

# Birgitta Agerberth

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

10,192  
citations

50276

46  
h-index

39675

94  
g-index

97  
all docs

97  
docs citations

97  
times ranked

9921  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Novel Inducer of Innate Immunity HO53 Stimulates Autophagy in Human Airway Epithelial Cells. <i>Journal of Innate Immunity</i> , 2022, 14, 477-492.	3.8	2
2	Immunomodulatory Agents Combat Multidrug-Resistant Tuberculosis by Improving Antimicrobial Immunity. <i>Journal of Infectious Diseases</i> , 2021, 224, 332-344.	4.0	13
3	Gut microbiotaâ€CRAMP axis shapes intestinal barrier function and immune responses in dietary glutenâ€Cinduced enteropathy. <i>EMBO Molecular Medicine</i> , 2021, 13, e14059.	6.9	10
4	Citrullination Alters the Antibacterial and Anti-Inflammatory Functions of the Host Defense Peptide Canine Cathelicidin K9CATH In Vitro. <i>Journal of Immunology</i> , 2021, 207, 974-984.	0.8	1
5	Host-Directed Therapy as a Novel Treatment Strategy to Overcome Tuberculosis: Targeting Immune Modulation. <i>Antibiotics</i> , 2020, 9, 21.	3.7	28
6	The anti-microbial peptide LL-37/CRAMP levels are associated with acute heart failure and can attenuate cardiac dysfunction in multiple preclinical models of heart failure. <i>Theranostics</i> , 2020, 10, 6167-6181.	10.0	20
7	Slow radiological improvement and persistent low-grade inflammation after chemotherapy in tuberculosis patients with type 2 diabetes. <i>BMC Infectious Diseases</i> , 2020, 20, 933.	2.9	8
8	Host Directed Therapy Against Infection by Boosting Innate Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 1209.	4.8	37
9	Innate Effector Systems in Primary Human Macrophages Sensitize Multidrug-Resistant <i>Klebsiella pneumoniae</i> to Antibiotics. <i>Infection and Immunity</i> , 2020, 88, .	2.2	3
10	Cathelicidinâ€Crelated antimicrobial peptide protects against ischaemia reperfusionâ€Cinduced acute kidney injury in mice. <i>British Journal of Pharmacology</i> , 2020, 177, 2726-2742.	5.4	30
11	Studies on citrullinated LL-37: detection in human airways, antibacterial effects and biophysical properties. <i>Scientific Reports</i> , 2020, 10, 2376.	3.3	18
12	Low Methoxyl Pectin Protects against Autoimmune Diabetes and Associated Caecal Dysfunction. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900307.	3.3	19
13	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. <i>Frontiers in Immunology</i> , 2019, 10, 1733.	4.8	47
14	<i>Klebsiella pneumoniae</i> Expressing VIM-1 Metallo-Î²-Lactamase Is Resensitized to Cefotaxime via Thiol-Mediated Zinc Chelation. <i>Infection and Immunity</i> , 2019, 88, .	2.2	6
15	Novel aroylated phenylenediamine compounds enhance antimicrobial defense and maintain airway epithelial barrier integrity. <i>Scientific Reports</i> , 2019, 9, 7114.	3.3	12
16	Innate lymphoid cell type 3â€Cderived interleukin-22 boosts lipocalin-2 production in intestinal epithelial cells via synergy between STAT3 and NF-Î²B. <i>Journal of Biological Chemistry</i> , 2019, 294, 6027-6041.	3.4	27
17	Cathelicidin-related antimicrobial peptide protects against myocardial ischemia/reperfusion injury. <i>BMC Medicine</i> , 2019, 17, 42.	5.5	56
18	Cathelicidin Contributes to the Restriction of <i>Leishmania</i> in Human Host Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 2697.	4.8	18

