

# Yukari Fujimoto

## List of Publications by Citations

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112  
papers

3,946  
citations

31  
h-index

60  
g-index

129  
ext. papers

4,415  
ext. citations

5.1  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
112	A critical role of RICK/RIP2 polyubiquitination in Nod-induced NF-kappaB activation. <i>EMBO Journal</i> , <b>2008</b> , 27, 373-83	13	386
111	Autophagic control of listeria through intracellular innate immune recognition in drosophila. <i>Nature Immunology</i> , <b>2008</b> , 9, 908-16	19.1	295
110	Various human epithelial cells express functional Toll-like receptors, NOD1 and NOD2 to produce anti-microbial peptides, but not proinflammatory cytokines. <i>Molecular Immunology</i> , <b>2007</b> , 44, 3100-11	4.3	247
109	Nod1 acts as an intracellular receptor to stimulate chemokine production and neutrophil recruitment in vivo. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 203-13	16.6	173
108	Muramyldipeptide and diaminopimelic acid-containing desmuramylpeptides in combination with chemically synthesized Toll-like receptor agonists synergistically induced production of interleukin-8 in a NOD2- and NOD1-dependent manner, respectively, in human monocytic cells in culture. <i>Cellular Microbiology</i> , <b>2005</b> , 7, 53-61	3.9	166
107	Nod1/RICK and TLR signaling regulate chemokine and antimicrobial innate immune responses in mesothelial cells. <i>Journal of Immunology</i> , <b>2007</b> , 179, 514-21	5.3	149
106	Regulatory roles for MD-2 and TLR4 in ligand-induced receptor clustering. <i>Journal of Immunology</i> , <b>2006</b> , 176, 6211-8	5.3	138
105	Differential release and distribution of Nod1 and Nod2 immunostimulatory molecules among bacterial species and environments. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 29054-63	5.4	129
104	Toll-like receptors, NOD1, and NOD2 in oral epithelial cells. <i>Journal of Dental Research</i> , <b>2006</b> , 85, 524-9	8.1	126
103	Molecular basis for bacterial peptidoglycan recognition by LysM domains. <i>Nature Communications</i> , <b>2014</b> , 5, 4269	17.4	108
102	Human peptidoglycan recognition protein S is an effector of neutrophil-mediated innate immunity. <i>Blood</i> , <b>2005</b> , 106, 2551-8	2.2	108
101	Chemically synthesized pathogen-associated molecular patterns increase the expression of peptidoglycan recognition proteins via toll-like receptors, NOD1 and NOD2 in human oral epithelial cells. <i>Cellular Microbiology</i> , <b>2005</b> , 7, 675-86	3.9	98
100	Nod1 ligands induce site-specific vascular inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1093-9	9.4	73
99	Sarcoidosis and NOD1 variation with impaired recognition of intracellular Propionibacterium acnes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2006</b> , 1762, 794-801	6.9	73
98	Synthesis of peptidoglycan fragments and evaluation of their biological activity. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 232-42	3.9	65
97	Meso-diaminopimelic acid and meso-lanthionine, amino acids specific to bacterial peptidoglycans, activate human epithelial cells through NOD1. <i>Journal of Immunology</i> , <b>2006</b> , 177, 1796-804	5.3	64
96	Chemical synthesis of Helicobacter pylori lipopolysaccharide partial structures and their selective proinflammatory responses. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 14464-74	4.8	56

