

1. K.-H. Wiesmüller, W. G. Bessler, and G. Jung (1983)
Synthesis of the Mitogenic S-[2,3-Bis(palmitoyloxy)propyl]-N-palmitoyl-pentapeptide from *Escherichia coli* Lipoprotein
Hoppe-Seyler's Z. Physiol. Chem. 364, 593-606
2. R. B. Johnson, S. Köhl, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1983)
Synthetic Analogues of the N-Terminal Lipid Part of Bacterial Lipoprotein are B-Lymphocyte Mitogens *in vitro* and *in vivo*
Immunobiology 165, 27-35
3. W. G. Bessler, M. Cox, A. Lex, B. Suhr, K.-H. Wiesmüller, and G. Jung (1985)
Synthetic Lipopeptide Analogs of Bacterial Lipoprotein are Potent Polyclonal Activators for Murine B-Lymphocytes
J. Immunol. 135, 1900-1905
4. G. Jung, K.-H. Wiesmüller, G. Becker, H.-J. Bühring und W. G. Bessler (1985)
Verstärkte Produktion spezifischer Antikörper durch Präsentation der antigenen Determinaten mit kovalent verknüpften Lipopeptid-Mitogenen
Angew. Chem. 97, 883-885
Angew. Chem. Int. Ed. Engl. 24, 872-873
5. W. G. Bessler, B. Suhr, H.-J. Bühring, C. P. Muller, K.-H. Wiesmüller, G. Becker, and G. Jung (1985)
Specific Antibodies Elicited by Antigen Covalently Linked to a Synthetic Adjuvant
Immunobiol. 170, 239-244
6. A. Lex, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1986)
A Synthetic Analogue of *Escherichia coli* Lipoprotein, Tripalmitoylpentapeptide, Constitutes a Potent Immune Adjuvant
J. Immunol. 137, 2676-2681
7. M. Szamel, M. Goppelt-Strübe, W. G. Bessler, K.-H. Wiesmüller, and K. Resch (1987)
Separation of Plasma Membrane Domains of Calf Thymocytes by Affinity Chromatography on Ouabain-Sepharose
Biochim. Biophys. Acta 899, 247-257
8. W. Praß, H. Ringsdorf, W. G. Bessler, K.-H. Wiesmüller, and G. Jung (1987)
Lipopeptides of the N-Terminus of *Escherichia coli* Lipoprotein: Synthesis, Mitogenicity and Properties in Monolayer Experiments
Biochim. Biophys. Acta 900, 116-128
9. S. Hauschildt, L. M. Wagner-Roos, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1988)
Phosphatidylinositol Metabolism and Protein Kinase C Activation in Leukocytes by Lipopeptides
Immunobiol. 177, 267-277
10. S. Schlecht, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1989)
Enhancement of Protection Against Salmonella Infection in Mice Mediated by Synthetic Lipopeptide Analogues of Bacterial Lipoprotein in *S. typhimurium* Vaccines
Zbl. Bakt. 271, 493-500
11. K. Deres, H.-J. Schild, K.-H. Wiesmüller, G. Jung, and H.-G. Rammensee (1989)
In vivo Priming of Virus Specific Cytotoxic T-Lymphocytes with Synthetic Lipopeptide Vaccine
Nature 342, 561-564
12. K.-H. Wiesmüller, G. Jung, and G. Hess (1989)
Novel Low-Molecular-Weight Synthetic Vaccine Against Foot-and-Mouth Disease Containing a Potent B-Cell and Macrophage Activator
Vaccine 7, 29-33
13. M. Krug, G. Folkers, B. Haas, G. Hess, K.-H. Wiesmüller, S. Freund, and G. Jung (1989)
Molecular Dynamics of the α -Helical Epitope of a Novel Synthetic Lipopeptide Foot-and-Mouth Disease Virus Vaccine
Biopolymers 28, 499-512
14. A. Reitermann, J. Metzger, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1989)
Lipopeptide Derivatives of Bacterial Lipoprotein Constitute Potent Immune Adjuvants Combined with or Covalently Coupled to Antigen or Hapten
Biol. Chem. Hoppe-Seyler 370, 343-352
15. P. Hoffmann, K.-H. Wiesmüller, J. Metzger, G. Jung, and W. G. Bessler (1989)
Induction of Tumor Cytotoxicity in Murine Bone Marrow-Derived Macrophages by Two Synthetic Lipopeptides Analogues
Biol. Chem. Hoppe-Seyler 370, 575-582
16. C. P. Muller, H.-J. Bühring, G. Becker, C. C. Jung, G. Jung, W. Tröger, A. Saalmüller, K.-H. Wiesmüller, and W. G. Bessler (1990)
Specific Antibody Response Towards Predicted Epitopes of the Epidermal Growth Factor Receptor Induced by a Thermostable Synthetic Peptide Adjuvant Conjugate
Clin. Exp. Immunol. 78, 499-504
17. S. Hauschildt, P. Hoffmann, H. U. Beuscher, G. Duffus, P. Heinrich, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1990)
Activation of Bone Marrow-Derived Mouse Macrophages by Bacterial Lipopeptide: Cytokine Production Phagocytosis and Ia Expression.
Eur. J. Immunol. 20, 63-68

18. F. Wiedemann, R. Link, K. Pumpe, U. Jakobshagen, H. E. Schäfer, K.-H. Wiesmüller, R.-P. Hummel, G. Jung, W. G. Bessler, and T. Böltz (1990)
Histopathological Studies on the Local Reactions Induced by Complete Freund's Adjuvant (FCA), Bacterial Lipopolysaccharide (LPS) and Synthetic Lipopeptide (P3C) Conjugates
J. Pathology **164**, 1-7
19. W. G. Bessler, B. Kleine, C. Martinez Alonso, L. Biesert, M. Strecker, K.-H. Wiesmüller, J. Metzger, and G. Jung (1990)
Biological Activity of Bacterial Surface Components: Bacterial Extracts and Defined Bacterial Cell Wall Components as Immunomodulators
Lung **168**, 707-715
20. R. Seifert, G. Schulz, M. Richter-Freund, J. Metzger, K.-H. Wiesmüller, G. Jung, W. G. Bessler, and S. Hauschildt (1990)
Activation of Superoxide Formation and Lysozyme Release in Human Neutrophils by the Synthetic Lipopeptide, Pam3Cys-Ser-(Lys)4: Involvement of G-Proteins and Synergism with Chemotactic Peptides
Biochem. J. **267**, 795-802
21. M. Loleit, W. Tröger, K.-H. Wiesmüller, G. Jung, M. Strecker, and W. G. Bessler (1990)
Conjugates of Synthetic Lymphocyte-Activating Lipopeptides with Segments from HIV Proteins Induce Protein-Specific Antibody Formation
Biol. Chem. Hoppe-Seyler **371**, 967-975
22. P. Hoffmann, M. Jimenez-Diaz, M. Loleit, W. Tröger, K.-H. Wiesmüller, J. Metzger, G. Jung, I. Kaiser, S. Stöcklin, S. Lenzner, J. H. Peters, R. Grimm, E. Schäfer, and W. G. Bessler (1990)
Preparation of Human and Murine Monoclonal Antibodies: Antigens Combined with or Conjugated to Lipopeptides Constitute Potent Immunogens for *in vitro* and *in vivo* Immunizations
