



Publikationen Dr. rer. nat. Martin Blüthner

Originalarbeiten

2011

- ▶ **Autoantibodies against inosine-5'-monophosphate dehydrogenase 2--characteristics and prevalence in patients with HCV-infection**

Seelig HP, Appelhans H, Bauer O, Blüthner M, Hartung K, Schranz P, Schultze D, Seelig CA, Volkmann M.

Clin Lab: 57(9-10), 753-65 (2011)

2010

- ▶ **Neuromyelitis optica and NMO-IgG in European pediatric patients**

Huppke P, Blüthner M, Bauer O, Stark W, Reinhardt K, Huppke B, Gärtner J.

Neurology: 75(19), 1740-1744 (2010)

2009

- ▶ **Identification of Rho-GTPase-activating protein 26 as a novel autoantigen**

Blüthner M, Appelhans H, Moosbrugger I, Wiemann C, Ludwig J, Seelig HP in: Conrad K, Chan EKL, Fritzler MFJ, Humbel RL, von Landenberg P, Shoenfeld Y (Hrsg): From pathogenesis to therapy of autoimmune diseases. Report on the 9th Dresden Symposium on autoantibodies: 108-109 (2009)

- ▶ **Identification of Inosine-1,2-Monophosphate dehydrogenase as a novel autoantigen.**

Blüthner M, Appelhans H, Moosbrugger I, Wiemann C, Lenz D, Seelig HP in: Conrad K, Chan EKL, Fritzler MJ, Humbel RL, Landenberg von P, Shoenfeld Y, (Hrsg): From pathogenesis to therapy of autoimmune diseases . Report on the 9th Dresden Symposium on autoantibodies: 106-107 (2009)

2007

- ▶ **Antibody to aquaporin 4 in the diagnosis of neuromyelitis optica**

Paul F, Jarius S, Aktas O, Blüthner M, Bauer O, Appelhans H, Franciotta D, Bergamaschi R, Littleton E, Palace J, Seelig HP, Hohlfeld R, Vincent A, Zipp F

PLoS Med: 4(4), e133 (2007)

2005

- ▶ **Clinical evaluation of autoantibodies to a novel PM/Sci peptide antigen**

Mahler M, Raijmakers R, Dährnich C, Blüthner M, Fritzler MJ

Arthritis Res Ther: 7(3), 704-713 (2005)

- ▶ **Identification of a SmD3 epitope with a single symmetrical dimethylation of an arginine residue as a specific target of a subpopulation of anti-Sm antibodies**

Mahler M, Fritzler MJ, Blüthner M

Arthritis Res Ther: 7(1), 19-29 (2005)

2003

- ▶ **Advances in B-cell epitope analysis of autoantigens in connective tissue diseases**

Mahler M, Blüthner M, Pollard KM

Clin Immunol: 107(2), 65-79 (2003)

- ▶ **Recombinant anti-P protein autoantibodies isolated from a human autoimmune library: reactivity, specificity and epitope recognition**

Zampieri S, Mahler M, Blüthner M, Qiu Z, Malmegrim K, Ghirardello A, Doria A, van Venrooij WJ, Raats JM

Cell Mol Life Sci: 60(3), 588-598 (2003)



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- ▶ **Characterization of the human autoimmune response to the major C-terminal epitope of the ribosomal P proteins**

Mahler M, Kessenbrock K, Raats J, Williams R, Fritzler MJ, [Blüthner M](#)
J Mol Med: 81(3), 194-204 (2003)

2002

- ▶ **Development of a CENP-A/CENP-B-specific immune response in a patient with systemic sclerosis**

Mahler M, Mierau R, Genth E, [Blüthner M](#)
Arthritis Rheum: 46(7), 1866-1872 (2002)

2001

- ▶ **A population of autoantibodies against a centromere-associated protein A major epitope motif cross-reacts with related cryptic epitopes on other nuclear autoantigens and on the Epstein-Barr nuclear antigen 1**

Mahler M, Mierau R, Schlumberger W, [Blüthner M](#)
J Mol Med: 79(12), 722-731 (2001)

2000

- ▶ **Fine-specificity of the anti-CENP-A B-cell autoimmune response**

Mahler M, Mierau R, [Blüthner M](#)
J Mol Med:78(8), 460-467 (2000)

- ▶ **Proteolytic cleavage of a self-antigen following xenobiotic-induced cell death produces a fragment with novel immunogenic properties**

Pollard KM, Pearson DL, [Blüthner M](#), Tan EM
J Immunol: 165(4), 2263-2270 (2000)

- ▶ **G(-699)/C polymorphism in the bradykinin-1 receptor gene in patients with renal failure**

Knigge H, [Blüthner M](#), Brüntgens A, Sator H, Ritz E
Nephrol Dial Transplant: 15(5), 586-588 (2000)

- ▶ **Identification of an alpha-helical epitope region on the PM/Scl-100 autoantigen with structural homology to a region on the heterochromatin p25beta autoantigen using immobilized overlapping synthetic peptides**

