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**Critical role of lipid composition in membrane permeabilization by rabbit neutrophil defensins**

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#	Paper	IF	Citations
120	Animal antimicrobial peptides: an overview. <b>1998</b> , 47, 415-33		441
119	The dependence of membrane permeability by the antibacterial peptide cecropin B and its analogs, CB-1 and CB-3, on liposomes of different composition. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 27438-48	5.4	73
118	IV. Paneth cell antimicrobial peptides and the biology of the mucosal barrier. <b>1999</b> , 277, G257-61		34
117	The cellular target of histatin 5 on <i>Candida albicans</i> is the energized mitochondrion. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 7286-91	5.4	210
116	The effect of pH on the structure, binding and model membrane lysis by cecropin B and analogs. <b>1999</b> , 1473, 418-30		16
115	Interaction of antimicrobial peptides with biological and model membranes: structural and charge requirements for activity. <b>1999</b> , 1462, 29-54		251
114	Membrane protein folding and stability: physical principles. <b>1999</b> , 28, 319-65		1468
113	Membrane lysis by the antibacterial peptides cecropins B1 and B3: A spin-label electron spin resonance study on phospholipid bilayers. <b>1999</b> , 77, 3120-33		38
112	Combinatorial libraries: a tool to design antimicrobial and antifungal peptide analogues having lytic specificities for structure-activity relationship studies. <b>2000</b> , 55, 74-87		106
111	Conformational study of a custom antibacterial peptide cecropin B1: implications of the lytic activity. <b>2000</b> , 1479, 275-85		30
110	Effects of the antibiotic peptide microcin J25 on liposomes: role of acyl chain length and negatively charged phospholipid. <b>2000</b> , 1509, 65-72		26
109	Three-dimensional structure of RK-1: a novel alpha-defensin peptide. <b>2000</b> , 39, 15757-64		31
108	The structure of human beta-defensin-2 shows evidence of higher order oligomerization. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32911-8	5.4	253
107	Interaction of polyphemusin I and structural analogs with bacterial membranes, lipopolysaccharide, and lipid monolayers. <b>2000</b> , 39, 14504-14		96
106	Detergent-like permeabilization of anionic lipid vesicles by melittin. <b>2001</b> , 1514, 253-60		191
105	Interaction of cationic antimicrobial peptides with model membranes. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 35714-22	5.4	293
104	LUVs lipid composition modulates diffusion of bile acids. <b>2001</b> , 110, 165-71		13

103	Susceptibilities of oral bacteria and yeast to mammalian cathelicidins. <b>2001</b> , 45, 3216-9		56
102	The solution structures of the human beta-defensins lead to a better understanding of the potent bactericidal activity of HBD3 against <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 8279-89	5.4	282
101	The energetics of peptide-lipid interactions: Modulation by interfacial dipoles and cholesterol. <b>2002</b> , 309-338		6
100	Mammalian defensins in immunity: more than just microbicidal. <b>2002</b> , 23, 291-6		572
99	Single disulfide and linear analogues corresponding to the carboxy-terminal segment of bovine beta-defensin-2: effects of introducing the beta-hairpin nucleating sequence d-pro-gly on antibacterial activity and Biophysical properties. <b>2003</b> , 42, 9307-15		44
98	Lipopolysaccharides in bacterial membranes act like cholesterol in eukaryotic plasma membranes in providing protection against melittin-induced bilayer lysis. <b>2003</b> , 42, 1101-8		56
97	Molecular basis for membrane selectivity of NK-2, a potent peptide antibiotic derived from NK-lysin. <b>2003</b> , 1612, 164-71		42
96	Innate immunity to herpes simplex virus type 2. <b>2003</b> , 16, 475-90		42
95	Interactions of mouse Paneth cell alpha-defensins and alpha-defensin precursors with membranes. Prosegment inhibition of peptide association with biomimetic membranes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 13838-46	5.4	89
94	Review: Towards antibacterial strategies: studies on the mechanisms of interaction between antibacterial peptides and model membranes. <b>2003</b> , 9, 67-84		4
93	Antimicrobial characterization of human beta-defensin 3 derivatives. <b>2003</b> , 47, 2804-9		207
92	Fluorescence assays for liposome fusion. <b>2003</b> , 372, 260-74		18
91	Biophysical characterization of endotoxin inactivation by NK-2, an antimicrobial peptide derived from mammalian NK-lysin. <b>2004</b> , 48, 1593-9		90
90	Antimicrobial proteins and peptides: anti-infective molecules of mammalian leukocytes. <b>2004</b> , 76, 909-25		127
89	Structure-activity determinants in paneth cell alpha-defensins: loss-of-function in mouse cryptdin-4 by charge-reversal at arginine residue positions. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 11976-83	5.4	57
88	Hydrophobicity: an ancient damage-associated molecular pattern that initiates innate immune responses. <b>2004</b> , 4, 469-78		940
87	Defensin-mediated innate immunity in the small intestine. <b>2004</b> , 18, 405-19		69
86	The interaction of an antimicrobial decapeptide with phospholipid vesicles. <b>2004</b> , 25, 675-83		10