Hum. Antibod. Hydridoma **3**, 137-144
23. J. Metzger, K.-H. Wiesmüller, R. Schaude, W. G. Bessler, and G. Jung (1991)
Synthesis of Novel Immunologically Active Tripalmitoyl-S-glycerylcysteinyl Lipopeptides as Useful Intermediates for Immunogen Preparations
Int. J. Pept. Prot. Res. **37**, 46-57
24. K.-H. Wiesmüller, C. Löffl, T. Böltz, W. G. Bessler, D. Gillessen, and G. Jung (1991)
The Antibody Response in BALB/c Mice to the *Plasmodium falciparum* Circumsporozoite Repetitive Epitope Covalently Coupled to Synthetic Lipopeptide Adjuvant
Immunology **72**, 109-113
25. J. Metzger, K.-H. Wiesmüller, and G. Jung (1991)
Synthesis of Nα-Fmoc Protected Derivatives of S-(2,3-Dihydroxypropyl)-cysteine and their Application in Peptide Synthesis
Int. J. Pept. Prot. Res. **33**, 545-554
26. H. Schild, M. Norda, K. Deres, K. Falk, O. Röttschke, K.-H. Wiesmüller, G. Jung, and H.-G. Rammensee (1991)
Fine Specificity of Cytotoxic T-Lymphocytes Primed *in vivo* either with Virus or Synthetic Lipopeptide Vaccine or Primed *in vitro* with Peptide
J. Exp. Med. **174**, 1665-1668
27. H. Schild, K. Deres, K.-H. Wiesmüller, G. Jung, and H.-G. Rammensee (1991)
Efficiency of Peptides and Lipopeptides for *in vivo* Priming of Virusspecific Cytotoxic T-Cells
Eur. J. Immunol. **21**, 2649-2654
28. S. Hauschildt, A. Lückhoff, J. Langhorne, K.-H. Wiesmüller, G. Jung, W. G. Bessler, J. C. Cambier (1991)
Increase in the Intracellular Free Calcium Concentration is not an Obligatory Early Event in Lipopeptide-Induced B-Cell Activation
Immunology **73**, 366-368
29. K.-H. Wiesmüller, G. Spahn, D. Handtmann, G. Jung, and C. P. Muller (1992)
Heterogeneity of Antibody Binding to Peptides Homologous to Fusion Protein of Measles Virus
J. Gen. Virol. **73**, 2211-2216
30. K. Deres, T. N. M. Schumacher, K.-H. Wiesmüller, S. Stevanovic, G. Greiner, G. Jung, and H. L. Ploegh (1992)
Preferred Size of Peptides that Bind to H-2 Kb is Sequence Dependent
Eur. J. Immunol. **22**, 1603-1608
31. R. Seifert, S. Serke, D. Huhn, W. G. Bessler, S. Hauschildt, J. Metzger, K.-H. Wiesmüller, and G. Jung (1992)
Incomplete Functional Differentiation of HL-60 Leukemic Cells by Synthetic Lipopeptides
Eur. J. Biochem. **203**, 143-151
32. K.-H. Wiesmüller, W. G. Bessler, and G. Jung (1992)
Solid Phase Peptide Synthesis of Lipopeptide Vaccines Eliciting Epitope-Specific B-, T-Helper and T-Killer Cell Response
Int. J. Pept. Prot. Res. **40**, 255-260
33. J. W. Metzger, K.-H. Wiesmüller, V. Gnau, J. Brünjes und G. Jung (1993)
Ionspray-Massenspektrometrie und Hochleistungsflüssigkeitschromatographie - Massenspektrometrie von synthetischen Peptidbibliotheken
Angew. Chem. **105**, 901-903, *Angew. Chem. Int. Ed. Engl.* **32**, 894-896

34. S. Stevanovic, K.-H. Wiesmüller, J. Metzger, A. G. Beck-Sickinger, and G. Jung (1993)
Natural and Synthetic Peptide Pools: Characterization by Sequencing and Electrospray Mass Spectrometry
BioMed. Chem. Lett. **3**, 431-436
35. S. Schlecht, K.-H. Wiesmüller, G. Jung und W. G. Bessler (1993)
Lipopeptide als natürliche Adjuvantien für Impfstoffe aus Gram-negativen Bakterien
Naturwissenschaften **80**, 9-17
36. A. Obermeier, H. Halfter, K.-H. Wiesmüller, G. Jung, J. Schlessinger, and A. Ullrich (1993)
Tyrosine 785 is a Major Determinant of Trk Signal Specificity
EMBO J. **12**, 933-941
37. W. G. Bessler, W. Beck, K.-H. Wiesmüller, and G. Jung (1994)
Modulation of Immune System by Bacterial Products: Hapten-Specific Humoral Immune Responses Induced by Lipopeptides Conjugated to T Helper Cell Epitopes
Immunotherapy of Infections **30**, 329-338
38. A. Obermeier, R. Lammers, K.-H. Wiesmüller, G. Jung, J. Schlessinger, and A. Ullrich (1993)
Identification of Trk Binding Sites for SHC and Phosphatidylinositol 3'-Kinase and Formation of a Multimeric Signaling Complex
J. Biol. Chem. **268**, 22963-22966
39. C. P. Muller, T. Schroeder, R. Tu, N. H. C. Brons, G. Jung, F. Schneider, and K.-H. Wiesmüller (1993)
Analysis of the Neutralizing Antibody Response to the Measles Virus Using Synthetic Peptides of the Haemagglutinin Protein
Scand. J. Immunol. **38**, 463-471
40. A. D. M. Rees, A. Faith, E. Roman, J. Ivanyi, K.-H. Wiesmüller, and C. Moreno (1993)
The Effect of Lipoylation on CD4 T-Cell Recognition of the 19,000 MW Mycobacterium Tuberculosis Antigen
Immunology **80**, 407-414
41. A. G. Beck-Sickinger, H. Rotering, K.-H. Wiesmüller, F. Dorner, and G. Jung (1994)
Mapping of Antigenic and Immunogenic Sites of *Haemophilus influenzae* Outer Membrane Protein P6 Using Synthetic Lipopeptides
Biol. Chem. Hoppe-Seyler **375**, 173-182
42. Ch. Burkhardt, G. Freer, R. Castro, L. Adorini, K.-H. Wiesmüller, R. M. Zinkernagel, and H. Hengartner (1994)
Characterization of T-Helper Epitopes of the Glycoprotein of Vesicular Stomatitis Virus
J. Virol. **68**, 3, 1573-1580
43. J. W. Metzger, Ch. Kempter, K.-H. Wiesmüller, and G. Jung (1994)
Electrospray Mass Spectrometry and Tandem Mass Spectrometry of Synthetic Multicomponent Peptide Mixtures: Determination of Composition and Purity
Anal. Biochem. **219**, 261-277
44. B. Kleine, W. Rapp, K.-H. Wiesmüller, M. Edinger, W. Beck, J. Metzger, R. Ataulkhanov, G. Jung, and W. G. Bessler (1994)
Lipopeptide-Polyoxyethylene Conjugates as Mitogens and Adjuvants
Immunobiol. **190**, 53-66
45. M. Loleit, K. Deres, K.-H. Wiesmüller, G. Jung, M. Eckert, and W. G. Bessler (1994)
Biological Activity of the *Escherichia coli* Lipoprotein: Detection of Novel Lymphocyte Activating Peptide Segments of the Molecule and their Conformational Characterization
