Gnter Bernhardt

List of Publications by Year in Descending Order

85 papers	4,093 citations	34 h-index	62 g-index
88 ext. papers	4,770 ext. citations	8.1 avg, IF	5.11 L-index

#	Paper	IF	Citations
85	Identification of Follicular T Cells in the Gut. *Methods in Molecular Biology*, **2022**, 2380, 85-95	1.4	
84	Longitudinal Tracking of Immune Responses in COVID-19 Convalescents Reveals Absence of Neutralization Activity Against Omicron and Staggered Impairment to Other SARS-CoV-2 Variants of Concern.. *Frontiers in Immunology*, **2022**, 13, 863039	8.4	0
83	Robust induction of neutralizing antibodies against the SARS-CoV-2 Delta variant after homologous Spikevax or heterologous Vaxzevria-Spikevax vaccination. *European Journal of Immunology*, **2021**,	6.1	2
82	The impact of stress on the transcriptomic signature of iNKT1 cells. *Biochemistry and Biophysics Reports*, **2021**, 28, 101163	2.2	
81	Targeted delivery of regulatory macrophages to lymph nodes interferes with T cell priming by preventing the formation of stable immune synapses. *Cell Reports*, **2021**, 35, 109273	10.6	0
80	Immune responses against SARS-CoV-2 variants after heterologous and homologous ChAdOx1 nCoV-19/BNT162b2 vaccination. *Nature Medicine*, **2021**, 27, 1525-1529	50.5	141
79	Low serum neutralizing anti-SARS-CoV-2 S antibody levels in mildly affected COVID-19 convalescent patients revealed by two different detection methods. *Cellular and Molecular Immunology*, **2021**, 18, 936-944	15.4	62
78	Neutralization of the SARS-CoV-2 Delta variant after heterologous and homologous BNT162b2 or ChAdOx1 nCoV-19 vaccination. *Cellular and Molecular Immunology*, **2021**, 18, 2455-2456	15.4	20
77	IL-15 and CD155 expression regulate LAT expression in murine DNAM1 NK cells, enhancing their effectors functions. *European Journal of Immunology*, **2020**, 50, 494-504	6.1	2
76	Impact of Aging on the Phenotype of Invariant Natural Killer T Cells in Mouse Thymus. *Frontiers in Immunology*, **2020**, 11, 575764	8.4	3
75	Laquinimod, a prototypic quinoline-3-carboxamide and aryl hydrocarbon receptor agonist, utilizes a CD155-mediated natural killer/dendritic cell interaction to suppress CNS autoimmunity. *Journal of Neuroinflammation*, **2019**, 16, 49	10.1	14
74	Blocking the ART2.2/P2X7-system is essential to avoid a detrimental bias in functional CD4 T cell studies. *European Journal of Immunology*, **2018**, 48, 1078-1081	6.1	12
73	CD96 targeted antibodies need not block CD96-CD155 interactions to promote NK cell anti-metastatic activity. *OncoImmunology*, **2018**, 7, e1424677	7.2	27
72	Shared and Unique Features Distinguishing Follicular T Helper and Regulatory Cells of Peripheral Lymph Node and Peyer's Patches. *Frontiers in Immunology*, **2018**, 9, 714	8.4	15
71	Coming of Age: CD96 Emerges as Modulator of Immune Responses. *Frontiers in Immunology*, **2018**, 9, 1072	8.4	49
70	Perioperative, Spatiotemporally Coordinated Activation of T and NK Cells Prevents Recurrence of Pancreatic Cancer. *Cancer Research*, **2018**, 78, 475-488	10.1	42
69	Expression of CD226 is associated to but not required for NK cell education. *Nature Communications*, **2017**, 8, 15627	17.4	31

