

# 6<sup>TH</sup> DRESDEN SYMPOSIUM ON AUTOANTIBODIES

DRESDEN, SEPTEMBER 4-7, 2002





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Dear colleagues,

On behalf of the organizers it is a great pleasure to welcome you to Dresden for the 6<sup>th</sup> Dresden Symposium on Autoantibodies.

In 13 sessions, more than fifty scientists and clinicians from many European countries, Australia, Brazil, Canada, Israel, Japan, and the United States will present their latest achievements in basic and applied research on autoimmunity, especially on autoantibodies and autoantigens.

Since the first Dresden Symposium in 1990 a rapid advancement of new technologies has led to growing insights into processes of the induction, diversification and pathogenic effects of autoimmune responses as well as to the improvement of diagnostic serology. Positive interferences between genomics/ ribonomics/(transcriptomics)/ proteomics technologies and autoantigen/autoantibody research stimulate investigations on normal and pathologic cellular processes and allow the elucidation of novel autoantigenic proteins and their corresponding autoantibodies. New developments and challenges in the field of diagnostic serology have rapidly become apparent. Immunofluorescence with transfected cell substrates and "LINE" assays are successfully introduced into routine diagnosis but are only the beginning of what is becoming a rapid succession of more novel technologies such as autoantigen or peptide arrays, microfluidics and nanotechnology. The application of those novel technologies with enhanced reliability, sensitivity and cost-effectiveness may well stimulate investigations of autoantibodies in epidemiological research.

Since 1990 we have witnessed rapid developments in the town of Dresden, the capital of Saxony. The city faces change from day to day. Dresden is becoming a catalyst of economic, scientific and cultural life.

We hope this meeting will become success. May all participants have a pleasant stay in Dresden full of interesting contacts.

*Karsten Conrad*

WEDNESDAY  
SEPTEMBER 4TH

08.30-10.15

**Registration**

10.15-10.30

**Welcome and Introductions**

10.30-12.15

**THE IMPACT OF GENOMICS/RIBONOMICS/PROTEOMICS ON AUTOANTIGEN AND AUTOANTIBODY RESEARCH**

Co-Chairs: J. Keene (Durham, USA)  
M. Mann (Odense, Denmark)

**Main Lectures**

10.30-11.00

Autoantigens associated with messenger RNAs revealed using microarray technologies  
*J. Keene (Durham, USA)*

11.00-11.30

Identifying proteins in genome databases using mass spectrometry  
*M. Mann (Odense, Denmark)*

**Short Lectures**

11.30-11.45

The use of phage display to identify a conformational autoepitope in primary biliary cirrhosis  
*M. Scealy, I.R. Mackay, M.J. Rowley (Melbourne, Australia)*

11.45-12.00

Anti-citrulline antibodies and citrullinating enzymes in RA  
*E.R. Vossenaar, T. Radstake, A. van der Heijden, P. Barrera, G. Pruijn, W. J. van Venrooij (Nijmegen, The Netherlands)*

12.00-12.15

A study of overlapping epitopes recognised by antibodies to GAD65 using phage display  
*K.H. O'Connor, M. Scealy, M.J. Rowley (Melbourne, Australia)*

LUNCH BREAK –  
POSTER AND EXHIBITION VIEWING

12.15-13.30

**Poster**

Epitope-fine mapping of the major C-terminal epitope of the ribosomal P-proteins

P1

*M. Mahler, K. Kessenbrock, J. Raats, M. Blüthner (Freiburg, Germany)*

**NEW DIAGNOSTIC TECHNIQUES IN AUTOANTIGEN/AUTOANTIBODY ANALYSES**

13.30-15.15

Co-Chairs: M. Fritzler (Calgary, Canada)  
R.W. Burlingame (San Diego, USA)

**Main Lectures**

New technologies in the detection of autoantibodies:  
The present and future

13.30-14.00

*M. Fritzler (Calgary, Canada)*

Systematic analyses of microbial antigens and infection induced autoimmunity

14.00-14.30

*U. Sahin (Mainz, Germany)*

**Short Lectures**

Three multiplexed tests for extractable nuclear antigens using the Luminex 100

14.30-14.45

*R.W. Burlingame, A.L. Piette, C. von Mühlen, K.M. Pollard, W.L. Binder (San Diego, USA)*

Automatized classification of HEp-2-cell based indirect immunofluorescence patterns by a novel computerized system

14.45-15.00

*U. Sack, S. Knöchner, P. Perner, U. Pigla, M. Kamprad (Leipzig, Germany)*

WEDNESDAY  
SEPTEMBER 4TH

15.00-15.15

Line-assay with recombinant antigens for diagnosis of systemic autoimmune rheumatic diseases  
*T. Kattenfeld, A. Kromminga, M. Motz (Martinsried, Germany)*

15.15-16.15

COFFEE BREAK –  
POSTER AND EXHIBITION VIEWING

**Poster**

P2

The BIOONE® system: the new dosage of autoantibodies  
*L. Voorn, P. Backelandt, A. Duyckaerts, L. Zecchignon, T. Swiatkowski, A. Bosseloir (Angleur, Belgium)*