Biol. Chem. Hoppe-Seyler **375**, 407-412
46. E. Borges, K.-H. Wiesmüller, G. Jung, and P. Walden (1994)
Efficacy of Synthetic Vaccines in the Induction of Cytotoxic T Lymphocytes. Comparison of the Costimulating Support Provided by Helper T Cells and Lipoamino Acid
J. Immunol. Meth. **173**, 253-263
47. A. K. H. Mertz, A. Daser, M. Skumik, K.-H. Wiesmüller, J. Braun, P. Wu, A. Distler, and J. Sieper (1994)
The Evolutionarily Conserved Ribosomal Protein L23 and the Cationic Urease β - Subunit of *Yersinia enterocolitica* 0:3 Belong to the Immunodominant Antigens in Yersinia - Triggered Reactive Arthritis: Implications for Autoimmunity
Mol. Medicine **1**, 45-55
48. C. P. Muller, D. Handtmann, N. H. C. Brons, M. Weinmann, K.-H. Wiesmüller, G. Spahn, M. Wiesneth, F. Schneider, and G. Jung (1993)
Analysis of Antibody Response to the Measles Virus Using Synthetic Peptides of the Fusions Protein Evidence of Non-Random Pairing of T and B Cell Epitopes
Virus Research **30**, 271-280
49. B. Fleckenstein, K.-H. Wiesmüller, M. Brich, and G. Jung (1994)
Novel Heterobifunctionalized Polystyrene-Polyethylene Glycol Resin for Simultaneous Preparation of Free and Immobilized Peptides and Biological Activity Detected by Confocal Microscopy
Lett. Peptide Sci. **1**, 117-126

50. J. W. Metzger, S. Stevanovic, J. Brünjes, K.-H. Wiesmüller, and G. Jung (1994)
Electrospray Mass Spectrometry and Multiple Sequence Analysis of Synthetic Peptide Libraries
Methods **6**, 425-431
51. K. Udaka, K.-H. Wiesmüller, S. Kienle, G. Jung, and P. Walden (1995)
Decrypting the Structure of MHC-I Restricted CTL Epitopes with Complex Peptide Libraries
J. Exp. Med. **181**, 2097-2108
52. K.-H. Wiesmüller, M. Brich, G. Jung, K. Sparbier, and P. Walden (1995)
Peptide Binding to MHC Class I Molecules Analysed by Confocal Microscopy
Eur. J. Cell Biol. **66**, 389-393
53. C. P. Muller, R. Bänder, H. Mayser, S. Ammon, M. Weinmann, N. H. C. Brons, F. Schneider, G. Jung, and K.-H. Wiesmüller (1995)
Intramolecular Immunodominance and Intermolecular Selection of H2d-Restricted Peptides Define the Same Immunodominant Region of the Measles Virus Fusion Protein
Mol. Immunol. **32**, 37-47
54. R. Kuhn, D. Riestler, B. Fleckenstein, and K.-H. Wiesmüller (1995)
Evaluation of an Optically Active Crown Ether for the Chiral Separation of Di- and Tripeptides
J. Chromatogr. A **716**, 371-379
55. S. Uebel, T. H. Meyer, W. Kraas, S. Kienle, K.-H. Wiesmüller, G. Jung, and R. Tampé (1995)
Formation of Peptide-Transporter (TAP) Complexes Studied by Peptide Scans and Complex Peptide Libraries
J. Biol. Chem. **270**, 18512-18516
56. K. Udaka, K.-H. Wiesmüller, S. Kienle, G. Jung, and P. Walden (1995)
Tolerance to Amino Acid Variations in Peptides Binding to the MHC Class I Protein H-2Kb
J. Biol. Chem. **270**, 24130-24134
57. G. Kleymann, S. Iwata, K.-H. Wiesmüller, B. Ludwig, W. Haase, and H. Michel (1995)
The Topology of the Ubiquinol: Cytochrome c Oxidase from *Paracoccus denitrificans* Determined with Antibodies Against its Antigenic Sites Revealed by Epitope Mapping
Eur. J. Biochem. **230**, 359-363
58. P. Walden, K.-H. Wiesmüller, and G. Jung (1995)
Elucidation of T Cell Epitopes: A Synthetic Approach with Random Peptide Libraries
Biochem. Soc. Transact. **23**, 678-681
59. K. Udaka, K.-H. Wiesmüller, S. Kienle, G. Jung, and P. Walden (1996)
Self MHC-Restricted Peptides Recognized by an Alloreactive T Lymphocyte Clone
J. Immunology **157**, 670-678
60. P. Fournier, W. Ammerlaan, D. Ziegler, C. Gimenez, C. Rabourdin-Combe, B. Fleckenstein, K.-H. Wiesmüller, G. Jung, F. Schneider, and C. P. Muller (1996)
Differential Activation of T Cells by Antibody-Modulated Processing of the Flanking Sequences of Class II-Restricted Peptides
Int. Immunol. **8**, 1441-1451
61. C. P. Muller, W. Amerlaan, B. Fleckenstein, S. Krauss, H. Kalbacher, F. Schneider, G. Jung, and K.-H. Wiesmüller (1996)
Activation of T Cells by the Ragged Tail of MHC Class II-Presented Peptides of the Measles Virus Fusion Protein
Int. Immunol. **4**, 445-456
62. J. W. Metzger, K.-H. Wiesmüller und S. Kienle (1996)
Charakterisierung von synthetischen Peptidbibliotheken mit Elektrospray-Massenspektrometrie
GIT **2**, 85-87
63. D. Riestler, K.-H. Wiesmüller, D. Stoll, and R. Kuhn (1996)
Study of the Racemization in Solid-Phase Peptide Synthesis by Capillary Electrophoresis Using a Chiral Crown Ether
Anal. Chem. **68**, 2361-2365
64. L. Pridzun, K.-H. Wiesmüller, S. Kienle, G. Jung, and P. Walden (1996)
Amino Acid Preferences in the Octapeptide Subunit of the Major Histocompatibility Complex Class I Heterotrimer H-2Ld 1996
Eur. J. Biochemistry **236**, 249-253
65. G. Jung, H. Hofstetter, S. Feiertag, D. Stoll, O. Hofstetter, K.-H. Wiesmüller, and V. Schurig (1996)
Cyclopeptide Libraries are Potent Chiral Selectors in Capillary Electrophoresis
Angew. Chem. **108**, 2261-2263
66. B. Fleckenstein, H. Kalbacher, C. P. Muller, D. Stoll, T. Halder, G. Jung, and K.-H. Wiesmüller (1996)
New Ligands Binding to the HLA Class II Molecule DRB1* 0101 Based on the Activity Pattern of an Undecapeptide Library
Eur. J. Biochem. **240**, 71-77
67. B. R. Gundlach, K.-H. Wiesmüller, T. Junt, S. Kienle, G. Jung, and P. Walden (1996)
Specificity and Degeneracy of Minor Histocompatibility Antigen-Specific MHC-Restricted Cytotoxic T-Lymphocytes
J. Immunol. **156**, 3645-3651

68. R. Brock, K.-H. Wiesmüller, G. Jung, and P. Walden (1996)
Recognition of Allo and Self MHC-Peptide Ligands by a Single T Cell Receptor
Proc. Natl. Acad. Sci., USA, 93, 13108-13113
69. B. R. Gundlach, K.-H. Wiesmüller, T. Junt, S. Kienle, G. Jung, and P. Walden (1996)