[Blüthner M](#), Mahler M, Müller DB, Dünzl H, Bautz FA
J Mol Med:78(1), 47-54 (2000)

1999

- ▶ **Increased frequency of G-protein beta 3-subunit 825 T allele in dialyzed patients with type 2 diabetes**

[Blüthner M](#), Schmidt S, Siffert W, Knigge H, Nawroth P, Ritz E
Kidney Int: 55(4), 1247-1250 (1999)

- ▶ **Identification of major linear epitopes on the sp100 nuclear PBC autoantigen by the gene-fragment phage-display technology**

[Blüthner M](#), Schäfer C, Schneider C, Bautz FA
Autoimmunity: 29(1), 33-42 (1999)

- ▶ **Association of methylenetetrahydrofolate reductase gene polymorphism and diabetic nephropathy in type 2 diabetes?**

[Blüthner M](#), Brüntgens A, Schmidt S, Strojek K, Grzeszczak W, Ritz E
Nephrol Dial Transplant: 14(1), 56-57 (1999)



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1998

- ▶ **A polymorphism in the gene for the atrial natriuretic peptide and diabetic nephropathy. Diabetic Nephropathy Study Group**

Schmidt S, Blüthner M, Giessel R, Strojek K, Bergis KH, Grzeszczak W, Ritz E
Nephrol Dial Transplant: 13(7), 1807-1810 (1998)

1997

- ▶ **The autoimmunity-inducing xenobiotic mercury interacts with the autoantigen fibrillarin and modifies its molecular and antigenic properties**

Pollard KM, Lee DK, Casiano CA, Blüthner M, Johnston MM, Tan EM
J Immunol: 158(7), 3521-3528 (1997)

1996

- ▶ **Mapping of epitopes recognized by PM/Scl autoantibodies with gene-fragment phage display libraries**

Blüthner M, Bautz EK, Bautz FA
J Immunol Methods: 198(2), 187-198 (1996)

1995

- ▶ **Cleavage of DNA topoisomerase I (Scl-70 autoantigen) during apoptosis**

Casiano CA, Pollard KM, Blüthner M, Tan EM, Martin SJ
Arthritis Rheum: 38, S319 (1995)

1993

- ▶ **The LIM-motif of the human T-cell translocation deregulated gene (TTG-2) takes part in protein-protein interaction**

Wildhart G, Blüthner M, Bodem J, Royer-Pokora B
Journal of Cancer Research and Clinical Oncology: Suppl. 2, 119 (1993)

1992

- ▶ **Cloning and characterization of the cDNA coding for a polymyositis-scleroderma overlap syndrome-related nucleolar 100-kD protein**

Blüthner M, Bautz FA
J Exp Med: 176(4), 973-978 (1992)

Buchbeiträge

2002

- ▶ **Epitope mapping of antibodies with solid-phase oligopeptides**

Koch J, Mahler M, Blüthner M in: Koch J, Mahler M (Hrsg): Peptide Arrays on Membrane Supports - Synthesis and Applications, Springer Lab Manual: 69-82 (2002)

- ▶ **Affinity purification and competition assays using solid-phase oligopeptides**

Mahler M, Blüthner M, Koch J in: Peptide Arrays on Membrane Supports - Synthesis and Applications, Springer Lab Manual: 107-122 (2002)

- ▶ **Mutational analysis and structure predictions**

Blüthner M, Mahler M, Koch J in: Peptide Arrays on Membrane Supports - Synthesis and Applications, Springer Lab Manual: 123-140 (2002)



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► **Modification of immobilized peptides**

Bodem J, Blüthner M in: Peptide Arrays on Membrane Supports - Synthesis and Applications, Springer Lab Manual: 141-152

► **Immobilized peptides to study protein-protein interactions - potentials and pitfalls**

Bräuning R, Mahler M, Hügler-Dörr B, Blüthner M, Koch J, Petersen G in Peptide Arrays on Membrane Supports - Synthesis and Applications, Springer Lab Manual: 153-164 (2002)

2001

► **Analysis of protein interactions with peptides synthesized on membranes**

Koch J, Mahler M, Blüthner M, Dübel S in: Golemis E, Serebriiskii I: Protein Interactions, Cold Spring Harbor Laboratory Press: 569-581 (2001)

2000

► **Advances in B-cell epitope elucidation in patients with sSc (systemic sclerosis)**

Blüthner M, Bautz FA in: Pandalai SG (Hrsg): Recent Research Developments in Immunology: 2 Part I, 249-264 (2000)

1998

► **Methods in immunolocalization of autoantigens**

Blüthner M in: Schenkel J (Hrsg): RNP particles, splicing and autoimmune diseases, Springer Lab Manual: 155-193 (1998)

1994

► **The PM/ScI antigens**

Bautz FA, Blüthner M in: Venrooij van WJ, Maini RN (Hrsg): Manual of Biological Markers of Disease, Kluwer Academic Publishers: B 5.4/1-B 5.4/17 (1994)