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19	The host defense peptide LL-37 is detected in human parotid and submandibular/sublingual saliva and expressed in glandular neutrophils. <i>European Journal of Oral Sciences</i> , 2018, 126, 93-100.	1.5	9
20	Immune responses in the treatment of drug-sensitive pulmonary tuberculosis with phenylbutyrate and vitamin D3 as host directed therapy. <i>BMC Infectious Diseases</i> , 2018, 18, 303.	2.9	35
21	Prostaglandin E <sub>2</sub> suppresses hCAP18/LL-37 expression in human macrophages via EP2/EP4: implications for treatment of <i>Mycobacterium tuberculosis</i> infection. <i>FASEB Journal</i> , 2018, 32, 2827-2840.	0.5	30
22	Lactose Induces Phenotypic and Functional Changes of Neutrophils and Macrophages to Alleviate Acute Pancreatitis in Mice. <i>Frontiers in Immunology</i> , 2018, 9, 751.	4.8	28
23	A novel cysteine-linked antibacterial surface coating significantly inhibits bacterial colonization of nasal silicone prongs in a phase one pre-clinical trial. <i>Materials Science and Engineering C</i> , 2018, 93, 782-789.	7.3	10
24	The Antimicrobial Peptide Cathelicidin protects against ischemia reperfusion-induced acute kidney injury. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-3-7.	0.0	0
25	Treatment with Entinostat Heals Experimental Cholera by Affecting Physical and Chemical Barrier Functions of Intestinal Epithelia. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	16
26	The host defense peptide LL-37 a possible inducer of the type I interferon system in patients with polymyositis and dermatomyositis. <i>Journal of Autoimmunity</i> , 2017, 78, 46-56.	6.5	25
27	Assays for Identifying Inducers of the Antimicrobial Peptide LL-37. <i>Methods in Molecular Biology</i> , 2017, 1548, 271-281.	0.9	3
28	Glucocorticoid dexamethasone down-regulates basal and vitamin D3 induced cathelicidin expression in human monocytes and bronchial epithelial cell line. <i>Immunobiology</i> , 2016, 221, 245-252.	1.9	19
29	Entinostat up-regulates the CAMP gene encoding LL-37 via activation of STAT3 and HIF-1 $\alpha$ transcription factors. <i>Scientific Reports</i> , 2016, 6, 33274.	3.3	38
30	Significant Effects of Oral Phenylbutyrate and Vitamin D3 Adjunctive Therapy in Pulmonary Tuberculosis: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0138340.	2.5	125
31	Phenylbutyrate induces LL-37-dependent autophagy and intracellular killing of <i>Mycobacterium tuberculosis</i> in human macrophages. <i>Autophagy</i> , 2015, 11, 1688-1699.	9.1	162
32	Pancreatic $\beta$ -Cells Limit Autoimmune Diabetes via an Immunoregulatory Antimicrobial Peptide Expressed under the Influence of the Gut Microbiota. <i>Immunity</i> , 2015, 43, 304-317.	14.3	247
33	Phenylbutyrate induces cathelicidin expression via the vitamin D receptor: Linkage to inflammatory and growth factor cytokines pathways. <i>Molecular Immunology</i> , 2015, 63, 530-539.	2.2	37
34	Ciprofloxacin Affects Host Cells by Suppressing Expression of the Endogenous Antimicrobial Peptides Cathelicidins and Beta-Defensin-3 in Colon Epithelia. <i>Antibiotics</i> , 2014, 3, 353-374.	3.7	11
35	Vitamin D3 and phenylbutyrate promote development of a human dendritic cell subset displaying enhanced antimicrobial properties. <i>Journal of Leukocyte Biology</i> , 2014, 95, 883-891.	3.3	25
36	Label-Free Quantitative Mass Spectrometry Reveals Novel Pathways Involved in LL-37 Expression. <i>Journal of Innate Immunity</i> , 2014, 6, 365-376.	3.8	10