Determination of T Cell Epitopes with Random Peptide Libraries
J. Immunol. Methods 192, 146-155
70. D. Ziegler, P. Fournier, G. A. H. Berbers, H. Steuer, K.-H. Wiesmüller, B. Fleckenstein, F. Schneider, G. Jung, C.-C. King, and C. P. Muller (1996)
Protection Against Measles Virus Encephalitis by Monoclonal Antibodies Binding to a Cystine Loop Domain of the H Protein Mimicked by Peptides which are not Recognized by Maternal Antibodies
J. Gen. Virol. 77, 2479-2489
71. C. Schönbach, K. Nokihara, C. W. R. Bangham, A. Kariyone, S. Karaki, H. Shida, K. Takatsu, K. Egava, K.-H. Wiesmüller, and M. Takiguchi (1996)
Identification of HTLV-1 Specific CTL Directed Against Synthetic and Naturally Processed Peptides in HLA-B*3501 Transgenic Mice
Virology 226, 102-112
72. W. G. Bessler, W. Baier, U. v. d. Esche, P. Hoffmann, L. Heinevetter, K.-H. Wiesmüller, and G. Jung (1997)
Bacterial Lipopeptides Constitute Efficient Novel Immunogens and Adjuvants in Parenteral and Oral Immunization
Behring Inst. Mitt. 98, 390-399
73. S. Schlecht, H. Mossmann, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1996)
Protection against Bacterial Infection by Urea Extracts from *Salmonella*
Zbl. Bakt. 284, 559-564
74. U. Altenschmid, P. Ricciardi-Castagnoli, M. Modolell, H. Otto, K.-H. Wiesmüller, G. Jung, and M.M. Simon (1996)
Bone Marrow-derived Macrophage Lines and Immortalized Cloned Macrophage and Dendritic Cells Support Priming of *Borrelia burgdorferi*-specific T Cell Responses *in vitro* and/or *in vivo*
Immunol. Lett. 50, 41 - 49
75. N. H. C. Brons, A. Blaich, K.-H. Wiesmüller, F. Schneider, G. Jung, and C. P. Muller (1996)
Hierarchic T-Cell Help to Non-Linked B-Cell Epitopes
Scand. J. Immunol. 1996, 44, 478-484
76. W. Zhong, K.-H. Wiesmüller, M. D. Kramer, R. Wallich, and M. M. Simon (1996)
Plasmid DNA and Protein Vaccination of Mice to the Outer Surface Protein A of *Borrelia burgdorferi* Leads to Induction of T Helper Cells with Specificity for a Major Epitope and Augmentation of Protective IgG Antibodies *in vivo*
Eur. J. Immunol. 1996, 26, 2749-2757
77. S. Uebel, W. Kraas, S. Kienle, K.-H. Wiesmüller, G. Jung, and R. Tampé (1997)
Recognition Principle of the Transporter Associated with Antigen Processing
Proc. Natl. Acad. Sci., USA, 94, 8976-8982
78. B. Hemmer, B. Fleckenstein, M. Vergelli, G. Jung, H. McFarland, R. Martin, and K.-H. Wiesmüller (1997)
Identification of High Potency Microbial and Self Ligands for a Human Autoreactive Class II-Restricted T Cell Clone
J. Exp. Med. 185, 1651-1659
79. P. Hoffmann, M. Loleit, K. Mittenbühler, W. Beck, K.-H. Wiesmüller, G. Jung, and W. G. Bessler (1997)
Induction of an Epitope-Specific Humoral Immune Response by Lipopeptide-Hapten Conjugates: Enhancement of the Anti-Melittin Response by a Synthetic T Helper (T_H)-Cell Epitope
FEMS Immun. Med. Microb. 17, 225-234
80. K. Mittenbühler, W. Baier, U. v. d. Esche, L. Heinevetter, K.-H. Wiesmüller, G. Jung, J. Weckesser, W. G. Bessler, and P. Hoffmann (1997)
Lipopeptides as Efficient Novel Immunogens and Adjuvants in Parenteral and Oral Immunization
Peptide & Protein Research 2, 125-135
81. P. Fournier, N. H. C. Brons, G. A. H. Berbers, K.-H. Wiesmüller, B. Fleckenstein, F. Schneider, G. Jung, and C. P. Muller (1997)
Antibodies to a New Linear Site at the Topographical or Functional Interface Between the Haemagglutinin and Fusion Proteins Protect Against Measles
J. Gen. Virol. 78, 1295-1302
82. M. H. Erhard, P. Schmidt, A. Hofmann, J. Bergmann, P. Mittermeier, P. Kaufmann, K.-H. Wiesmüller, W. G. Bessler, and U. Lösch (1997)
The Lipopeptide Pam₃Cys-Ser-(Lys)₄: An Alternative Adjuvant to Freund's Adjuvant for the Immunization of Chicken to Produce Egg Yolk Antibodies
ATLA, Alternatives To Laboratory Animals, 25, 173-181
83. W. G. Bessler, L. Heinevetter, K.-H. Wiesmüller, G. Jung, W. Baier, M. Huber, A. R. Lorenz, U. v. d. Esche, K. Mittenbühler, and P. Hoffmann (1997)
Bacterial Cell Wall Components as Immunomodulators – I. Lipopeptides as Adjuvants for Parenteral and Oral Immunization
Int. J. Immunopharmac., 19, 547-550

84. S. Kienle, K.-H. Wiesmüller, J. Brünjes, J. W. Metzger, and G. Jung (1997)
MS-Pep: A Computer Program for the Interpretation of Mass Spectra of Peptide Libraries
Fresenius' J. Anal. Chem., 359, 10-14
85. R. Warrass, P. Walden, K.-H. Wiesmüller, and G. Jung (1998)
Oligocarbamates as MHC Class I-Ligands
Letts. Peptide Sci., 5, 125-128
86. M. Obert, H. Pleuger, H.-G. Hanagarth, K.-H. Wiesmüller, H. D. G. Braun, G. Brandner, and R. D. Hess (1998)
Protection of Mice Against Murine SV40 Tumours by Pam₃Cys, MTP-PE and Pam₃Cys conjugated with the SW40 T – Antigen Derived Peptide, K(698)-T(708)
Vaccine, 16, 161-169
87. J. Stevens, K.-H. Wiesmüller, P. Barker, P. Walden, G. Butcher, and E. Joly (1998)
Efficient Generation of MHC Class I Molecules Using Random Peptide Libraries
J. Biol. Chem., 273, 2874-2884
88. J. Stevens, K.-H. Wiesmüller, P. Walden, and E. Joly (1998)
Peptide Length Preferences for Rat and Mouse MHC Class I Molecules Using Random Peptide Libraries
Eur. J. Immunol., 28, 1272-1279
89. C. Jung, M. Kalbus, B. Fleckenstein, G. Malcherek, A. Melms, G. Jung, and K.-H. Wiesmüller (1998)
New Ligands for HLA DRB1*0301 by Random Selection of Favourable Amino Acids Ranked by Competition Studies with Undecapeptide Amide Sublibraries
J. Immunol. Methods 219, 139-149
90. R. Warrass, K.-H. Wiesmüller, and G. Jung (1998)
Cyclic Oligocarbamates
Tetrahedron Lett., 39, 2715-2716
91. B. T. Ober, A. Summerfeld, C. Mattlinger, K.-H. Wiesmüller, G. Jung, E. Pfaff, A. Saalmüller, and H.-J. Rziha (1998)