P3

Rapid flow cytometric differentiation of anti-platelet antibodies with microspheres  
*M. Woetzel, S. Schroeder, U. Sack, F. Emmrich (Leipzig, Germany)*

16.15-18.00

**NOVEL AUTOANTIBODIES OF DIAGNOSTIC AND / OR PATHOGENIC RELEVANCE**

Co-Chairs: E.K.L. Chan (Gainesville, USA)  
G.J.M. Pruijn (Nijmegen, The Netherlands)

**Main Lectures**

16.15-16.45

Novel cytoplasmic mRNP compartment recognized by human autoantibodies  
*E.K.L. Chan (Gainesville, USA)*

16.45-17.15

Translational regulators as autoantigens in systemic autoimmune diseases  
*G. Steiner (Vienna, Austria)*

**Short Lectures**

Autoantibodies against small nucleolar ribonucleoprotein complexes and their clinical associations

17.15-17.30

*H. van Eenennaam, J.H.P. Vogelzangs, L. Bisschops, L.C.J. te Boome, H.P. Seelig, M. Renz, D.-J. de Rooij, R. Brouwer, H.P. Pluk, W.J. van Venrooij, F.H.J. van den Hoogen, G.J.M. Pruijn (Nijmegen, The Netherlands)*

New antibody pattern in liver transplant patients with genetic donor-recipient incompatibility for GSTT1. Correlation with de novo-immune mediated hepatitis and monoclonal gammopathy

17.30-17.45

*I. Wichmann, I. Aguilera, J.M. Sousa, A. Bernardos, E. Franco, J.R. García-Lozano, A. Núñez-Roldán (Sevilla, Spain)*

Identification and molecular characterization of two autoantibody systems associated with the indirect immunofluorescence cytoplasm discrete speckled (IIF-CDS) pattern

17.45-18.00

*C.C.F.C. Laurino, N.P. Silva, A.H. Straus, H.K. Takahashi, M. Benchimol, I.C. Almeida, R. Mortara, R. Tedesco, L.E.C. Andrade (São Paulo, Brazil)*

**Poster**

NY-ESO1 autoantibody - a novel candidate for early diagnosis of lung cancer

P4

*K. Conrad, P. Krause, O. Türeci, W. Heine, U. Luxemburger, J. Mehlhorn, U. Sahin (Dresden, Germany)*

WEDNESDAY  
SEPTEMBER 4TH

P5

Antibodies recognizing different retinal antigens are present in sera of patients with lung diseases  
*W.A. Gorczyca, R. Jankowska, I. Porebska, D. Witkowska, M. Kuropatwa (Wroclaw, Poland)*

19.30

Get Together



**INDUCTION OF AUTOANTIBODIES  
AND AUTOIMMUNE DISEASES I**

Co-Chairs: W. Reeves (Gainesville, USA)  
H. Scofield (Oklahoma City, USA)

08.30-10.15

**Main Lectures**

The pristane model of lupus  
*W. Reeves (Gainesville, USA)*

08.30-09.00

Infectious origin of antiphospholipid syndrome  
*Y. Shoenfeld, M. Blank (Tel Hashomer, Israel)*

09.00-09.30

Induction of anti-Ro/SSA and Sjogren's syndrome by immunization  
*R. H. Scofield (Oklahoma City, USA)*

09.30-10.00

**Short Lectures**

Linear epitopes of two different autoantigens (La/SSB and myelin basic protein) with molecular similarity, produce different humoral responses  
*A. Terzoglou, J.G. Routsias, C. Sakarellos, M. Sakarellos-Daitsiotis, H.M. Moutsopoulos, A.G. Tzioufas (Athens, Greece)*

10.00-10.15

COFFEE BREAK –  
POSTER AND EXHIBITION VIEWING

10.15-11.00

THURSDAY  
SEPTEMBER 5TH

11.00-12.45

**INDUCTION OF AUTOANTIBODIES  
AND AUTOIMMUNE DISEASES II**

Co-Chairs: M. Bachmann (Oklahoma City,  
USA)  
C. Casiano (Loma Linda, USA)

***Main Lectures***

11.00-11.30

Apoptosis, a mechanism to break tolerance?  
*M. Bachmann (Oklahoma City, USA)*

11.30-12.00

Apoptotic cleavage of the LEDGF/p75 autoantigen:  
mechanism and implications for autoimmunity in  
various human disorders  
*C. Casiano (Loma Linda, USA)*

12.00-12.30

Regulation of the anti-La/SSB response via the idio-  
typic network: Serologic implications and clinical  
significance  
*A. Tzioufas (Athens, Greece)*

***Short Lecture***

12.30-12.45

Rapid onset of intra- and inter-molecular epitope  
spreading by immunization with 4-hydroxy-2-  
nonenal modified 60 kDa-Ro  
*B.T. Kurien, S. Ganick, D. Obeso, M. McClain, Q.  
Pye, R. Schneider, R.H. Broyles, J.A. James, M.  
Bachmann, J.B. Harley, K.M. Hensley, R.H. Scofield  
(Oklahoma City, USA)*