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37	Boosting innate immunity: Development and validation of a cell-based screening assay to identify LL-37 inducers. <i>Innate Immunity</i> , 2014, 20, 364-376.	2.4	28
38	Antimicrobial peptide LL-37 promotes bacterial phagocytosis by human macrophages. <i>Journal of Leukocyte Biology</i> , 2014, 95, 971-981.	3.3	122
39	Cathelicidin LL-37 induces time-resolved release of LTB <sub>4</sub> and TXA <sub>2</sub> by human macrophages and triggers eicosanoid generation <i>in vivo</i> . <i>FASEB Journal</i> , 2014, 28, 3456-3467.	0.5	29
40	Narcolepsy patients have antibodies that stain distinct cell populations in rat brain and influence sleep patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3735-44.	7.1	71
41	A review of the innate immune defence of the human foetus and newborn, with the emphasis on antimicrobial peptides. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, 1000-1008.	1.5	42
42	Crosstalk between neutrophils, B-1a cells and plasmacytoid dendritic cells initiates autoimmune diabetes. <i>Nature Medicine</i> , 2013, 19, 65-73.	30.7	370
43	Treatment with phenylbutyrate in a pre-clinical trial reduces diarrhea due to enteropathogenic <i>Escherichia coli</i> : link to cathelicidin induction. <i>Microbes and Infection</i> , 2013, 15, 939-950.	1.9	22
44	Oral intake of phenylbutyrate with or without vitamin D <sub>3</sub> upregulates the cathelicidin LL-37 in human macrophages: a dose finding study for treatment of tuberculosis. <i>BMC Pulmonary Medicine</i> , 2013, 13, 23.	2.0	78
45	The cathelicidins LL-37 and rCRAMP are associated with pathogenic events of arthritis in humans and rats. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 1239-1248.	0.9	73
46	Lactose in Human Breast Milk an Inducer of Innate Immunity with Implications for a Role in Intestinal Homeostasis. <i>PLoS ONE</i> , 2013, 8, e53876.	2.5	76
47	Helping the Host: Induction of Antimicrobial Peptides as a Novel Therapeutic Strategy Against Infections. , 2013, , 359-375.		1
48	LL-37 is expressed in the inflamed synovium in patients with rheumatoid arthritis and downregulated by TNF inhibitors. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A12.1-A12.	0.9	6
49	The antimicrobial peptide rCRAMP is strongly upregulated during experimental arthritis in the rat. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A29.2-A29.	0.9	1
50	Induction of the human cathelicidin LL-37 as a novel treatment against bacterial infections. <i>Journal of Leukocyte Biology</i> , 2012, 92, 735-742.	3.3	94
51	Efficacy of sodium butyrate adjunct therapy in shigellosis: a randomized, double-blind, placebo-controlled clinical trial. <i>BMC Infectious Diseases</i> , 2012, 12, 111.	2.9	73
52	Differential Host Immune Responses to Epidemic and Endemic Strains of <i>Shigella dysenteriae</i> Type 1. <i>Journal of Health, Population and Nutrition</i> , 2011, 29, 429-37.	2.0	18
53	Antimicrobial peptides important in innate immunity. <i>FEBS Journal</i> , 2011, 278, 3942-3951.	4.7	198
54	Phenylbutyrate Counteracts <i>Shigella</i> Mediated Downregulation of Cathelicidin in Rabbit Lung and Intestinal Epithelia: A Potential Therapeutic Strategy. <i>PLoS ONE</i> , 2011, 6, e20637.	2.5	78