Vaccine- Induced, Pseudorabies Virus-Specific, Extrathymic CD4+CD8+ Memory T-Helper Cells in Swine
J. Virol., 72, 4866-4873
92. M. Bauser, M. Winter, C. A. Valenti, K.-H. Wiesmüller, and G. Jung (1998)
Synthesis of Hydantoins via N,N'-Ureas Derived from Polymer-Bound Amino Acids
Mol. Diversity, 3, 257-260
93. T. Linnemann, C. Brock, K. Sparbier, M. Muche, A. Mielke, A. Lukowsky, W. Sterry, K. Kaltoft, K.-H. Wiesmüller, and P. Walden (1998)
Identification of Epitopes for CTCL-Specific Cytotoxic T Lymphocytes
Adv. Exp. Med. Biol., 451, 231-235
94. S. Kienle, P. Nollert, and K.-H. Wiesmüller (1999)
Synthesis of a Novel Neoglycopeptide for the Inhibition of Lactose Permease
Letts. Peptide Sci., 6, 143-149
95. M. Winter, K.-H. Wiesmüller (1999)
Automatisierte Kombinatorische Chemie
Biospektrum 15, 42-47
96. B. Fleckenstein, G. Jung, and K.-H. Wiesmüller (1999)
Quantitative Analysis of Peptide - MHC Class II Interaction
Seminars in Immunology, 11, 405-416
97. E. Loing, M. Andrieu, K. Thiam, D. Schörner, K.-H. Wiesmüller, A. Hosmalin, G. Jung, and H. Gras-Masse (2000)
Extension of an HLA-A*0201- restricted Minimal Epitope by an N^εPalmitoyl-Lysine Increases the Life Span of Function Presentation to Cytotoxic T-Cells
J. Immunol., 164(2), 900-7
98. B. T. Ober, B. Teufel, K.-H. Wiesmüller, G. Jung, E. Pfaff, A. Saalmüller, and H.-J. Rziha (2000)
The Porcine Humoral Immune Response Against Pseudorabies Virus Specifically Targets Attachment Sites on Glycoprotein gC
J. Virol., 77, 1752-1760
99. J. Stevens, K.-H. Wiesmüller, G. W. Butcher, and E. Joly (2000)
Analysis of Peptide Length Preference of the Rat MHC Class Ia Molecule RT1-A^u Using a Modified Random Peptide Library Approach
Int. Immunol., 12, 83-89
100. A. Brinker, E. Weber, D. Stoll, J. Vogt, A. Müller, N. Sewald, G. Jung, K.-H. Wiesmüller, and P. Bohley (2000)
Highly Potent Inhibitors of Human Cathepsin L Identified by Screening Combinatorial Pentapeptide Amide Collections
Eur. J. Biochem. 267, 1-9

101. T. Linnemann, K.-H. Wiesmüller, S. Gellrich, K. Kaltoft, W. Sterry, and P. Walden (2000)
A T-Cell Epitope Determined with Random Peptide Libraries and Combinatorial Peptide Chemistry Stimulates T Cells Specific for Cutaneous T-Cell Lymphoma
Ann. Oncology, 11, 95-99
102. T. Maggi, M. R. Oggioni, D. Medaglini, M. L. Bianchi Bandinelli, D. Soldateschi, K.-H. Wiesmüller, C. P. Muller, P. E. Valensin, and G. Pozzi (2000)
Expression of Measles Virus Antigens in *Streptococcus gordonii*
New Microbiol. 23(2):119-128
103. C. Wittekindt, B. Fleckenstein, K.-H. Wiesmüller, B. R. Eing, and J. E. Kuhn (2000)
Detection of Human Serum Antibodies Against Type-specifically Reactive Peptides from the N-terminus of Glycoprotein B of Herpes Simplex Virus Type 1 and Type 2 by Surface Plasmon Resonance
J. Virol. Methods, 87(1-2),133-144
104. M. H. Erhard, P. Schmidt, P. Zinsmeister, A. Hofmann, B. Kaspers, K.-H. Wiesmüller, W. G. Bessler, and M. Stangassinger (2000)
Adjuvant Effects of Various Lipopeptides and Interferon- γ on the Humoral Immune Response of Chicken.
Poultry Science, 79, 1264-1270
105. K. Udaka, K.-H. Wiesmüller, S. Kienle, G. Jung, H. Tamamura, H Yamagishi, K. Okumura, P. Walden, T. Suto, and T. Kawasaki (2000)
An Automated Prediction of MHC class I-Binding Peptides Based on Positional Scanning with Peptide Libraries
Immunogenetics, 51, 816-828
106. U. v. d. Esche, M. Ayoub, S. D. C. Pfannes, M. R. Müller, M. Huber, K.-H. Wiesmüller, T. Loop, M. Humar, K.-F. Fischbach, M. Strünkelnberg, P. Hoffmann, W. G. Bessler, and K. Mittenbühler (2000)
Immunostimulation by Bacterial Components: I. Activation of Macrophages and Enhancement of Genetic Immunization by the Lipopeptide P₃CSK₄
Int. J. Immunopharmacol., 22, 1093 – 1102
107. T. Linnemann, S. Tumenjargal, S. Gellrich, K.-H. Wiesmüller, K. Kaltoft, W. Sterry, and P. Walden (2001)
Mimotopes for Tumor-Specific T Lymphocytes in Human Cancer Determined with Synthetic Peptide Libraries
Eur. J. Immunol. 31, 156-165
108. K.-H. Wiesmüller, B. Fleckenstein, and G. Jung (1999)
Peptide Vaccines and Peptide Libraries
Biol. Chem. 31, 571 – 579
109. R. Tünnemann, M. Mehlmann, R. D. Süßmuth, B. Bühler, S. Peizer, W. Wohlleben, H.-P. Fiedler, K.-H. Wiesmüller, G. Gauglitz, and G. Jung (2001)
Optical Biosensors. Monitoring Studies of Glycopeptide Antibiotic Fermentation Using White Light Interference
Anal. Chem. 73, 4313 – 4318
110. K. Knecht, K.-H. Wiesmüller, V. Gnau, G. Jung, R. Meyermann, K.G. Todd, B. Hamprecht (2001)
AMP Deaminase in Rat Brain: Localization in Neurons and Ependymal Cells.
J. Neurosci. Res. 66, 941-950
111. G. Jung, B. Fleckenstein, F. v. d. Mülbe, J. Wessels, D. Niethammer, and K.-H. Wiesmüller (2001)
From Combinatorial Libraries to MHC Ligand Motifs, T-Cell Superagonists and Antagonists
Biologicals. 29, 179-181
112. E. Armengol, K.-H. Wiesmüller, D. Wienhold, M. Büttner, E. Pfaff, G. Jung, and A. Saalmüller (2002)
Identification of T-Cell Epitopes in the Structural and Non-Structural Proteins of Classical Swine Fever Virus
J. Gen. Virol. 83, 551-560
113. A. Hoff, T. Andre, T.E. Schaffer, G. Jung, K.-H. Wiesmüller, and R. Brock (2002)
Lipoconjugates for the Noncovalent Generation of Microarrays in Biochemical and Cellular Assays
ChemBiochem. 3, 1183-1191
114. M. R. Müller, K.-H. Wiesmüller, G. Jung, T. Loop, M. Humar, S. D. Pfannes, W. G. Bessler, and K. Mittenbühler (2002)
Lipopeptide Adjuvants: Monitoring and Comparison of P₃CSK₄- and LPS-Induced Gene Transcription
Int. Immunopharmacol. 2, 1065-1077
115. R. Weissert, J. Kuhle, K.L. de Graaf, W. Wienhold, M.M. Herrmann, C. Müller, T.G. Forsthuber, K.-H. Wiesmüller, A. Melms (2002)