85	Mammalian defensins in the antimicrobial immune response. <b>2005</b> , 6, 551-7	934
84	Antimicrobial peptides: pore formers or metabolic inhibitors in bacteria?. <b>2005</b> , 3, 238-50	4060
83	Paneth cell alpha-defensins: peptide mediators of innate immunity in the small intestine. <b>2005</b> , 27, 133-46	51
82	Functional interrelationships between cell membrane and cell wall in antimicrobial peptide-mediated killing of <i>Staphylococcus aureus</i> . <b>2005</b> , 49, 3114-21	106
81	Reconstruction of the conserved beta-bulge in mammalian defensins using D-amino acids. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 32921-9	5-4 60
80	Activity of the de novo engineered antimicrobial peptide WLBU2 against <i>Pseudomonas aeruginosa</i> in human serum and whole blood: implications for systemic applications. <b>2005</b> , 49, 3208-16	121
79	Effects of the terminal charges in human neutrophil alpha-defensin 2 on its bactericidal and membrane activity. <b>2005</b> , 26, 2377-83	19
78	Lipid-specific membrane activity of human beta-defensin-3. <b>2006</b> , 45, 5663-70	35
77	Design and synthesis of novel antimicrobial peptides on the basis of alpha helical domain of Tenecin 1, an insect defensin protein, and structure-activity relationship study. <b>2006</b> , 27, 640-8	36
76	Defensins in innate antiviral immunity. <b>2006</b> , 6, 447-56	384
75	Membrane interaction of islet amyloid polypeptide. <b>2007</b> , 1768, 2002-9	144
74	Aggregation and hemi-fusion of anionic vesicles induced by the antimicrobial peptide cryptdin-4. <b>2007</b> , 1768, 1796-804	28
73	Impact of pro segments on the folding and function of human neutrophil alpha-defensins. <b>2007</b> , 368, 537-49	28
72	Study of the interaction of human defensins with cell membrane models: relationships between structure and biological activity. <b>2007</b> , 111, 11318-29	32
71	The lipid dependence of melittin action investigated by dual-color fluorescence burst analysis. <b>2007</b> , 93, 154-63	45
70	Genetics of the innate immune response in inflammatory bowel disease. <b>2007</b> , 13, 338-55	56
69	Binding orientation and activity determinants of the antimicrobial peptide cryptdin-4 revealed by potency of mutants. <b>2007</b> , 60, 236-42	2
68	Interaction of antibacterial peptides spanning the carboxy-terminal region of human beta-defensins 1-3 with phospholipids at the air-water interface and inner membrane of <i>E. coli</i> . <b>2008</b> , 29, 7-14	13