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55	Impaired Release of Antimicrobial Peptides into Nasal Fluid of Hyper-IgE and CVID Patients. PLoS ONE, 2011, 6, e29316.	2.5	9
56	Specificity in Killing Pathogens Is Mediated by Distinct Repertoires of Human Neutrophil Peptides. Journal of Innate Immunity, 2010, 2, 508-521.	3.8	28
57	Uropathogenic Escherichia coli Modulates Immune Responses and Its Curli Fimbriae Interact with the Antimicrobial Peptide LL-37. PLoS Pathogens, 2010, 6, e1001010.	4.7	203
58	Battle and balance at mucosal surfaces – The story of Shigella and antimicrobial peptides. Biochemical and Biophysical Research Communications, 2010, 396, 116-119.	2.1	27
59	Phenylbutyrate Induces Antimicrobial Peptide Expression. Antimicrobial Agents and Chemotherapy, 2009, 53, 5127-5133.	3.2	120
60	PU.1 and bacterial metabolites regulate the human gene CAMP encoding antimicrobial peptide LL-37 in colon epithelial cells. Molecular Immunology, 2008, 45, 3947-3955.	2.2	75
61	Chapter 6 Viktor Mutt: A Giant in the Field of Bioactive Peptides. Comprehensive Chemical Kinetics, 2008, , 397-416.	2.3	5
62	Cathelicidin LL-37 in Severe <i>Streptococcus pyogenes</i> Soft Tissue Infections in Humans. Infection and Immunity, 2008, 76, 3399-3404.	2.2	79
63	The role of the multifunctional peptide LL-37 in host defense. Frontiers in Bioscience - Landmark, 2008, Volume, 3760.	3.0	116
64	Leukotriene B 4 triggers release of the cathelicidin LL-37 from human neutrophils: novel lipid-peptide interactions in innate immune responses. FASEB Journal, 2007, 21, 2897-2905.	0.5	62
65	Antimicrobial Components of the Neonatal Gut Affected Upon Colonization. Pediatric Research, 2007, 61, 530-536.	2.3	53
66	The antimicrobial peptide cathelicidin protects the urinary tract against invasive bacterial infection. Nature Medicine, 2006, 12, 636-641.	30.7	553
67	Induction of the Antimicrobial Peptide CRAMP in the Blood-Brain Barrier and Meninges after Meningococcal Infection. Infection and Immunity, 2006, 74, 6982-6991.	2.2	82
68	Involvement of the Antimicrobial Peptide LL-37 in Human Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1551-1557.	2.4	139
69	Improved outcome in shigellosis associated with butyrate induction of an endogenous peptide antibiotic. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9178-9183.	7.1	259
70	The antimicrobial peptide rCRAMP is present in the central nervous system of the rat. Journal of Neurochemistry, 2005, 93, 1132-1140.	3.9	34
71	Neisseria gonorrhoeae downregulates expression of the human antimicrobial peptide LL-37. Cellular Microbiology, 2005, 7, 1009-1017.	2.1	102
72	Isolation and identification of antimicrobial components from the epidermal mucus of Atlantic cod (Gadus morhua). FEBS Journal, 2005, 272, 4960-4969.	4.7	119