68	Distinct gene expression patterns correlate with developmental and functional traits of iNKT subsets. *Nature Communications*, **2016**, 7, 13116	17.4	56
67	CD155/CD226-interaction impacts on the generation of innate CD8(+) thymocytes by regulating iNKT-cell differentiation. *European Journal of Immunology*, **2016**, 46, 993-1003	6.1	15
66	Suppression of Metastases Using a New Lymphocyte Checkpoint Target for Cancer Immunotherapy. *Cancer Discovery*, **2016**, 6, 446-59	24.4	147
65	The Role of T Cell Costimulation via DNAM-1 in Kidney Transplantation. *PLoS ONE*, **2016**, 11, e0147951	3.7	6
64	Sensitivity of dendritic cells to NK-mediated lysis depends on the inflammatory environment and is modulated by CD54/CD226-driven interactions. *Journal of Leukocyte Biology*, **2016**, 100, 781-789	6.5	9
63	Targeting CD226/DNAX accessory molecule-1 (DNAM-1) in collagen-induced arthritis mouse models. *Journal of Inflammation*, **2015**, 12, 9	6.7	12
62	Differential Effects of Gut-Homing Molecules CC Chemokine Receptor 9 and Integrin-α4β7 during Acute Graft-versus-Host Disease of the Liver. *Biology of Blood and Marrow Transplantation*, **2015**, 21, 2069-2078	4.7	3
61	CD155 (PVR/Necl5) mediates a costimulatory signal in CD4+ T cells and regulates allergic inflammation. *Journal of Immunology*, **2015**, 194, 5644-53	5.3	14
60	Poliomyelitis in transgenic mice expressing CD155 under the control of the Tage4 promoter after oral and parenteral poliovirus inoculation. *Journal of General Virology*, **2014**, 95, 1668-1676	4.9	7
59	Increased CD112 expression in methylcholanthrene-induced tumors in CD155-deficient mice. *PLoS ONE*, **2014**, 9, e112415	3.7	16
58	To the editor: TIGIT versus CD226: hegemony or coexistence?. *European Journal of Immunology*, **2014**, 44, 307-8	6.1	9
57	Lck availability during thymic selection determines the recognition specificity of the T cell repertoire. *Cell*, **2013**, 154, 1326-41	56.2	73
56	CD226 interaction with CD155 impacts on retention and negative selection of CD8 positive thymocytes as well as T cell differentiation to follicular helper cells in Peyer's Patches. *Immunobiology*, **2013**, 218, 152-8	3.4	8
55	Critical role of the adhesion receptor DNAX accessory molecule-1 (DNAM-1) in the development of inflammation-driven dermal fibrosis in a mouse model of systemic sclerosis. *Annals of the Rheumatic Diseases*, **2013**, 72, 1089-98	2.4	30
54	On the road to tolerance--generation and migration of gut regulatory T cells. *European Journal of Immunology*, **2013**, 43, 1422-5	6.1	11
53	γδ T cell receptors that do not undergo major histocompatibility complex-specific thymic selection possess antibody-like recognition specificities. *Immunity*, **2012**, 36, 79-91	32.3	77
52	IRF-1 expression is essential for natural killer cells to suppress metastasis. *Cancer Research*, **2011**, 71, 6410-8	10.1	27
51	Absence of CD155 aggravates acute graft-versus-host disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E32-3; author reply E34	11.5	17