95	Characterization of N-terminal structure of TLR2-activating lipoprotein in <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 9147-52	5-4	53
94	The peptide sequence of diacyl lipopeptides determines dendritic cell TLR2-mediated NK activation. <i>PLoS ONE</i> , <b>2010</b> , 5, e12550	3-7	44
93	Structural prerequisites for endotoxic activity in the <i>Limulus</i> test as compared to cytokine production in mononuclear cells. <i>Innate Immunity</i> , <b>2010</b> , 16, 39-47	2-7	44
92	A synthetic peptidoglycan fragment as a competitive inhibitor of the melanization cascade. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 7747-55	5-4	44
91	Synthesis of diaminopimelic acid containing peptidoglycan fragments and tracheal cytotoxin (TCT) and investigation of their biological functions. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 10318-30	4-8	42
90	Molecular cloning and functional characterization of porcine nucleotide-binding oligomerization domain-1 (NOD1) recognizing minimum agonists, meso-diaminopimelic acid and meso-lanthionine. <i>Molecular Immunology</i> , <b>2008</b> , 45, 1807-17	4-3	40
89	A role of lipophilic peptidoglycan-related molecules in induction of Nod1-mediated immune responses. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 11757-64	5-4	40
88	The attenuated inflammation of MPL is due to the lack of CD14-dependent tight dimerization of the TLR4/MD2 complex at the plasma membrane. <i>International Immunology</i> , <b>2014</b> , 26, 307-14	4-9	39
87	On the bioactive conformation of the rhodopsin chromophore: absolute sense of twist around the 6-s-cis bond. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 4198-204	4-8	39
86	Lymphoid tissue-resident <i>Alcaligenes</i> LPS induces IgA production without excessive inflammatory responses via weak TLR4 agonist activity. <i>Mucosal Immunology</i> , <b>2018</b> , 11, 693-702	9-2	36
85	Evidence of immunostimulating lipoprotein existing in the natural lipoteichoic acid fraction. <i>Infection and Immunity</i> , <b>2007</b> , 75, 1926-32	3-7	36
84	Stereoselective glycosylation using the long-range effect of a [2-(4-phenylbenzyl)oxycarbonyl]benzoyl group. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 441-447		35
83	Solution and biologically relevant conformations of enantiomeric 11-cis-locked cyclopropyl retinals. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 7294-302	16-4	34
82	Conformational changes during apoplastocyanin folding observed by photocleavable modification and transient grating. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7551-8	16-4	32
81	Innate immunomodulation by lipophilic termini of lipopolysaccharide; synthesis of lipid As from <i>Porphyromonas gingivalis</i> and other bacteria and their immunomodulative responses. <i>Molecular BioSystems</i> , <b>2013</b> , 9, 987-96		31
80	Synthesis of immunoregulatory <i>Helicobacter pylori</i> lipopolysaccharide partial structures. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 6577-6581	2	31
79	Synthesis and immunomodulatory activities of <i>Helicobacter pylori</i> lipophilic terminus of lipopolysaccharide including lipid A. <i>Carbohydrate Research</i> , <b>2012</b> , 356, 37-43	2-9	30
78	Synthesis of characteristic <i>Mycobacterium</i> peptidoglycan (PGN) fragments utilizing with chemoenzymatic preparation of meso-diaminopimelic acid (DAP), and their modulation of innate immune responses. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 1013-23	3-9	29