**Poster**

Mice transgenic for human La are tolerant to La antigen in the form of late apoptotic cells

*Z. Pan, K. Davis, M.P. Bachmann, A.D. Farris (Oklahoma City, USA)*

P6

Characteristics of the anti-dsDNA autoantibody response induced by Infliximab

*P. Charles, L. Aarden, R.N. Maini (London, UK)*

P7

Induction of autoantibodies in different mouse strains by the C-terminal peptide of SmD1 83-119

*G. Riemekasten, D. Langnickel, P. Enghard, A. Meine, F. Hiepe (Berlin, Germany)*

P8

Influence of Th1 and Th2 cytokines on the primary and secondary immune response in vitro

*I. Sterzl, J. Votruba, P. Matucha, J. Sterzl (Prague, Czech Republic)*

P9

Relationship between rheumatoid factors, immune complexes and galactosylation status of IgG during humoral immune response in hyperimmunized rabbits

*D. Ciric, N. Milosevic-Jovcic, V. Ilic, Lj. Hajdukovic-Dragojlovic (Belgrade, Yugoslavia)*

P10

Antinuclear antibody profile following infliximab treatment in rheumatoid arthritis and spondyloarthropathy

*L. de Rycke, N. van Damme, E. Kruithof, I.E.A. Hoffman, F. van den Bosch, E.M. Veys, F. de Keyser (Ghent, Belgium)*

P11

Complexes of natural autoantibodies with histones perform role of novel autoantibodies

*D.N. Abakushin, A.M. Poverenny (Obninsk, Russia)*

P12

P13 The reactivity of human serum IgM antibodies with Salmonella outer membrane proteins as a potential marker of Salmonella carrier  
*A. Gamian, D. Witkowska, M. Staniszevska, W. Gorczyca, L. Maslowski (Wroclaw, Poland)*

P14 Reactivity of antibodies against human muscle beta-enolase with bacterial outer membrane proteins  
*D. Witkowska, J. Pietkiewicz, B. Szostko, A. Gamian (Wroclaw, Poland)*

12.45-13.45 LUNCH BREAK –  
POSTER AND EXHIBITION VIEWING

13.45-16.00 **AUTOANTIBODIES IN SKIN DISEASES**

Co-Chairs: M. Meurer (Dresden, Germany)  
M. Sárdy (Budapest, Hungary)

**Main Lectures**

13.45-14.15 Pathogenic role of anti-Ro/SS-A autoantibodies in cutaneous manifestations of SLE  
*F. Hiepe (Berlin, Germany)*

14.15-14.45 Potential pathogenic role of anti-fibroblast autoantibodies in scleroderma  
*P.L. Meroni (Milan, Italy)*

14.45-15.15 Autoantibody populations directed against different transglutaminase isoenzymes in dermatitis herpetiformis and coeliac disease  
*M. Sárdy (Budapest, Hungary)*

15.15-15.45 Molecular aspects of the pathogenesis of autoimmune subepidermal skin diseases  
*Kromminga (Hamburg, Germany)*

A highly sensitive and simple assay for the detection of circulating autoantibodies against full-length bullous pemphigoid antigen 180

*E. Schmidt, A. Kromminga, S. Mimietz, U. Leinfelder, E.-B. Bröcker, D. Zillikens, U. Zimmermann*

15.45-16.00

**Poster**

Anti-stratum corneum antibodies in active psoriasis  
*M. Cojocaru, S. Popescu, A. Cimpean, D. Iordachescu, M. Costache (Bucharest, Romania)*

P15

COFFEE BREAK –  
POSTER AND EXHIBITION VIEWING

16.00-16.30

**AUTOANTIBODIES AGAINST RECEPTOR STRUCTURES – PATHOGENESIS AND THERAPY OF ANTI-RECEPTOR-ANTIBODY INDUCED DISEASES**

Co-Chairs: J. Hoebcke (Strasbourg, France)  
E. Wettwer (Dresden, Germany)

16.30-18.30

**Main Lecture**

Autoantibodies against G-protein coupled receptors  
*G. Wallukat (Berlin, Germany)*

16.30-17.00

**Short Lectures**

Autoantibodies against the beta1-adrenoceptor increase L-type  $Ca^{++}$  current in human atrial myocytes

*T. Christ, D. Dobrev, E. Wettwer, D. Müller, M. Knaut, G. Wallukat, U. Ravens (Dresden, Germany)*

17.00-17.15

THURSDAY  
SEPTEMBER 5TH

17.15-17.30

Translocation of the transcription factor NF-kappa B from cytoplasm into nucleus in cultured cells induced by TNF-alpha, and autoantibodies against alpha1-adrenergic and AT1 receptor

*W. Schulze, V. Homuth, E. Nissen, D. Neichel, P.S. Leung, G. Wallukat (Berlin, Germany)*

17.30-17.45

Functional monoclonal antibodies against the human beta1-adrenergic receptor

*R. Mobini, A. Staudt, G. Wallukat, A. Mijares, J. Hoebeke, (Strasbourg, France)*