50	Intranodal interaction with dendritic cells dynamically regulates surface expression of the co-stimulatory receptor CD226 protein on murine T cells. *Journal of Biological Chemistry*, **2011**, 286, 39153-63	5.4	21
49	Development and functional specialization of CD103+ dendritic cells. *Immunological Reviews*, **2010**, 234, 268-81	11.3	195
48	CD155 is involved in negative selection and is required to retain terminally maturing CD8 T cells in thymus. *Journal of Immunology*, **2010**, 184, 1681-9	5.3	12
47	The origin and maturity of dendritic cells determine the pattern of sphingosine 1-phosphate receptors expressed and required for efficient migration. *Journal of Immunology*, **2010**, 185, 4072-81	5.3	53
46	The puzzle of intestinal lamina propria dendritic cells and macrophages. *European Journal of Immunology*, **2010**, 40, 2107-11	6.1	68
45	Heterogeneous expression of the adhesion receptor CD226 on murine NK and T cells and its function in NK-mediated killing of immature dendritic cells. *Journal of Leukocyte Biology*, **2009**, 86, 91-101	6.5	39
44	CD96 interaction with CD155 via its first Ig-like domain is modulated by alternative splicing or mutations in distal Ig-like domains. *Journal of Biological Chemistry*, **2009**, 284, 2235-44	5.4	51
43	Abundance of follicular helper T cells in Peyer's patches is modulated by CD155. *European Journal of Immunology*, **2009**, 39, 3160-70	6.1	26
42	Mesenteric lymph node stroma cells in the generation of intestinal immune responses. *Journal of Molecular Medicine*, **2009**, 87, 945-51	5.5	15
41	Factors governing the intranodal migration behavior of T lymphocytes. *Immunological Reviews*, **2008**, 221, 44-63	11.3	16
40	Homeostatic chemokines in development, plasticity, and functional organization of the intestinal immune system. *Seminars in Immunology*, **2008**, 20, 171-80	10.7	21
39	Dynamics and function of solitary intestinal lymphoid tissue. *Critical Reviews in Immunology*, **2008**, 28, 1-13	1.8	21
38	Generalized multi-organ autoimmunity in CCR7-deficient mice. *European Journal of Immunology*, **2007**, 37, 613-22	6.1	95
37	The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens. *European Journal of Immunology*, **2007**, 37, 2214-25	6.1	48
36	Sphingosine-1 phosphate signaling regulates positioning of dendritic cells within the spleen. *Journal of Immunology*, **2007**, 179, 5855-63	5.3	48
35	The impact of cell-bound antigen transport on mucosal tolerance induction. *Journal of Leukocyte Biology*, **2007**, 82, 795-800	6.5	26
34	Impaired responsiveness to T-cell receptor stimulation and defective negative selection of thymocytes in CCR7-deficient mice. *Blood*, **2007**, 110, 4351-9	2.2	52
33	The murine pan T cell marker CD96 is an adhesion receptor for CD155 and nectin-1. *Biochemical and Biophysical Research Communications*, **2007**, 364, 959-65	3.4	64

32	Enhanced FTY720-mediated lymphocyte homing requires G alpha i signaling and depends on beta 2 and beta 7 integrin. *Journal of Immunology*, **2006**, 176, 1474-80	5.3	20
31	Oral tolerance originates in the intestinal immune system and relies on antigen carriage by dendritic cells. *Journal of Experimental Medicine*, **2006**, 203, 519-27	16.6	533
30	Adaptation of solitary intestinal lymphoid tissue in response to microbiota and chemokine receptor CCR7 signaling. *Journal of Immunology*, **2006**, 177, 6824-32	5.3	122
29	Trafficking on serpentines: molecular insight on how maturating T cells find their winding paths in the thymus. *Immunological Reviews*, **2006**, 209, 115-28	11.3	33
28	Cryptopatches and isolated lymphoid follicles: dynamic lymphoid tissues dispensable for the generation of intraepithelial lymphocytes. *European Journal of Immunology*, **2005**, 35, 98-107	6.1	145
27	Sphingosine-1-phosphate mediates migration of mature dendritic cells. *Journal of Immunology*, **2005**, 175, 2960-7	5.3	151
26	Cutting edge: egress of newly generated plasma cells from peripheral lymph nodes depends on beta 2 integrin. *Journal of Immunology*, **2005**, 174, 7492-5	5.3	34
25	Poliovirus receptor CD155-targeted oncolysis of glioma. *Neuro-Oncology*, **2004**, 6, 208-17	1	87
24	Elucidating the functional anatomy of secondary lymphoid organs. *Current Opinion in Immunology*, **2004**, 16, 394-9	7.8	11
23	Chemokines as organizers of primary and secondary lymphoid organs. *Seminars in Immunology*, **2003**, 15, 249-55	10.7	31
22	Characterization and identification of Tage4 as the murine orthologue of human poliovirus receptor/CD155. *Biochemical and Biophysical Research Communications*, **2003**, 312, 1364-71	3.4	38
21	Cooperating mechanisms of CXCR5 and CCR7 in development and organization of secondary lymphoid organs. *Journal of Experimental Medicine*, **2003**, 197, 1199-204	16.6	156
20	Expression of the human poliovirus receptor/CD155 gene is activated by sonic hedgehog. *Journal of Biological Chemistry*, **2002**, 277, 25697-702	5.4	48
19	The poliovirus receptor CD155 mediates cell-to-matrix contacts by specifically binding to vitronectin. *Virology*, **2001**, 285, 218-27	3.6	69
18	Identification of a nuclear respiratory factor-1 binding site within the core promoter of the human polio virus receptor/CD155 gene. *Journal of Biological Chemistry*, **2000**, 275, 12453-62	5.4	31
17	Identification and characterization of the cis-acting elements of the human CD155 gene core promoter. *Journal of Biological Chemistry*, **1999**, 274, 1791-800	5.4	20
16	A lymphoid tissue-specific receptor, EDG6, with potential immune modulatory functions mediated by extracellular lysophospholipids. *Current Topics in Microbiology and Immunology*, **1999**, 246, 131-6; discussion 137	3.3	18
15	Poliovirus and its cellular receptor: a molecular genetic dissection of a virus/receptor affinity interaction. *Journal of Molecular Recognition*, **1998**, 11, 2-9	2.6	11