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73	Expression and Activity of $\hat{I}^2$ -Defensins and LL-37 in the Developing Human Lung. <i>Journal of Immunology</i> , 2005, 174, 1608-1615.	0.8	105
74	Antibacterial Activities of the Cathelicidins Prophenin (Residues 62 to 79) and LL-37 in the Presence of a Lung Surfactant Preparation. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2097-2100.	3.2	42
75	First line of defense in early human life. <i>Seminars in Perinatology</i> , 2004, 28, 304-311.	2.5	33
76	Identification of a potent antibacterial factor isolated from bronchoalveolar lavage fluid: guanidine,N-[3-[(aminoiminomethyl)amino]propyl]-N-dodecyl, a potential source of error in the analysis of antibacterial agents. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 183-191.	1.5	2
77	Antimicrobial peptides in the first line defence of human colon mucosa. <i>Peptides</i> , 2003, 24, 523-530.	2.4	127
78	Antimicrobial Polypeptides of Human Vernix Caseosa and Amniotic Fluid: Implications for Newborn Innate Defense. <i>Pediatric Research</i> , 2003, 53, 211-216.	2.3	168
79	Antimicrobial Polypeptides of Human Vernix Caseosa and Amniotic Fluid: Implications for Newborn Innate Defense. <i>Pediatric Research</i> , 2003, 53, 211-216.	2.3	90
80	Cutaneous Injury Induces the Release of Cathelicidin Anti-Microbial Peptides Active Against Group A Streptococcus. <i>Journal of Investigative Dermatology</i> , 2001, 117, 91-97.	0.7	488
81	Downregulation of bactericidal peptides in enteric infections: A novel immune escape mechanism with bacterial DNA as a potential regulator. <i>Nature Medicine</i> , 2001, 7, 180-185.	30.7	386
82	The human antimicrobial and chemotactic peptides LL-37 and $\hat{I}^{\pm}$ -defensins are expressed by specific lymphocyte and monocyte populations. <i>Blood</i> , 2000, 96, 3086-3093.	1.4	662
83	The human antimicrobial and chemotactic peptides LL-37 and $\hat{I}^{\pm}$ -defensins are expressed by specific lymphocyte and monocyte populations. <i>Blood</i> , 2000, 96, 3086-3093.	1.4	11
84	Structure and organization of the human antimicrobial peptide LL-37 in phospholipid membranes: relevance to the molecular basis for its non-cell-selective activity. <i>Biochemical Journal</i> , 1999, 341, 501-513.	3.7	494
85	Antibacterial Components in Bronchoalveolar Lavage Fluid from Healthy Individuals and Sarcoidosis Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 160, 283-290.	5.6	154
86	Neutrophil antibacterial peptides, multifunctional effector molecules in the mammalian immune system. <i>Journal of Immunological Methods</i> , 1999, 232, 45-54.	1.4	154
87	Conformation-dependent Antibacterial Activity of the Naturally Occurring Human Peptide LL-37. <i>Journal of Biological Chemistry</i> , 1998, 273, 3718-3724.	3.4	547
88	Apolipoprotein A-I Binds and Inhibits the Human Antibacterial/Cytotoxic Peptide LL-37. <i>Journal of Biological Chemistry</i> , 1998, 273, 33115-33118.	3.4	116
89	The Expression of the Gene Coding for the Antibacterial Peptide LL-37 Is Induced in Human Keratinocytes during Inflammatory Disorders. <i>Journal of Biological Chemistry</i> , 1997, 272, 15258-15263.	3.4	698
90	PR-39, a proline-rich peptide antibiotic from pig, and FALL-39, a tentative human counterpart. <i>Veterinary Immunology and Immunopathology</i> , 1996, 54, 127-131.	1.2	18

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91	Biochemical and Antibacterial Analysis of Human Wound and Blister Fluid. FEBS Journal, 1996, 237, 86-92.	0.2	192
92	The Human Gene <i>FALL39</i> and Processing of the Cathelin Precursor to the Antibacterial Peptide LL-37 in Granulocytes. FEBS Journal, 1996, 238, 325-332.	0.2	502
93	Isolation of three antibacterial peptides from pig intestine: gastric inhibitory polypeptide(7-42), diazepam-binding inhibitor(32-86) and a novel factor, peptide 3910. FEBS Journal, 1993, 216, 623-629.	0.2	71
94	Pancreatic secretory trypsin inhibitor (PSTI) isolated from pig intestine Influence on insulin and somatostatin release. FEBS Letters, 1991, 281, 227-230.	2.8	5
95	Direct analysis of peptides and amino acids from capillary electrophoresis. FEBS Letters, 1991, 283, 100-103.	2.8	49
96	Amino acid sequence of PR-39. Isolation from pig intestine of a new member of the family of proline-arginine-rich antibacterial peptides. FEBS Journal, 1991, 202, 849-854.	0.2	321
97	Isolation and characterization of porcine diazepam-binding inhibitor, a polypeptide not only of cerebral occurrence but also common in intestinal tissues and with effects on regulation of insulin release. FEBS Journal, 1988, 174, 239-244.	0.2	127