17.45-18.00

Induction of beta1-adrenergic receptor-directed autoimmune cardiomyopathy in the rat

*R. Jahns, V. Boivin, S. Triebel, L. Hein, G. Ertl, C.E. Angermann, M.J. Lohse (Würzburg, Germany)*

18.00-18.15

The occurrence of autoantibodies against G-protein coupled receptors is associated with oxidative stress

*I. Schimke (Berlin, Germany)*

18.15-18.30

Specific removal of autoantibodies against beta1-adrenergic receptor from patients with dilated cardiomyopathy: Results from a pilot study

*J. Müller (Berlin, Germany)*

P16

Agonistic antibodies targeting Angiotensin II type 1 receptor cause acute vascular rejection in the absence of immunological risk

*D. Dragun (Berlin, Germany)*

**AUTOANTIBODIES IN LIVER AND GASTROIN-  
TESTINAL DISEASES**

Co-Chairs: X. Bossuyt (Leuven, Belgium)  
T. Halttunen (Tampere, Finland)

**Lectures**

The role of the immune response against tissue  
transglutaminase in the pathogenesis of coeliac dis-  
ease

*T. Freitag, G. Melino, H. Schulze-Koops, G. Niedobitek, E.G. Hahn, D. Schuppan (Erlangen-Nürnberg, Germany)*

Biological functions of coeliac disease autoanti-  
bodies

*T. Halttunen, R. Marzari, D. Sblattero, M. Mäki (Tampere, Finland)*

Reactivity of mouse gliadin antibodies with deami-  
dated gliadin

*F. Kahlenberg, I. Lachmann, S. Tschiedel, J. Schneider-Mergener, A.A. Osman, U. Sack, T. Mothes (Leipzig, Germany)*

Anti-tissue transglutaminase antibodies: Prevalence  
and clinical significance in connective tissue dis-  
eases and autoimmune gastrointestinal diseases

*N. Bizzaro, D. Villalta, E. Tonutti, A. Doria, M. Tampona, D. Bassetti, R. Tozzoli (S. Donà di Piave, Italy)*

Prevalence of pancreatic autoantibodies in patients  
with inflammatory bowel disease (IBD), their first-  
degree relatives and spouses

*S. Joossens, L. Codefridis, G. Claessens, S. Vermeire, M. Pierik, N. Esters, R. Aerts, X. Bossuyt, P. Rutgeerts (Leuven, Belgium)*

08.30-10.10

08.30-08.50

08.50-09.05

09.05-09.25

09.25-09.40

09.40-09.55

09.55-10.10

Prevalence of anti-UDP-glucuronosyltransferase autoantibodies in patients with autoimmune hepatitis  
*A. Desbos, J. Magdalou, E. Benoit, F. Lapique, J.C. Monier, S. Veber, N. Fabien (Lyon, France)*

**Poster**

- P17 Detection of antiphospholipid-antibodies in patients with primary biliary cirrhosis and autoimmune hepatitis  
*P. von Landenberg, R. Schlichting, J. Schölmerich, G. Lock (Regensburg, Germany)*
- P18 The frequency and pattern of autoantibodies and immunoglobulin levels in chronic hepatitis  
*A. Pituch-Noworolska, A. Macura-Biegun (Kraków, Poland)*
- P19 ANCA and inflammatory bowel disease: antigenic specificity  
*E. Mainardi, L. Cresci, M.T. Romagnoli, A. Vagni, P. Galli, A. Montanelli (Crema, Italy)*
- P20 Assay of coeliac disease autoantibodies applying an ELISA with human tissue transglutaminase  
*A.A. Osman, T. Richter, M. Stern, K. Conrad, J. Henker, C. Brandsch, K.-P. Zimmer, T. Mothes (Leipzig, Germany)*
- P21 ANCA target antigen(s) in patients with autoimmune hepatitis  
*A. Kozmar, R. Ostojic, Z. Krznaric, B. Vucelic, B. Malenica (Zagreb, Croatia)*
- P22 Prevalence of various autoantibodies in patients infected with hepatitis C virus  
*V. Tabor, M. Fucek, I. Hrstic, Z. Krznaric, B. Vucelic, B. Malenica (Zagreb, Croatia)*



Laboratory findings in autoimmune liver diseases patients

*V.V. Bazarny, E.N. Bessonova, D.A. Mazein, O.M. Lesnyak (Ekaterinburg, Russia)*

P23

COFFEE BREAK –  
POSTER AND EXHIBITION VIEWING

10.10-11.00

**AUTOANTIBODIES IN NEUROLOGICAL AND ENDOCRINE DISEASES**

11.00-12.30

Co-Chairs: B. Lang (Oxford, UK)  
J. Honnorat (Lyon, France)

**Main Lectures**

Autoimmune disorders of the neuromuscular junction

*B. Lang (Oxford, UK)*

11.00-11.30

Diversity of neurologic disorders with anti-GAD antibodies

*J. Honnorat (Lyon, France)*

11.30-12.00

**Short Lectures**

Autoantibody findings in patients with paraneoplastic neuropathies

*F. Blaes, M. Klotz, M. Tschernatsch, J. Kraus, I. Krasenbrink, M. Kaps (Giessen, Germany)*