14	EDG6, a novel G-protein-coupled receptor related to receptors for bioactive lysophospholipids, is specifically expressed in lymphoid tissue. *Genomics*, **1998**, 53, 164-9	4.3	212
13	Downstream activation of a TATA-less promoter by Oct-2, Bob1, and NF-kappaB directs expression of the homing receptor BLR1 to mature B cells. *Journal of Biological Chemistry*, **1998**, 273, 28831-6	5.4	58
12	The promoters for human and monkey poliovirus receptors. Requirements for basic and cell type-specific activity. *Journal of Biological Chemistry*, **1997**, 272, 5579-86	5.4	32
11	Analyzing cytotoxic T lymphocyte activity: a simple and reliable flow cytometry-based assay. *Journal of Immunological Methods*, **1997**, 204, 135-42	2.5	52
10	Canyon rim residues, including antigenic determinants, modulate serotype-specific binding of polioviruses to mutants of the poliovirus receptor. *Virology*, **1995**, 214, 559-70	3.6	77
9	The human poliovirus receptor. Receptor-virus interaction and parameters of disease specificity. *Annals of the New York Academy of Sciences*, **1995**, 753, 19-36	6.5	13
8	Cleavage site of the poliovirus receptor signal sequence. *Journal of General Virology*, **1994**, 75 (Pt 8), 1875-81	4.9	7
7	Molecular characterization of the cellular receptor for poliovirus. *Virology*, **1994**, 199, 105-13	3.6	53
6	Interaction of poliovirus with its cell surface binding site. *Virology*, **1994**, 201, 107-15	3.6	20
5	The poliovirus receptor: identification of domains and amino acid residues critical for virus binding. *Virology*, **1994**, 203, 344-56	3.6	65
4	Sulphation of a repetitive saccharide in halobacterial cell wall glycoprotein. *FEBS Letters*, **1981**, 132, 319-323	3.8	27
3	Halobacterial glycoprotein saccharides contain covalently linked sulphate. *FEBS Letters*, **1980**, 120, 110-4	3.8	60
2	Humoral and cellular immune response against SARS-CoV-2 variants following heterologous and homologous ChAdOx1 nCoV-19/BNT162b2 vaccination		6
1	BNT162b2 boosted immune responses six months after heterologous or homologous ChAdOx1nCoV-19/BNT162b2 vaccination against COVID-19		1