77	Nucleotide oligomerization binding domain-like receptor signaling enhances dendritic cell-mediated cross-priming in vivo. <i>Journal of Immunology</i> , <b>2010</b> , 184, 736-45	5.3	29
76	Proline cis/trans-isomerase Pin1 regulates peroxisome proliferator-activated receptor gamma activity through the direct binding to the activation function-1 domain. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 3126-32	5.4	27
75	Formal Total Synthesis of L-Ossamine via Decarboxylative Functionalization Using Visible-Light-Mediated Photoredox Catalysis in a Flow System. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 1248-1253	4.2	25
74	Multimeric bivalent immunogens from recombinant tetanus toxin HC fragment, synthetic hexasaccharides, and a glycopeptide adjuvant. <i>Glycoconjugate Journal</i> , <b>2010</b> , 27, 69-77	3	24
73	Syntheses and Immunological Evaluation of Self-Adjuvanting Clustered N-Acetyl and N-Propionyl Sialyl-Tn Combined with a T-helper Cell Epitope as Antitumor Vaccine Candidates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8219-8224	16.4	24
72	Bisphenol A 3,4-quinone induces the conversion of xanthine dehydrogenase into oxidase in vitro. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 2217-22	4.7	23
71	Synthesis of lipid A and its analogues for investigation of the structural basis for their bioactivity. <i>Journal of Endotoxin Research</i> , <b>2005</b> , 11, 341-7		23
70	Nickel-butadiene catalytic system for the cross-coupling of bromoalkanoic acids with alkyl Grignard reagents: a practical and versatile method for preparing fatty acids. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2956-60	4.8	22
69	Failure of mycoplasma lipoprotein MALP-2 to induce NK cell activation through dendritic cell TLR2. <i>Microbes and Infection</i> , <b>2011</b> , 13, 350-8	9.3	22
68	Regioselective phosphorylation of myo-inositol with BINOL-derived phosphoramidites and its application for protozoan lysophosphatidylinositol. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 6672-3	3.9	21
67	Peptidoglycan as Nod1 ligand; fragment structures in the environment, chemical synthesis, and their innate immunostimulation. <i>Natural Product Reports</i> , <b>2012</b> , 29, 568-79	15.1	20
66	Structures, synthesis, and human Nod1 stimulation of immunostimulatory bacterial peptidoglycan fragments in the environment. <i>Journal of Natural Products</i> , <b>2011</b> , 74, 518-25	4.9	20
65	Synthesis of lipid A monosaccharide analogues containing acidic amino acid: exploring the structural basis for the endotoxic and antagonistic activities. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 6759-77	3.4	20
64	Discovery of a Novel Scaffold as an Indoleamine 2,3-Dioxygenase 1 (IDO1) Inhibitor Based on the Pyrrolo piperazinone Alkaloid, Longamide B. <i>ChemMedChem</i> , <b>2016</b> , 11, 2682-2689	3.7	19
63	Widely Applicable Deprotection Method of 2,2,2-Trichloroethoxycarbonyl (Troc) Group Using Tetrabutylammonium Fluoride. <i>Journal of Carbohydrate Chemistry</i> , <b>2010</b> , 29, 289-298	1.7	19
62	Isolated Polar Amino Acid Residues Modulate Lipid Binding in the Large Hydrophobic Cavity of CD1d. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 3132-3139	4.9	18
61	Lipopeptides from Staphylococcus aureus as Tlr2 Ligands: prediction with mrna expression, chemical synthesis, and immunostimulatory activities. <i>ChemBioChem</i> , <b>2009</b> , 10, 2311-5	3.8	18
60	Synthesis of Rubrivivax gelatinosus Lipid A and Analogues for Investigation of the Structural Basis for Immunostimulating and Inhibitory Activities. <i>Bulletin of the Chemical Society of Japan</i> , <b>2008</b> , 81, 796-819	5.1	18

59	Chemical Synthesis of d-glycero-d-manno-Heptose 1,7-Bisphosphate and Evaluation of Its Ability to Modulate NF- $\kappa$ B Activation. <i>Organic Letters</i> , <b>2017</b> , 19, 3079-3082	6.2	17
58	Human SAP is a novel peptidoglycan recognition protein that induces complement-independent phagocytosis of Staphylococcus aureus. <i>Journal of Immunology</i> , <b>2013</b> , 191, 3319-27	5.3	17
57	Practical and Efficient Method for $\beta$ -Sialylation with an Azide Sialyl Donor Using a Microreactor. <i>Journal of Carbohydrate Chemistry</i> , <b>2014</b> , 33, 55-67	1.7	16
56	Separation and characterization of the immunostimulatory components in unpolished rice black vinegar (kurozu). <i>Journal of Bioscience and Bioengineering</i> , <b>2013</b> , 116, 688-96	3.3	16
55	Synthesis of crosslinked peptidoglycan fragments for investigation of their immunobiological functions. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 3631-3634	2	16
54	Chemical synthesis of peptidoglycan fragments for elucidation of the immunostimulating mechanism. <i>Journal of Endotoxin Research</i> , <b>2007</b> , 13, 189-96		16
53	Characterization of a Novel d-Glycero-d-talo-oct-2-ulosonic acid-substituted Lipid A Moiety in the Lipopolysaccharide Produced by the Acetic Acid Bacterium Acetobacter pasteurianus NBRC 3283. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 21184-21194	5.4	16
52	Glycan sequence-dependent Nod2 activation investigated by using a chemically synthesized bacterial peptidoglycan fragment library. <i>ChemBioChem</i> , <b>2013</b> , 14, 482-8	3.8	15
51	Characterization of natural human nucleotide-binding oligomerization domain protein 1 (Nod1) ligands from bacterial culture supernatant for elucidation of immune modulators in the environment. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 23607-13	5.4	13
50	Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid A. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10023-10031	16.4	13
49	Visible-light-mediated decarboxylative benzoyloxylation of $\beta$ -hydroxy amino acids and its application to synthesis of functional 1,2-amino alcohol derivatives. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 5787-5790	2	12
48	Potent Th2 Cytokine Bias of Natural Killer T Cell by CD1d Glycolipid Ligands: Anchoring Effect of Polar Groups in the Lipid Component. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9655-9659	16.4	12
47	Highly $\beta$ -Selective Mannosylation towards Man $\beta$ -4GlcNAc Synthesis: TMSB(C <sub>6</sub> F <sub>5</sub> ) <sub>4</sub> as a Lewis Acid/Cation Trap Catalyst. <i>Synlett</i> , <b>2005</b> , 2005, 2325-2328	2.2	12
46	Synthesis and bioactivity of fluorescence- and biotin-labeled lipid A analogues for investigation of recognition mechanism in innate immunity. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 539-543	2	11
45	Structure-activity relationship studies of Bz amide-containing $\beta$ -GalCer derivatives as natural killer T cell modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 970-973	2.9	11
44	Synthesis and biological activity of phosphoglycolipids from <i>Thermus thermophilus</i> . <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 5034-41	3.9	10
43	Employing BINOL-Phosphoroselenoyl Chloride for Selective Inositol Phosphorylation and Synthesis of Glycosyl Inositol Phospholipid from <i>Entamoeba histolytica</i> . <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8304-8308	4.8	9
42	Synthesis of glycerolipids containing simple linear acyl chains or aromatic rings and evaluation of their MinCLE signaling activity. <i>Chemical Communications</i> , <b>2019</b> , 55, 711-714	5.8	9