High Immunogenicity of Intracellular Myelin Oligodendrocyte Glycoprotein Epitopes
J Immunol. 169, 548-556
116. S. Tumenjargal, S. Gellrich, T. Linnemann, J. M. Muche, A. Lukowsky, H. Audring, K.-H. Wiesmüller, W. Sterry, and P. Walden (2003)
Anti-Tumor Immune Responses and Tumor Regression Induced with Mimotopes of a Tumor-Associated T-Cell Epitope
Eur. J. Immunol. 33, 3175 – 3185

117. T. Sherev, K.-H. Wiesmüller, and P. Walden (2003)
Mimotopes of Tumor-Associated T-Cell Epitopes for Cancer Vaccines Determined with Combinatorial Peptide Libraries
Mol. Biotechnol. 25, 53-62
118. B.-J. Höhlich, K.-H. Wiesmüller, T. Schlapp, B. Haas, E. Pfaff, and A. Saalmüller (2003)
Identification of Foot-and-Mouth Disease Virus-Specific Linear B-Cell Epitopes to Differentiate Between Infected and Vaccinated Cattle
J. Virol. 77, 8633-8639
119. F. C. Leinweber, D. G. Schmid, D. Lubda, K.-H. Wiesmüller, G. Jung, and U. Tallarek (2003)
Silica-based Monoliths for Rapid Peptide Screening by Capillary Liquid Chromatography Hyphenated with Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry
Rapid Commun. Mass Spectrom. 17, 1180-1188
120. B.-J. Höhlich, K.-H. Wiesmüller, B. Haas, W. Gerner, R. Correa, H.-R. Hehnen, T. Schlapp, E. Pfaff, and A. Saalmüller (2003)
Induction of an Antigen-Specific Immune Response and Partial Protection of Cattle Against Challenge Infection with Foot-and-Mouth Disease Virus (FMDV) after Lipopeptide Vaccination with FMDV-specific B-Cell Epitopes
J. Virol. 84, 3315-3324
121. R. Warrass, G. Jung, and K.-H. Wiesmüller (2003)
Combinatorial Oligocarbamate Collections: Synthesis by the Premix Method and Quality Control by HPLC-MS
QSAR Comb. Sci. 22, 873-881
122. C. J. Hertz, Q. Wu, E. M. Porter, Y. J. Zhang, K.-H. Wiesmüller, P. J. Godowski, T. Ganz, S. H. Randell, and R. L. Modlin (2003)
Activation of Toll-like receptor 2 on Human Tracheobronchial Epithelial Cells Induces the Antimicrobial Peptide Human beta Defensin-2
J. Immunol. 171, 6820-6826
123. R. Spohn, U. Buwitt-Beckmann, R. Brock, G. Jung, A. J. Ulmer, and K.-H. Wiesmüller (2004)
Synthetic Lipopeptide Adjuvants and Toll-like Receptor 2 – Structure-Activity Relationships
Vaccine 23, 2494-2499
124. S. Gärtner, K. L. de Graaf, W. Wienhold, K.-H. Wiesmüller, A. Melms, and R. Weissert (2004)
Lack of Pathogenicity of Immunodominant T and B Cell Determinants of the Nicotinic Acetylcholine Receptor ϵ -Chain
J. Neuroimmunol. 152, 44-56
125. K. L. de Graaf, S. Barth, M. M. Herrmann, M. K. Storch, C. Otto, T. Olsson, A. Melms, G. Jung, K.-H. Wiesmüller, and R. Weissert (2004)
MHC Class II Isotype- and Allele- Specific Attenuation of Experimental Autoimmune Encephalomyelitis
J. Immunol. 173, 2792-2802
126. T. Volz, G. Schwarz, B. Fleckenstein, J. Ihle, K.-H. Wiesmüller, and G. E. Dannecker (2004)
Determination of the Peptide Binding Motif and High Affinity Ligands for HLA-DQ4 Using Synthetic Peptide Libraries
Hum. Immunol. 65, 594-601
127. K. L. de Graaf, E. Wallström, S. Muhallab, K.-H. Wiesmüller, T. Olsson, and R. Weissert (2004)
MHC and non-MHC Gene Regulation of Disease Susceptibility and Disease Course in Experimental Inflammatory Peripheral Neuropathy
J. Neuroimmunol. 155, 73-84
128. A. Hoff, T. Andre, R. Fischer, S. Voss, M. Hulko, U. Marquardt, K.-H. Wiesmüller, and R. Brock (2004)
Chemolabile Cellular Microarrays for Screening Small Molecules and Peptides
Molecular Diversity 8, 311-320
129. H. Duyar, J. Dengjel, K. L. de Graaf, K.-H. Wiesmüller, S. Stevanovic, and R. Weissert (2005)
Peptide Motif for the EAE Associated Rat MHC Class II Molecule RT1.D^a: Structural Similarities to the Multiple Sclerosis Associated HLA-DRB*1501
Immunogenetics 57, 69-76
130. E. E. Hamilton-Williams, A. Lang, D. Benke, G. M. Davey, K.-H. Wiesmüller, and C. Kurts (2005)
Cutting Edge: TLR Ligands are Not Sufficient to Break Cross-Tolerance to Self-Antigens
J. Immunol. 174, 1159-1163
131. U. Buwitt-Beckmann, H. Heine, K.-H. Wiesmüller, G. Jung, R. Brock, S. Akira, and A. J. Ulmer (2005)
Toll-Like Receptor 6-Independent Signaling by Diacylated Lipopeptides
Eur J Immunol. 35, 282-289
132. F. Reutter, G. Jung, W. Baier, B. Treyer, W. G. Bessler and K.-H. Wiesmüller (2005)
Immunostimulants and Toll-Like Receptor Ligands Obtained by Screening Combinatorial Lipopeptide Collections
J Pept Res. 65, 375-383
133. M. Manukyan, K. Triantafilou, M. Triantafilou, A. Mackie, N. Nilsen, T. Espevik, K.-H. Wiesmüller, A. J. Ulmer, and H. Heine (2005)
Binding of Lipopeptide to CD14 Induces Physical Proximity of CD14, TLR2 and TLR1
Eur. J. Immunol. 35, 911-921

134. U. Buwitt-Beckmann, H. Heine, K.-H. Wiesmüller, G. Jung, R. Brock, and A. J. Ulmer (2005)
Lipopeptide Structure Determines TLR2 Dependent Cell Activation Level
FEBS letters 272, 6354-6364
135. S. Voss, S. Welte, M. Fotin-Mleczek, R. Fischer, A. J. Ulmer, G. Jung, K.-H. Wiesmüller, and R. Brock (2006)
A CD14 Domain with Lipopolysaccharide-Binding and Neutralizing Activity
ChemBioChem 7, 275-286
136. T. Seyberth, S. Voss, R. Brock, K.-H. Wiesmüller and G. Jung (2006)
Lipolanthionine Peptides Act as Inhibitors of TLR2 Mediated IL-8 Secretion. Synthesis and Structure Activity Relationships
J. Med. Chem. 49, 1754-1765
137. U. Buwitt-Beckmann, H. Heine, K.-H. Wiesmüller, G. Jung, R. Brock, S. Akira, and A. Ulmer (2006)
TLR1- and TLR6-Independent Recognition of Bacterial Lipopeptides
J. Biol. Chem. 281, 9049-9057
138. A. Heeren, C. P. Luo, G. Roth, A. Ganser, R. Brock, K.-H. Wiesmüller, W. Henschel, and D. P. Kern (2006)
Diffusion Along Microfluidic Channels.