12.00-12.15

Clinical outcome of paraneoplastic cerebellar degeneration associated with antineuronal antibodies in 48 patients

*S. Shams-Ili, J. Grefkens, B. de Leeuw, H. Hooijkaas, P. Sillevs Smitt (Rotterdam, The Netherlands)*

12.15-12.30

**Poster**

- P24 Autoantibodies in children and adults with paraneoplastic opsoclonus-myoclonus syndrome  
*V. Fühlhuber, I. Krasenbrink, I. Juhasz-Böss, M. Klotz, M. Kaps, F. Blaes (Giessen, Germany)*
- P25 EUROLINE-WB allows reliable differentiation of autoantibodies against neural antigens in patients with paraneoplastic neurological syndrome.  
*T. Scheper, M. Klotz, W. Meyer, W. Schlumberger, W. Stöcker (Lübeck, Germany)*
- P26 Autoantibodies to gangliosides in patients with multiple sclerosis and normal healthy controls  
*C. Wehrend, U. Sack, F. Emmrich, M. Kamprad (Leipzig, Germany)*
- P27 Analytical and clinical evaluation of second generation assays for thyrotropin receptor antibodies.  
*D. Villalta, R. Tozzoli, E. Orunesu, P. Montagna, G. Pesce, N. Bizzaro, M. Bagnasco (Pordenone, Italy)*
- P28 Cytofluorimetric evaluation of antigen regions of thyroid peroxidase in patients with graves' disease and non-toxic nodular goiter  
*A. Bossowski, A. Stasiak-Barmuta, B. Czarnocka, M. Urban, J. Dadan (Bialystok, Poland)*
- P29 Reactivity of anti-liver-kidney microsome type 1 (LKM-1) antibodies in the sera of patients with type 1 diabetes mellitus  
*O. Neacsu, M. Cojocaru, I. Cojocaru, D. Cheta (Bucharest, Romania)*
- P30 Study of anti-actin and anti-myosin antibodies in myasthenia gravis  
*I. Cojocaru, M. Cojocaru, R. Tanasescu, C. Musuroi (Bucharest, Romania)*

Autoantibodies in Hashimoto's encephalitis  
*J. Abu-Isa, M. Bodemer, S. Poser, A. Schlüter, I. Zerr*  
(Goettingen, Germany)

P31

HLA association with autoimmune endocrinopathies  
*P. Hrdá, F. Korióth, P. Matucha, I. Sterzl, A. Kromminga*  
(Prague, Czech Republic)

P32

Prevalence of antitransglutaminase antibodies in a pediatric population with type 1 diabetes  
*F. Bienvenu, N. Peretti, A. Lachaux, M. Nicolino, G. Tanzilli, C. Bouvet, R. Bouvier, S. Veber, J. Bienvenu, N. Fabien*  
(Lyon, France)

P33

Multiple and high-titer single autoantibodies in schoolchildren reflecting the genetic predisposition for type 1 diabetes  
*M. Schlosser, R. Wassmuth, M. Strebellow, I. Rjasanowski, B. Ziegler, M. Ziegler*  
(Karlsburg, Germany)

P34

Autoantibody profile in acute inner ear diseases  
*M. Kamprad, K. Donaubaauer, K. Conrad, U. Fickweiler, H. Müller, U. Sack*  
(Leipzig, Germany)

P35

LUNCH BREAK –  
POSTER AND EXHIBITON VIEWING

12.30-13.30

### **AUTOANTIBODIES AND EPIDEMIOLOGY**

Chair: D. Germolec (Research Triangle Park, USA)

13.30-15.00

### **Main Lectures**

The epidemiology of autoimmune diseases: contribution of previous studies and opportunities for future research

*G. Cooper* (Research Triangle Park, USA)

13.30-14.00

FRIDAY  
SEPTEMBER 6TH

14.00-14.30

Relevance of exogeneous factors in the development of autoimmune diseases  
*D. Germolec (Research Triangle Park, USA)*

**Short Lectures**

14.30-14.45

Iodine prophylaxis and risk of arising autoimmune thyroid diseases in children  
*V. Aranovich, M. Svinarev (Saratov, Russia)*

14.45-15.00

Autoantibodies in risk groups for autoimmune diseases  
*K. Conrad (Dresden, Germany)*

15.00-16.00

COFFEE BREAK –  
POSTER AND EXHIBITION VIEWING

16.00-18.15

**AUTOANTIBODIES IN RHEUMATIC DISEASES**

Co-Chairs: W.J. van Venrooij (Nijmegen, The Netherlands)  
F. Hiepe (Berlin, Germany)

**Main Lectures**

16.00-16.30

Autoimmune response to glyceraldehyde-3-phosphatase dehydrogenase (GAPDH) is strongly associated with its cellular function in lupus patients  
*Y. Takasaki (Tokyo, Japan)*