67	Single-molecule investigation of the interactions between reconstituted planar lipid membranes and an analogue of the HP(2-20) antimicrobial peptide. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 373, 467-72	3-4	26
66	Influence of lipid composition on membrane activity of antimicrobial phenylene ethynylene oligomers. <b>2008</b> , 112, 3495-502		92
65	Mechanisms of alpha-defensin bactericidal action: comparative membrane disruption by Cryptdin-4 and its disulfide-null analogue. <b>2008</b> , 47, 12626-34		40
64	Biomolecular engineering by combinatorial design and high-throughput screening: small, soluble peptides that permeabilize membranes. <b>2008</b> , 130, 9849-58		110
63	Synthesis, structure, and activities of an oral mucosal alpha-defensin from rhesus macaque. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 35869-77	5-4	5
62	Anionic amino acids near the pro-alpha-defensin N terminus mediate inhibition of bactericidal activity in mouse pro-cryptdin-4. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 6826-31	5-4	23
61	Indolicidin-derived antimicrobial peptide analogs with greater bacterial selectivity and requirements for antibacterial and hemolytic activities. <b>2009</b> , 1794, 185-92		15
60	Synthesis of antibacterial pseudopeptides with less hemolytic activity from a cytotoxic peptide and their pH-dependent activity. <b>2009</b> , 19, 5627-31		3
59	Different modes of membrane permeabilization by two RTX toxins: HlyA from <i>Escherichia coli</i> and CyaA from <i>Bordetella pertussis</i> . <b>2009</b> , 1788, 1249-54		13
58	Molecular mechanisms of late apoptotic/necrotic cell clearance. <b>2010</b> , 17, 381-97		222
57	Membrane aggregation and perturbation induced by antimicrobial peptide of S-thanatin. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 395, 31-5	3-4	26
56	Selective toxicity of antimicrobial peptide S-thanatin on bacteria. <b>2010</b> , 31, 1669-73		26
55	Energetics of peptide and protein binding to lipid membranes. <b>2010</b> , 677, 14-23		8
54	Describing the mechanism of antimicrobial peptide action with the interfacial activity model. <b>2010</b> , 5, 905-17		638
53	The membrane-bound structure and topology of a human alpha-defensin indicate a dimer pore mechanism for membrane disruption. <b>2010</b> , 49, 9770-82		66
52	Development of Antimicrobial Peptides as Therapeutic Agents. <b>2011</b> , 1		1
51	Solution structure of LCI, a novel antimicrobial peptide from <i>Bacillus subtilis</i> . <b>2011</b> , 50, 3621-7		35
50	Investigating the effects of L- to D-amino acid substitution and deamidation on the activity and membrane interactions of antimicrobial peptide anoplín. <b>2011</b> , 1808, 1592-600		27

49	Membrane integrity and amyloid cytotoxicity: a model study involving mitochondria and lysozyme fibrillation products. <b>2011</b> , 409, 826-38	48
48	Innate immunity in the human female reproductive tract: endocrine regulation of endogenous antimicrobial protection against HIV and other sexually transmitted infections. <b>2011</b> , 65, 196-211	109
47	Mucin dynamics and enteric pathogens. <b>2011</b> , 9, 265-78	893
46	Membrane-active host defense peptides--challenges and perspectives for the development of novel anticancer drugs. <b>2011</b> , 164, 766-81	305
45	Paneth cell $\beta$ -defensins in enteric innate immunity. <b>2011</b> , 68, 2215-29	105
44	Antimicrobial peptides: successes, challenges and unanswered questions. <b>2011</b> , 239, 27-34	342
43	The insect peptide coprisin prevents <i>Clostridium difficile</i> -mediated acute inflammation and mucosal damage through selective antimicrobial activity. <b>2011</b> , 55, 4850-7	29
42	CXCL17 is a mucosal chemokine elevated in idiopathic pulmonary fibrosis that exhibits broad antimicrobial activity. <b>2012</b> , 188, 6399-406	53
41	Paneth Cells. <b>2012</b> , 1211-1228	1
40	Endolytic, pH-responsive HPMA-b-(L-Glu) copolymers synthesized via sequential aqueous RAFT and ring-opening polymerizations. <b>2013</b> , 14, 3793-9	12
39	A membrane-translocating peptide penetrates into bilayers without significant bilayer perturbations. <b>2013</b> , 104, 2419-28	34
38	A critical evaluation of random copolymer mimesis of homogeneous antimicrobial peptides. <b>2013</b> , 46, 1908-1915	64
37	Differential Susceptibility of Bacteria to Mouse Paneth Cell $\beta$ -Defensins under Anaerobic Conditions. <b>2014</b> , 3, 493-508	2
36	Secreted mucosal antimicrobials in the female reproductive tract that are important to consider for HIV prevention. <b>2014</b> , 71, 575-88	16
35	Defensin-based anti-infective strategies. <b>2014</b> , 304, 93-9	46
34	Highly efficient macromolecule-sized poration of lipid bilayers by a synthetically evolved peptide. <b>2014</b> , 136, 4724-31	54
33	Structural basis for antimicrobial activity of lasiocepsin. <b>2014</b> , 15, 301-8	7
32	Permeabilization assay for antimicrobial peptides based on pore-spanning lipid membranes on nanoporous alumina. <b>2014</b> , 30, 4767-74	7