Microelectronic Engineering 83, 1669-1672
139. W. Gerner, M. S. Denyer, H.-H. Takamatsu, T. E. Wileman, K.-H. Wiesmüller, E. Pfaff, and A. Saalmüller (2006)
Identification of Novel Foot-and-Mouth Disease Virus Specific T-Cell Epitopes in C/C and D/D Haplotype Miniature Swine
Virus Res. 121, 223-228
140. G. Roth, S. Freund, B. Möhrle, K. Wöllner, J. Brünjes, G. Gauglitz, K.-H. Wiesmüller, and G. Jung (2007)
Ubiquitin Binds to a Short Peptide Segment of Hydrolase UCH-L3: A Study by FCS, RIFS, ITC and NMR ChemBioChem. 8, 323-331
141. S. Voss, R. Fischer, G. Jung, K.-H. Wiesmüller, and R. Brock (2007)
A Fluorescence-Based Synthetic LPS Sensor
J Am Chem Soc. 129, 554-561
142. A. B. Schromm, J. Howe, A. J. Ulmer, K.-H. Wiesmüller, T. Seyberth, G. Jung, M. Rossle, M. H. J. Koch, T. Gutschmann, and K. Brandenburg (2007)
Physicochemical and Biological Analysis of Synthetic Bacterial Lipopeptides: Validity of the Concept of 'Endotoxic Conformation'
J Biol Chem. 282, 11030-11037
143. W. Su, R. Mishra, J. Pfeuffer, K.-H. Wiesmüller, K. Ugurbil, and J. Engelmann (2007)
Synthesis and Cellular Uptake of a MR Contrast Agent Coupled to an Antisense Peptide Nucleic Acid-Cell-Penetrating Peptide Conjugate
Contrast Media Mol Imaging. 2, 42-49
144. T. Sharav, K.-H. Wiesmüller, and P. Walden (2007)
Mimotope Vaccines for Cancer Immunotherapy
Vaccine 25, 3032-3037
145. W. Hirschner, H.-M. Pogoda, C. Kramer, U. Thiess, B. Hamprecht, K.-H. Wiesmüller, M. Lautner, and S. Verleysdonk (2007)
Biosynthesis of Wdr16, a Marker Protein for Kinocilia-Bearing Cells, Starts at the Time of Kinocilia Formation in Rat, and Wdr16 Gene Knockdown Cause Hydrocephalus in Zebrafish
J. Neurochem. 101, 274-288
146. S. Voss, A. J. Ulmer, G. Jung, K.-H. Wiesmüller, and R. Brock (2007)
The Activity of Lipopeptide TLR2 Agonists Critically Depends on the Presence of Solubilizers
Eur. J. Immunol., 37, 3489-3498.
147. W. Gerner, V. Carr, K.-H. Wiesmüller, E. Pfaff, A. Saalmüller, B. Charleston (2007)
Identification of a Novel Foot-and-Mouth Disease Virus Specific T-Cell Epitope with Immunodominant Characteristics in Cattle with MHC Serotype A31
Vet. Res., 38, 565-572
148. M. Corrales, A. Fernández García, P. Butz, J. Stärke, E. Pfaff, K.-H. Wiesmüller, and B. Tauscher (2007)
Stability of Peptide Amides Under High Pressure
High Pressure Res., 27, 17-22
149. K. Farhat, S. Riekenberg, H. Heine, J. Debarry, R. Lang, U. Buwitt-Beckmann, K. Röschmann, G. Jung, K.-H. Wiesmüller, and A. J. Ulmer (2008)
Heterodimerization of TLR2 with TLR1 or TLR6 Expands the Ligand Spectrum but does not Lead to Differential Signaling
J Leukoc Biol. 83, 692-700
150. K. L. de Graaf, S. Barth, M. M. Herrmann, M. K. Storch, K.-H. Wiesmüller, and R. Weissert (2008)
Characterization of the encephalitogenic Immune Response in a Model of Multiple Sclerosis
Eur J Immunol. 38, 299-308

151. S. Gupta, S. Höpner, B. Rupp, S. Günther, K. Dickhaut, N. Agarwal, C. Cardoso, R. Kühne, K.-H. Wiesmüller, G. Jung, K. Falk, and O. Röttschke (2008)
Anchor Side Chains of Short Peptide Fragments Trigger Ligand-exchange of Class II MHC Molecules
PlosOne, 3, 1-10
152. I. R. Ruttekkolk, F. Duchardt, R. Fischer, K.-H. Wiesmüller, J. Rademann, and R. Brock (2008)
HPMA as a Scaffold for the Modular Assembly of Functional Peptide Polymers by Native Chemical Ligation
Bioconjug Chem. 10, 2081-2087
153. C. Jung, C. Stöckle, K.-H. Wiesmüller, R. Laub, F. Emmrich, G. Jung, and A. Melms (2008)
Complementary Strategies to Elucidate T helper Cell Epitopes in Myasthenia Gravis
J. Neuroimmunol. 201-202, 41-49
154. S. Riekenberg, K. Farhat, J. Debarry, H. Heine, G. Jung, K.-H. Wiesmüller, and A. J. Ulmer (2009)
Regulators of G-protein Signalling are Modulated by Bacterial Lipopeptides and Lipopolysaccharide,
FEBS J. 276, 649-659
155. W. Gerner, S. E. Hammer, K.-H. Wiesmüller, and A. Saalmüller (2009)
Identification of MHC Restriction and Anchor Residues of Foot-and-Mouth Disease Virus Derived Bovine T cell Epitopes
J. Virol. 83, 4039-4050
156. A. Ganser, G. Roth, J. van Galen, J. H. Joost, J. G. Wammes, I. Müller, F. van der Leeuwen, K.-H. Wiesmüller, and R. Brock (2009)
High-resolution Dose-response Profiles of Binary Mixtures of Chemotherapeutics With Only Two Pipetting Steps
Anal. Chem. 81, 5233-5240
157. T. André, A. Reichel, K.-H. Wiesmüller, R. Tampé, J. Piehler, and R. Brock (2009)
Selectivity of Competitive Multivalent Interactions at Interfaces
Chembiochem. 10, 1878-1887
158. A. Funfak, R. Hartung, J. Cao, K. Martin, K.-H. Wiesmüller, O. S. Wolfbeis, and J. M. Köhler (2009)
Highly Resolved Dose–response Functions for Drug-modulated Bacteria Cultivation Obtained by Fluorometric and Photometric Flow-through Sensing in Microsegmented Flow
Sens. Actuators B: Chem. doi:10.1016/j.snb.2009.07.017
159. A. Hoff, A.-C. Bâgu, T. André, G. Roth, K.-H. Wiesmüller, B. Gückel, and R. Brock (2010)
Peptide Microarrays for the Profiling of Cytotoxic T-lymphocyte Activity Using Minimum Numbers of Cells
Cancer Immunol. Immunother. 59, 1379-1387
160. A. B. Schromm, N. Reiling, J. Howe, K.-H. Wiesmüller, M. Roessle, and K. Brandenburg (2010)
Serum-dependent Immune Recognition of a Synthetic Lipopeptide Mimetic of the 19-kD Lipoprotein From *Mycobacterium Tuberculosis*
Innate Immun. 16, 213-225
161. C. Grunwald, K. Schulze, A. Reichel, V. U. Weiss, D. Blaas, J. Piehler, K.-H. Wiesmüller, and R. Tampé. (2010)
In situ assembly of macromolecular complexes triggered by light
PNAS, 107, 6146-6151
162. K. Farhat, S. Riekenberg, G. Jung, K.-H. Wiesmüller, T.W. Jungi, and A. J. Ulmer (2010)
Identification of Full Length Bovine TLR1 and Functional Characterization of Lipopeptide Recognition by Bovine TLR2/1 Heterodimer
Vet Res. 5-6, 34-41
163. A. Burger-Kentischer, I. S. Abele, D. Finkelmeier, K.-H. Wiesmüller, and S. Rupp (2010)
A New Cell-based Innate Immune Receptor Assay for the Examination of Receptor Activity, Ligand Specificity, Signalling Pathways and the Detection of Pyrogens
J. Immunol. Methods, 358, 93-103
164. D. T. Nguyen, L. de Witte, M. Ludlow, S. Yüksel, K.-H. Wiesmüller, T. B. H Geijtenbeek, A. D. M. E. Osterhaus, and R. L. de Swart (2010)
The Synthetic Bacterial Lipopeptide Pam3CSK4 Modulates Respiratory Syncytial Virus Infection Independent of TLR Activation
PLoS Pathog 6(8): e1001049. doi:10.1371/journal.ppat.1001049
165. J. M. Wisniewska, N. Jäger, A. Freier, F. O. Losch, K.-H. Wiesmüller, P. Walden, P. Wrede, G. Schneider, and Jan A. Hiss (2010)
MHC I Stabilizing Potential of Computer-Designed Octapeptides
J. Biomed. Biotechnol., doi: 10.1155/2010/396847
166. K. Kaczanowska, K.-H. Wiesmüller, and A.-P. Schaffner (2010)
Design, Synthesis, and in Vitro Evaluation of Novel Aminomethyl-pyridines as DPP-4 Inhibitors
ACS Med. Chem. Lett., 1(9), 530-535

167. S. Günther, A. Schlundt, J. Sticht, Y. Roske, U. Heinemann, K.-H. Wiesmüller, G. Jung, K. Falk, O. Röttschke and C. Freund (2010)
Bidirectional Binding of a Self Antigen to MHC Class II Molecules
PNAS 107(51), 22219-24
168. K. Kaczanowska, H. Eickhoff, K. Albert, K.-H. Wiesmüller, and A.-P. Schaffner (2011)
A Simple, Diversity Oriented Synthesis of Highly Substituted Pyridines
J. Heterocyc. Chem., doi: 10.1002/jhet.614
169. D. Jha, R. Mishra, K.-H. Wiesmüller, K. Ugurbil, M. Maier, and J. Engelmann (2011)
CyLoP-1: A Novel Cysteine-Rich Cell-Penetrating Peptide for Cytosolic Delivery of Cargoes
Bioconjugate Chem. 22, 319-328
170. M. Herget, C. Baldauf, C. Schölz, D. Parcej, K.-H. Wiesmüller, R. Tampé, R. Abele and E. Bordignon (2011)
Conformation of Antigenic Peptides Bound to the ABC Transporter TAP.