16.30-17.00

Anti-CCP antibodies in (early) rheumatoid arthritis  
*W.J. van Venrooij (Nijmegen, The Netherlands)*

17.00-17.30

Citrullinated antigens as targets of rheumatoid arthritis specific autoimmune responses  
*G. Serre (Toulouse, France)*

**Short Lectures**

Identity of the RNase MRP and RNase P associated Th/To-autoantigen

*H. van Eenennaam, J.H.P. Vogelzangs, D. Lugtenberg, F.H.J. van den Hoogen, W.J. van Venrooij, G.J.M. Pruijn (Nijmegen, The Netherlands)*

17.30-17.45

Prevalence of antibodies against alpha-fodrin in Sjögren's syndrome: Comparison of two sets of classification criteria

*T. Witte, T. Matthias, M. Oppermann, K. Helmke, H.H. Peter, R.E. Schmidt, M. Tishler (Hannover, Germany)*

17.45-18.00

Evidence for immunity to type II collagen in the pathogenesis of rheumatoid arthritis: high frequency of antibodies to collagen fragment CB10

*M.J. Rowley, A.D. Cook, A. Stockman (Melbourne, Australia)*

18.00-18.15

**Poster**

Anti-citrullinated peptides autoantibodies or anti-filagrin autoantibodies: what is the best for diagnosis of RA ?

*C. Ferraro-Peyret, J. Tebib, S. Veber, N. Fabien (Lyon, France)*

P36

Detection of anti-CCP and diagnosis of rheumatoid arthritis

*R.W. Burlingame, R. Morris, A. Metzger, C. von Muhlen, M.H. Wener, C.L. Peebles, A.L. Piette (San Diego, USA)*

P37

Comparison of anti-CCP (cyclic citrullinated peptide) assays in rheumatoid arthritis

*A. Mustila, A.M. Haapala (Tampere, Finland)*

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- P39 Antibodies to cyclic citrullinated peptide in RA: a sensitive and specific diagnostic marker  
*P.J. Charles, R.N. Maini (London, UK)*
- P40 The diagnostic significance of autoantibodies in patients with very early rheumatoid arthritis  
*V.P.K. Nell, K.P. Machold, W. Hueber, G. Eberl, H. Hiesberger, E. Hoefler, J.S. Smolen, G. Steiner (Vienna, Austria)*
- P41 Anti-keratin and anti-cyclic citrullinated peptide autoantibodies in patients with juvenile idiopathic arthritis  
*I. Hromadnikova, K. Stechova, P. Vavrincova, D. Hridelova, H. Nekvasilova, H. Reitzova, J. Vavrinec (Prague, Czech Republic)*
- P42 Juvenile idiopathic arthritis and anti-keratin/anti-CCP antibodies  
*K. Conrad, J. Oppermann, D. Möbius, M. Borte, G. Heubner (Dresden, Germany)*
- P43 Antineutrophil cytoplasmic antibodies in connective tissue diseases  
*G. Kirdaite, J. Dadonien, E. Redaitiene (Vilnius, Lithuania)*
- P44 Antineutrophil cytoplasmic antibodies in patients with Buerger's disease  
*I.M. Manolova, D.P. Petkov, M. Gulubova (Stara Zagora, Bulgaria)*
- P45 Binding properties of a sequence-specific pathogenic Lupus anti-ssDNA autoantibody  
*J. Cleary, J. Beckingham, R. Glick, G.D. Glick (Ann Arbor, USA)*

Anti beta-2 glycoprotein 1 antibodies and 17 beta-estradiol serum levels in female rheumatoid arthritis patients

*R. Sokolik, A. Durazinska, M. Szmyrka, J. Szechinski (Wroclaw, Poland)*

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Antibodies against beta-2 glycoprotein 1 and cardiolipin in rheumatoid arthritis patients with cardiovascular diseases

*A. Durazinska, M. Szmyrka, B. Jazwiec, J. Szechinski (Wroclaw, Poland)*

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Relationship between autoantibodies against oxidised LDL, lipid peroxidation products and cytokine profile in diabetic type 2 patients

*H. Donica, M. Koziol-Montewka, E. Staroslawska (Lublin, Poland)*

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Anti-cholesterol antibodies in atherosclerosis

*A. Horváth, G. Füst, P. Antal-Szalmas, I. Csipö, I. Karádi (Budapest, Hungary)*

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Serum anti-glomerular basement membrane antibodies in patients with renopulmonary syndrome

*D. Iordanescu, M. Cojocaru, I. Cojocaru, O. Neacsu (Bucharest, Romania)*

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**Social Dinner (Moritzburg Castle)**

19.30

08.30-10.30

**PATHOGENIC EFFECTS OF AUTOANTIBODIES**

Co-Chairs: E. Csernok (Lübeck, Germany)  
S. Kaveri (Paris, France)

**Main Lectures**

08.30-09.00

Understanding the pathogenesis of ANCA: were are we today?