41	Site-specific effect of polar functional group-modification in lipids of TLR2 ligands for modulating the ligand immunostimulatory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 1638-1641	2.9	9
40	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of Mycobacterium tuberculosis Ser/Thr Kinase PknB. <i>ChemBioChem</i> , <b>2017</b> , 18, 2094-2098	3.8	9
39	Synthesis of 11-cis-locked bicyclo[5.1.0]octanyl retinal and an enantioselective binding to bovine opsin. <i>Chirality</i> , <b>2002</b> , 14, 340-6	2.1	9
38	Synthesis of Bacterial Glycoconjugates and Their Bio-functional Studies in Innate Immunity. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2012</b> , 70, 113-130	0.2	9
37	Design and Discovery of Covalent $\beta$ GalCer Derivatives as Potent CD1d Ligands. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 353-359	4.9	8
36	Efficient Synthesis of (R)-Hanishin, (R)-Longamide B, and (R)-Longamide B Methyl Ester through Piperazinone Formation from 1,2-Cyclic Sulfamidates. <i>Synlett</i> , <b>2016</b> , 27, 616-620	2.2	8
35	Synthesis of Peptidoglycan Fragments from Enterococcus faecalis with Fmoc-Strategy for Glycan Elongation. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 27-30	4.5	8
34	The second and third amino acids of Pam2 lipopeptides are key for the proliferation of cytotoxic T cells. <i>Innate Immunity</i> , <b>2018</b> , 24, 323-331	2.7	7
33	Stereoselective Glycosylation of 3-Deoxy-d-manno-2-octulosonic Acid with Batch and Microfluidic Methods. <i>Synlett</i> , <b>2011</b> , 2011, 2359-2362	2.2	7
32	The key entity of a DCAR agonist, phosphatidylinositol mannoside AcPIM: its synthesis and immunomodulatory function. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 3659-3663	3.9	6
31	Self and nonself recognition with bacterial and animal glycans, surveys by synthetic chemistry. <i>Methods in Enzymology</i> , <b>2010</b> , 478, 323-42	1.7	6
30	Physical properties of new phenylpyrimidine type ferroelectric liquid crystals. <i>Ferroelectrics</i> , <b>1993</b> , 148, 203-212	0.6	6
29	Syntheses and Immunological Evaluation of Self-Adjuvanting Clustered N-Acetyl and N-Propionyl Sialyl-Tn Combined with a T-helper Cell Epitope as Antitumor Vaccine Candidates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8351-8356	3.6	5
28	Synthetic analogs of an Entamoeba histolytica glycolipid designed to combat intracellular Leishmania infection. <i>Scientific Reports</i> , <b>2017</b> , 7, 9472	4.9	5
27	Syntheses and physical properties of new biphenyl and phenylpyrimidine type ferroelectric liquid crystals. <i>Ferroelectrics</i> , <b>1993</b> , 148, 169-178	0.6	5
26	Funiculosin variants and phosphorylated derivatives promote innate immune responses via the Toll-like receptor 4/myeloid differentiation factor-2 complex. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 15378-15394	5.4	4
25	Total Synthesis of Cardiolipins Containing Chiral Cyclopropane Fatty Acids. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 7832-7838	4.2	4
24	Inhibition of lipid A-mediated type I interferon induction by bactericidal/permeability-increasing protein (BPI). <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 354, 574-8	3.4	4