31	Microemulsions: Biomimetic Systems for Characterization of Biomembranes and Their Associated Biomolecules. <b>2014</b> , 196-215		1
30	Defensins in Enteric Mucosal Immunity. <b>2015</b> , 271-285		4
29	Membrane interaction of antimicrobial peptides using E. coli lipid extract as model bacterial cell membranes and SFG spectroscopy. <b>2015</b> , 187, 20-33		23
28	Structure-Activity Relationships in the Host-Defense Antimicrobial Peptides Defensins. <b>2015</b> , 69-97		1
27	Determining the Effects of Membrane-Interacting Peptides on Membrane Integrity. <b>2015</b> , 1324, 89-106		18
26	Fungicidal effect of isoquercitrin via inducing membrane disturbance. <b>2015</b> , 1848, 695-701		40
25	Simulations of Membrane-Disrupting Peptides II: AMP Piscidin 1 Favors Surface Defects over Pores. <b>2016</b> , 111, 1258-1266		43
24	Membrane phase characteristics control NA-CATH activity. <b>2016</b> , 1858, 1974-1982		3
23	Reduced levels of genital tract immune biomarkers in postmenopausal women: implications for HIV acquisition. <b>2016</b> , 215, 324.e1-324.e10		16
22	The association of defensin HNP-2 with negatively charged membranes: A combined fluorescence and linear dichroism study. <b>2016</b> , 1858, 892-903		2
21	Fluorescence and Absorbance Spectroscopy Methods to Study Membrane Perturbations by Antimicrobial Host Defense Peptides. <b>2017</b> , 1548, 141-157		5
20	Rifampin- or Capreomycin-Induced Remodeling of the Mycolic Acid Layer Is Mitigated in Synergistic Combinations with Cationic Antimicrobial Peptides. <i>MSphere</i> , <b>2018</b> , 3,	5	6
19	Turbot ( <i>Scophthalmus maximus</i> ) Nk-lysin induces protection against the pathogenic parasite <i>Philasterides dicentrarchi</i> via membrane disruption. <i>Fish and Shellfish Immunology</i> , <b>2018</b> , 82, 190-199	4-3	21
18	Aromatic-rich C-terminal region of LCI is a potent antimicrobial peptide in itself. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 519, 372-377	3-4	0
17	Mechanistic Landscape of Membrane-Permeabilizing Peptides. <i>Chemical Reviews</i> , <b>2019</b> , 119, 6040-6085	68.1	91
16	Liposomal membrane permeability assessment by fluorescence techniques: Main permeabilizing agents, applications and challenges. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 580, 119198	6.5	13
15	The Mechanism of Membrane Permeabilization by Peptides: Still an Enigma. <i>Australian Journal of Chemistry</i> , <b>2019</b> , 73, 96-103	1.2	18
14	Antimicrobial Defensins as multi-target inhibitors against amyloid formation and microbial infection. <i>Chemical Science</i> , <b>2021</b> , 12, 9124-9139	9.4	9

13	Hidden complexity in membrane permeabilization behavior of antimicrobial polycations. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 1475-1488	3.6	3
12	Paneth cell alpha-defensin synthesis and function. <i>Current Topics in Microbiology and Immunology</i> , <b>2006</b> , 306, 1-25	3.3	64
11	Rifampicin or capreomycin induced remodelling of the Mycobacterium smegmatis mycolic acid layer is mitigated in synergistic combinations with cationic antimicrobial peptides.		1
10	Defensins impair phagocytic killing by neutrophils in biomaterial-related infection. <i>Infection and Immunity</i> , <b>1999</b> , 67, 1640-5	3.7	29
9	Mammalian Antimicrobial Peptides. <b>2001</b> ,		1
8	Antimicrobial peptides as mediators of epithelial host defense. <i>Pediatric Research</i> , <b>1999</b> , 45, 785-94	3.2	215
7	Synergistic Action of Antimicrobial Lung Proteins against. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
6	Defensins: The natural peptide antibiotic. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 179, 114008	18.5	5
5	Bacterial Evasion of Host-Derived Antimicrobial Peptides on Mucosal Surfaces. <b>2000</b> , 19-40		
4	Gut Microbiota, Obesity and Metabolic Dysfunction. <i>Indonesian Biomedical Journal</i> , <b>2011</b> , 3, 150	2.6	
3	Antimicrobial Peptide Effectors of Small Intestinal Innate Immunity. 191-221		
2	BENZOATE GROUP ATTACHMENT TO TEMPO PROVIDES ENHANCED DISCRIMINATION OF LIPOSOMES FABRICATED USING HUMAN LUNG NORMAL AND CARCINOMA CELLS. <b>2022</b> , 7, 261-267		0
1	Etiology of viral induced acute liver failure and defensins as potential therapeutic agents in ALF treatment. 14,		0