Vivo Target Validation: Methodology and Case Studies on the Janus Kinase Tyk2. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2007, 6, 29-45.	1.1	0
80	A time- and dose-dependent STAT1 expression system. BMC Biotechnology, 2006, 6, 48.	3.3	6
81	Contribution of cell culture additives to the two-dimensional protein patterns of mouse macrophages. Electrophoresis, 2006, 27, 1626-1629.	2.4	20
82	Studying Human Pathogens in Animal Models: Fine Tuning the Humanized Mouse. Transgenic Research, 2005, 14, 803-806.	2.4	12
83	Novel Functions of Tyrosine Kinase 2 in the Antiviral Defense against Murine Cytomegalovirus. Journal of Immunology, 2005, 175, 4000-4008.	0.8	60
84	The STAT3 isoforms \hat{I}_{\pm} and \hat{I}^2 have unique and specific functions. Nature Immunology, 2004, 5, 401-409.	14.5	202
85	Recombinant viral sialate-O-acetylesterases. Glycoconjugate Journal, 2003, 20, 551-561.	2.7	23
86	Of JAKs, STATs, blind watchmakers, jeeps and trains. FEBS Letters, 2003, 546, 1-5.	2.8	75
87	JAK/STAT Signaling: A Tale of Jeeps and Trains. , 2003, , 355-365.		0
88	Cell-type and Donor-specific Transcriptional Responses to Interferon-α. Journal of Biological Chemistry, 2002, 277, 49428-49437.	3.4	74
89	Mutational switch of an IL-6 response to an interferon-Â-like response. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8043-8047.	7.1	258
90	The Antiviral Response to Gamma Interferon. Journal of Virology, 2002, 76, 9060-9068.	3.4	28

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91	A region encompassing the FERM domain of Jak1 is necessary for binding to the cytokine receptor gp130. FEBS Letters, 2001, 505, 87-91.	2.8	43
92	Use of apathogenic vaccinia virus MVA expressing EHV-1 gC as basis of a combined recombinant MVA/DNA vaccination scheme. Vaccine, 2000, 18, 1320-1326.	3.8	15
93	Identification of a Coronavirus Hemagglutinin-Esterase with a Substrate Specificity Different from Those of Influenza C Virus and Bovine Coronavirus. Journal of Virology, 1999, 73, 3737-3743.	3.4	83
94	The Hemagglutinin-Esterase of Mouse Hepatitis Virus Strain S Is a Sialate-4- <i>O</i> -Acetylesterase. Journal of Virology, 1999, 73, 4721-4727.	3.4	68
95	cDNA Cloning and Expression of Secreted Xenopus Laevis Dipeptidyl Aminopeptidase IV. FEBS Journal, 1997, 247, 107-113.	0.2	7
96	The lipocalin XLCpl1 expressed in the neural plate of <i>Xenopus laevis</i> embryos is a secreted retinaldehyde binding protein. Protein Science, 1996, 5, 1250-1260.	7.6	23
97	The Receptor-Destroying Enzyme of Influenza C Virus Is Required for Entry into Target Cells. Virology, 1993, 192, 679-682.	2.4	23
98	Macrophages Restrict MCMV and Drive Stress-Induced Extramedullary Hematopoiesis Through STAT1. SSRN Electronic Journal, 0, , .	0.4	0