PNAS 108(4) 1349-1354
171. B. Rupp, S. Günther, T. Makhmoo, A. Schlundt, K. Dickhaut, S. Gupta, I. Choudhary, K.-H. Wiesmüller, G. Jung, C. Freund, K. Falk, O. Röttschke, R. Kühne (2011)
Characterization of Structural Features Controlling the Receptiveness of Empty Class II MHC Molecules.
PLoS One. 14:6(4):e18662
172. A. Burger-Kentischer, D. Finkelmeier, P. Keller, J. Bauer, H. Eickhoff, G. Kleymann, W. Abu Rayyan, A. Singh, K. Schröppel, K. Lemuth, K.-H. Wiesmüller and S. Rupp (2011)
A Screening Assay Based on Host-pathogen Interaction Models Identifies a Set of Novel Antifungal Benzimidazole Derivatives, Antimicrob. Agents and Chemother. 55 4789-4801
173. J. Bauer, S. Kinast, A. Burger-Kentischer, D. Finkelmeier, G. Kleymann, W. Abu Rayyan, K. Schröppel, A. Singh, G. Jung, K.-H. Wiesmüller, S. Rupp and H. Eickhoff (2011)
High-throughput Screening-based Identification and Structure-activity Relationship-characterization Defined (S)-2-(1-Aminoisobutyl)-1-(3-chlorobenzyl) benzimidazole as a Highly Antimycotic Agent, Non-toxic to Cell Lines
J. Med. Chem. 54 6693-6707
174. A. Patzelt, H. Richter, L. Dähne, P. Walden, K.-H. Wiesmüller, U. Wank, W. Sterry and J. Lademann (2011)
Influence of the Vehicle on the Penetration of Particles into Hair Follicles
Pharmaceutics 3, 307-314; doi:10.3390/pharmaceutics3020307
175. Y.-W. Kam, F.-M. Lum, T.-H. Teo, W.W. Lee, D. Simarmata, S. Harjanto, C.-L. Chua, Y.-F. Chan, J.-K. Wee, A. Chow, R.T. Lin, Y.-S. Leo, R. Le Grand, I.-C. Sam, J.-C. Tong, P. Roques, K.-H. Wiesmüller, L. Rénia, O. Röttschke, L.F. Ng (2012)
Early neutralizing IgG response to Chikungunya virus in infected patients targets a dominant linear epitope on the E2 glycoprotein.
EMBO Mol Med. 4(4), 330-343
176. C. Steinhäuser, U. Heigl, V. Tchikov, J. Schwarz, T. Gutschmann, K. Seeger, J. Fritsch, J. Schroeder, K.-H. Wiesmüller, I. Rosenkrands, J. Pott, E. Krause, S. Ehlers, W. Schneider-Brachert, S. Schütze and N. Reiling (2013)
Lipid Labeling of Bacteria Allows Rapid Immunomagnetic Purification and Characterization of Pathogen-containing Organelles Traffic, 14, 321-36; doi: 10.1111/tra.12031
177. R. B. Baleeiro, K.-H. Wiesmüller, Y. Reiter, B. Baude, L. Dähne, A. Patzelt, J. Lademann, J. A. Barbuto, and P. Walden (2013)
Topical vaccination with functionalized particles targeting dendritic cells
J. Invest. Dermatol. 20. doi: 10.1038/jid.2013.79.
178. R. B. Baleeiro, K.-H. Wiesmüller, Y. Reiter, B. Baude, L. Dähne, A. Patzelt, J. Lademann, J. A. Barbuto, and P. Walden (2013)
Topical vaccination with functionalized particles targeting dendritic cells
J. Invest. Dermatol. 20. doi: 10.1038/jid.2013.79.
179. M. Stiehm, K. Peters, K.-H. Wiesmüller, A. Bufe, M. Peters (2013)
A novel synthetic lipopeptide is allergy-protective by the induction of LPS-tolerance.
Clin Exp Allergy 43, 785-97. doi: 10.1111/cea.12116.
180. N.C. Perera, K.-H. Wiesmüller, M.T. Larsen, B. Schacher, P. Eickholz, N. Borregaard, D.E. Jenne (2013)
NSP4 is stored in azurophil granules and released by activated neutrophils as active endoprotease with restricted specificity.
J Immunol. 191, 2700-2707. doi: 10.4049/jimmunol.1301293.
181. S. Das, A. Freier, T. Boussoffara, S. Das, D. Oswald, F.O. Losch, M. Selka, N. Sacerdoti-Sierra, G. Schönian, K.-H. Wiesmüller, K. Seifert, M. Schroff, C. Juhls, C.L. Jaffe, S. Roy, P. Das, H. Louzir, S.L. Croft, F. Modabber, P. Walden (2014)
Modular multiantigen T cell epitope-enriched DNA vaccine against human leishmaniasis.
Sci Transl Med. 6(234):234ra56. doi: 10.1126/scitranslmed.3008222.
182. P. Keller, C. Müller, I. Engelhardt, E. Hiller, K. Lemuth, H. Eickhoff, K.-H. Wiesmüller, A. Burger-Kentischer, F. Bracher, S. Rupp (2015)
An Antifungal Benzimidazole Derivative Inhibits Ergosterol Biosynthesis and Reveals Novel Sterols.
Antimicrob Agents Chemother. 59(10), 6296-6307. doi: 10.1128/AAC.00640-15.

183. G.M. de Tejada, L. Heinbockel, R-Ferrer-Espada, H. Heine, C. Alexander, S. Bárcena-Varela, T. Goldmann, W. Correa, K.-H. Wiesmüller, N. Gisch, S. Sánchez-Gómez, S. Fukuoka, T. Schürholz, T. Gutschmann, K. Brandenburg (2015) Lipoproteins/peptides are sepsis-inducing toxins from bacteria that can be neutralized by synthetic anti-endotoxin peptides. *Sci Rep.* 22;5:14292. doi: 10.1038/srep14292.