*E. Csernok (Lübeck, Germany)*

09.00-09.30

Catalytic activity of anti-Factor VIII antibodies in hemophilia

*S. Kaveri (Paris, France)*

**Short Lectures**

09.30-09.45

GM1-specific antibodies trigger leukocyte inflammatory functions via IgG receptors

*N.M. van Sorge, W.-L. van der Pol, P.A. van Doorn, J. van Strijp, J.C.J. van de Winkel, L.H. van den Berg (Utrecht, The Netherlands)*

09.45-10.00

Pathogenic effects of anti-retinal autoantibodies of autoimmune retinopathy

*G. Ren, S. Shiraga, G. Adamus (Portland, USA)*

10.00-10.15

The effects of pathogenic antibodies to type II collagen on cartilage synthesis in vitro

*S.F. Amirahmadi, M.-P. van Damme, M.J. Rowley (Melbourne, Australia)*

10.15-10.30

Molecular dissection of the Goodpasture epitope

*T. Hellmark, K. Bolton, J. Wieslander (Lund, Sweden)*



**Poster**

The TNF-alpha induced upregulation of 52kD Ro/SSA autoantigen expression in human keratinocytes is mediated via TNF-alpha receptor I (TNF-RI)  
*B. Hostmann, V. Ruppert, M. Gerl, A. Waka, C. Johnen, F. Hiepe (Berlin, Germany)*

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COFFEE BREAK –  
POSTER AND EXHIBITION VIEWING

10.30-11.30

**Special Lecture**

Anti-prothrombin antibodies: pathogenesis and specificity  
*T. Koike (Sapporo, Japan)*

11.30-12.00

**PATHOGENIC AUTOANTIBODIES IN PREGNANCY**

Co-Chairs: J. Buyon (New York, USA)  
Y. Shoenfeld (Tel Hashomer, Israel)

12.00-13.20

**Main Lectures**

Autoantibodies in reproductive failure  
*M. Blank, Y. Shoenfeld (Tel Hashomer, Israel)*

12.00-12.30

Anti-SSA/Ro-SSB/La antibodies and the cascade pathogenesis of congenital heart block: An overview  
*J. Buyon (New York, USA)*

12.30-13.00

Peptide display library to identify mimotopes of autoantigens associated with neonatal lupus  
*R.M. Clancy, F. Di Donato, E.K.L. Chan, J.P. Buyon (New York, USA)*

13.00-13.20

**METHODICAL ASPECTS AND DIAGNOSTIC STRATEGIES**

**Poster**

- P52 The benefit of anti-deoxyribonucleoprotein (anti-DNP) antibodies determination in the laboratory of clinical immunology  
*I. Lochman, L. Cebecauer, V. Novák, H. Tomásková, A. Kloudová, A. Lochmanová (Ostrava, Czech Republic)*
- P53 Comparison of several laboratory tests used in diagnostics of rheumatic diseases  
*I. Lochman, V. Novák, A. Kloudová, A. Lochmanová (Ostrava, Czech Republic)*
- P54 A comparative study of the diagnostic efficiency of anti-dsDNA antibody tests in systemic lupus erythematosus  
*B. Schlüter, L. Kaucikaite, H. Schotte, P. Willeke, H. Becker, A. Dyong, J. Haier, R. Gellner, G. Bonsmann, M. Gaubitz (Münster, Germany)*
- P55 Performance of a new automated fluorescence immunoassay (EliA™ dsDNA) for the follow-up of anti-ds DNA antibodies in SLE patients  
*A. Lakaf, C. Sapin, V. Moal, J.R. Harlé, M. Sanmarco (Marseille, France)*
- P56 Clinical evaluation of a new dsDNA-RIA  
*R. Wöhrle, P. von Landenberg, M. Oppermann, K. Helmke, T. Witte (Munich, Germany)*
- P57 Detection of dsDNA antibodies in SLE: efficiency of the automated EliA-immunoassay in comparison with non-automated systems.  
*D. Kuhn, S. Kadler, E. Boehme, M. Linnemann (Ingelheim, Germany)*

Detection of dsDNA antibodies in SLE: a case report based evaluation of discrepant results between the automated EliA immunoassay and an established non-automated assay

*D. Kuhn, S. Kadler, E. Boehme, M. Linnemann (Ingelheim, Germany)*

P58

Comparison of two different methods for detection of dsDNA antibodies related to SLE patients at different disease status

*M. Rodriguez-Mahou, F.J. López-Longo, J.L. Ruiz-Tiscar, E.F. dez-Cruz, (Madrid, Spain)*

P59

Autoantibodies against nucleosomes are pathognomonic for SLE - a 2nd generation ELISA shows no reactivity with sera from scleroderma patients

*W. Schlumberger, C. Daehnrich, W. Suer, S. Frahm, W. Stoecker (Lübeck, Germany)*

P60

Clinical and laboratory evaluation of an ELISA, indirect immunofluorescence and a new automated fluorescence immunoassay for detection on antinuclear antibodies

*A.M. Haapala, A. Mustila, M. Pertovaara (Tampere, Finland)*

P61

Comparison of screening by IIF (HEp 2) and an ANA ELISA vs a new automated ANA/ENA screening (EliA) in patients from routine