23	Peptidoglycan microarray as a novel tool to explore protein-ligand recognition. <i>Biopolymers</i> , <b>2016</b> , 106, 422-9	2.2	4
22	Convergent Synthesis of Digalactosyl Diacylglycerols. <i>Organic Letters</i> , <b>2017</b> , 19, 6482-6485	6.2	3
21	Combinatorial Methods in Oligosaccharide Synthesis <b>2008</b> , 1205-1240		3
20	One Step and Convenient Preparations of 4-Hydroxyretinal and 4-Oxoretinal. <i>Synthetic Communications</i> , <b>1999</b> , 29, 3793-3797	1.7	3
19	Time-lapse monitoring of TLR2 ligand internalization with newly developed fluorescent probes. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 3824-3830	3.9	2
18	Synthesis of Cyclopropane Fatty Acids by C(sp <sup>3</sup> )C(sp <sup>3</sup> ) Cross-Coupling Reaction and Formal Synthesis of Mycolic Acid. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 3810-3817	5.6	2
17	Potent Th2 Cytokine Bias of Natural Killer T Cell by CD1d Glycolipid Ligands: Anchoring Effect of Polar Groups in the Lipid Component. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9803-9807	3.6	2
16	Chemical synthesis of bacterial lipid A <b>2010</b> , 413-427		2
15	Physical properties of novel biphenyl and phenylpyrimidine type ferroelectric liquid crystals. <i>Ferroelectrics</i> , <b>1993</b> , 148, 213-222	0.6	2
14	Polar functional group-containing glycolipid CD1d ligands modulate cytokine-biasing responses and prevent experimental colitis. <i>Scientific Reports</i> , <b>2020</b> , 10, 15766	4.9	2
13	Alkyne-Tagged Dopamines as Versatile Analogue Probes for Dopaminergic System Analysis. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9345-9355	7.8	2
12	Lipopolysaccharide Derived From the Lymphoid-Resident Commensal Bacteria Functions as an Effective Nasal Adjuvant to Augment IgA Antibody and Th17 Cell Responses. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 699349	8.4	2
11	Synthetic Studies on FNC-RED and Its Analogues Containing an All -Cyclopentanetetrol Moiety. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 12680-12685	4.2	1
10	Total synthesis of naturally occurring chiral cyclopropane fatty acids and related compounds. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 1083-1090	2	1
9	Solid-phase Synthesis of Bacterial Cell Wall Peptidoglycan Fragments. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1461-1463	1.6	1
8	Microbial Glycoconjugates Recognition with TLRs and NLRs in Innate Immunity <b>2015</b> , 685-690		1
7	SUGAR SYNTHESIS BY MICROFLUIDIC TECHNIQUES <b>2016</b> , 205-219		0
6	Synthesis and Functional Analysis of the Key Compounds Responsible for Signal Transduction. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2007</b> , 65, 1170-1178	0.2	0

- 5 Efficient preparation of human and mouse CD1d proteins using silkworm baculovirus expression system. *Protein Expression and Purification*, **2020**, 172, 105631 2
- 4 Upregulation of PGRPs by chemically synthesized pathogen-associated molecular patterns via Toll-like receptors, NOD1 and NOD2 in oral epithelial cells. *International Congress Series*, **2005**, 1284, 163-168
- 3 Efficient Synthesis of Oligosaccharides and Synthesis of Pathogen-Associated Molecular Patterns for Their Biofunctional Studies **2008**, 200-205
- 2 Microbial Glycoconjugates Recognition with TLRs and NLRs in Innate Immunity **2014**, 1-6
- 1 Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident *Alcaligenes faecalis*: Complete Structure Determination and Chemical Synthesis of Its Lipid A. *Angewandte Chemie*, **2021**, 133, 10111-10119<sup>3,6</sup>