*M.I. Casas, F. Cava, F.J. Fernandez, S. Valor, J.M. Gonzalez-Buitrago, C. Gonzalez, B. Garcia, J.A. Navajo, W. Papisch (Salamanca, Spain)*

P62

Comparison of screening by IIF (HEp 2) vs a new automated ANA/ENA screening (EliA) in defined patients

*C. Gonzalez, J.M. Buitrago, M.L. Casas, F. Cava, B. Garcia, J.A. Navajo, W. Papisch, S. Valor (Salamanca, Spain)*

P63

- P64 Evaluation of the detection of anti-dsDNA and -ENA by a new automated fluorescence immunoassay  
*M. López-Hoyos, H. López-Escribano, M. Peña, M.J. Bartolomé (Santander, Spain)*
- P65 Evaluation of EliA™ screening and detection of antibodies directed against extractable nuclear antigens  
*E. Oris, C. Bunn, G. Godefridis, N. Kolbus, W. Papisch, X. Bossuyt (Leuven, Belgium)*
- P66 A new fluorescence immunoassay (EliA™ Sm) for the detection of anti-Sm antibodies  
*M. Mahler, R.C. Williams (Freiburg, Germany)*
- P67 Antibodies against SS-A can only be precisely detected using the native antigen: Results of a study using the EUROLINE-WB  
*W. Meyer, T. Scheper, K. Wilhelm, M. Jarzabek-Chorzelska, Z. Kolacinska-Strasz, W. Schlumberger, W. Stoecker (Lübeck, Germany)*
- P68 A new LINE immunoassay for the detection of myositis-specific autoantibodies  
*B. Hentschel, J. Schulte-Pelkum, W. Schöblier, F. Hiepe, R. Mierau, K. Conrad (Berlin, Germany)*
- P69 Evaluation of a renewed cardiolipin antibody assay – requirements of GMP confirm production  
*W. Papisch, T. Frey, B. Berg (Freiburg, Germany)*
- P70 Increased specificity for systemic vasculitis with capture ELISA for MPO-ANCA?  
*M. Carlsson, J. Wieslander, M. Segelmark (Lund, Sweden)*
- P71 Evaluation of a new sensitive ELISA for the detection of PR3 Antibodies  
*M. Mahler, P. Höpfl, E. Mummert (Freiburg, Germany)*

Pattern of humoral autoimmunity in patients with breast cancer

*M. Volkmann, Y. Hajjar, J. Huober, D. Gaugel, J. Ludwig, S. Hänsel, G. Bastert, H. Zentgraf, D. Wallwiener, W. Fiehn (Heidelberg, Germany)*

P72

Increased blood plasma concentrations of TGF- $\beta$  in patients with multiple sclerosis after treatment with IVIG

*D. Reinhold, K. Schrecke, E. Perlov, H.-J. Heinze, M. Sailer (Magdeburg, Germany)*

P73

Immune response to neo- or recall antigens is not altered by alefacept

*A. Gottlieb, A. Vaishnaw, K. Gordon (New Brunswick, USA)*

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Alefacept (human LFA-3/IgG1) is well tolerated and non-immunogenic: results of two randomized, placebo-controlled phase III trials

*G. Krueger, A. Vaishnaw, K. Gordon (Salt Lake City, USA)*

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**Venue**

The modern Lecture Hall Centre of the Technical University of Dresden is located in the South of the city, about 15 minutes walk away from the Central Railway Station.

Hörsaalzentrum der Technischen Universität  
Dresden, Bergstraße 64, D-01069 Dresden

**Registration office**

September 4: 07.30 - 18.30  
September 5: 08.30 - 18.30  
September 6: 08.30 - 18.30  
September 7: 08.30 - 14.00

**Phone/Fax on site**

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Karsten Conrad, Germany

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Michael Meurer, Germany  
Yehuda Shoenfeld, Israel

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Participants	EUR 300
Students/Residents	EUR 150
One day ticket	EUR 100

(includes unlimited access to all scientific sessions, welcome reception, industrial exhibition, second and third volume of the book series "Autoantigens, Autoantibodies, Autoimmunity", coffee and lunch breaks)

Wednesday, September 4, 2002, 19.30  
**Welcome reception** in the Lecture Hall Centre of the Technical University of Dresden

Friday, September 6, 2002, 19.30  
**Social Dinner** in Schloss Moritzburg, the hunting lodge and summer residence of August the Strong (1670-1733), king of Saxony and Poland. A guided

## INFORMATIONS

**International  
advisory board**

**Language**

**City map**

**Organization  
(Registration,  
Reservation,  
Exhibition)**

**Registration fee**

**Social programme**

tour through the baroque museum will be offered. In the rooms of the Moritzburg castle you can see the largest collection of ornamental leather tapestries in the world, Saxon and French furniture, Oriental and Meissen porcelain and paintings of the 17th and 18th century.

(19.00 Departure by bus)



The following companies participate in the industrial exhibition and have made a generous sponsoring (in alphabetical order):

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