

13th Dresden Symposium on Autoantibodies

September 27-30, 2017

Immunodeficiency, Infection and Autoimmune Diseases



4th International Consensus on ANA Pattern (ICAP) Workshop
3rd International Autoantibody Standardization (IAS) Workshop

September 26, 2017

Preliminary Programme

Tuesday, 26.09.2017

4th International Consensus on ANA Pattern (ICAP) Workshop

Chair: Luis Andrade (São Paulo, Brazil) and Edward K.L. Chan (Gainesville, USA)

08:30 - 10:30	4th ICAP Workshop Part I <i>Programme in preparation</i>
10:30 - 11:00	Coffee Break
11:00 - 13:00	4th ICAP Workshop Part II
13:00 - 14:00	Lunch Break

3rd International Autoantibody Standardization (IAS) Workshop

Chair: Pier Luigi Meroni (Milan, Italy) and Joanna Sheldon (London, UK)

14:00 - 16:00	3rd IAS Workshop Part I <i>Programme in preparation</i>
16:00 - 16:30	Coffee Break
16:30 - 18:30	3rd IAS Workshop Part II

Wednesday, 27.09.2017

08:00 - 22:00	Registration
10:30 - 11:00	Welcome & Introduction
11:00 - 12:30	<p style="text-align: center;">Primary immunodeficiencies and autoimmunity</p> <p>Autoimmune manifestations in primary immunodeficiencies <i>Frédéric Rieux-Laucat (Paris, France)</i></p> <p>Autoimmune diseases in primary immune deficiency patients: a broad range in a referral immunology center <i>Ceyda Tunakan Dalgıç, Fatma Ömür Ardeniz, Aytül Zerrin Sin (Izmir, Turkey)</i></p> <p>Pathogenesis of autoimmunity in common variable immunodeficiency <i>Ulrich Salzer (Freiburg, Germany)</i></p> <p>What can we learn from primary immunodeficiencies for the risk stratification of biologics used for treatment of autoimmune diseases <i>Jan Damoiseaux (Maastricht, The Netherlands)</i></p>
12:30 - 14:00	Lunch Break Industrial Exhibition and Poster Viewing
14:00 - 15:30	<p style="text-align: center;">Infections and autoimmunity</p> <p>Microbial infections, neutrophil extracellular traps and their connection to autoimmunity <i>Marco Radic (Memphis, USA)</i></p> <p>Unnoticed microbial mimics of autoimmune rheumatic diseases-specific autoantigens <i>Dimitrios Bogdanos (Larissa, Greece)</i></p> <p>Circulating cell-free nucleic acids in rheumatoid arthritis: clues for the involvement of infectious agents in the pathophysiology <i>Ger Pruijn (Nijmegen, The Netherlands)</i></p> <p>Alpha Enolase, a common autoantigen in infection, autoimmunity, and cancer <i>Carlos Casiano (Loma Linda, USA)</i></p>
15:30 - 16:00	Coffee Break
16:00 - 18:00	<p style="text-align: center;">Autoimmune diagnostics using ultrafast IFT microscopy combined with ultimate monospecific detection procedures (sponsored by EUROIMMUN Medizinische Labordiagnostika AG)</p> <p>Efficient IFA workflows from sample identification to final report of autoantibody analyses <i>Kai Fechner (Lübeck, Germany)</i></p> <p>Performance analysis of automated evaluation of anti-nuclear antibody indirect immunofluorescent tests in a routine setting <i>Jan Damoiseaux (Maastricht, The Netherlands)</i></p> <p>ANA testing: The renaissance of indirect immunofluorescence assay <i>Vincent Ricchiuti (Dublin, USA)</i></p> <p>Ultrafast EUROPattern: A new era in automatic IFA microscopy <i>Panagiotis Grypiotis (Lübeck, Germany)</i></p> <p>Laboratory diagnostics of autoantibodies in autoimmune myopathies <i>Wolfgang Meyer (Lübeck, Germany)</i></p> <p>Clinical implications of anti-cN-1A testing in inclusion body myositis <i>Anke Rietveld (Nijmegen, The Netherlands)</i></p>

	<p>Prevalence and consequence of autoantibodies in a large systemic sclerosis cohort <i>Ruben Smeets (Nijmegen, The Netherlands)</i></p>
18:00	<p style="text-align: center;">Get Together Industrial Exhibition and Poster Viewing</p>

Thursday, 28.09.2017

08:30 - 10:30	<p style="text-align: center;">Novel aspects of autoantibodies in autoimmune liver disease, necrotizing myopathies and rheumatoid arthritis (sponsored by Inova Diagnostics, Inc.)</p> <p>Autoantibodies in autoimmune liver disease <i>Dimitrios Bogdanos (Larissa, Greece)</i></p> <p>Novel biomarkers for primary biliary cholangitis (PBC) - Anti-hexokinase 1 and anti-kelch-like 12 antibodies <i>Gary Norman (San Diego, USA)</i></p> <p>Performance evaluation of QUANTA Flash LKM-1 and Mit-3 <i>Roger Albasa (San Diego, USA)</i></p> <p>Background and recent update of autoimmune myositis <i>Zoe Betteridge (Bath, UK)</i></p> <p>Recent updates on anti-HMGCR antibodies and performance evaluation of QUANTA Flash HMGCR <i>Silvia Casas (Barcelona, Spain)</i></p> <p>Added value by combining autoantibody results in Rheumatoid Arthritis <i>Leendert Trouw (Leiden, The Netherlands)</i></p> <p>Utility of anti-PAD3 antibodies in management of Rheumatoid Arthritis <i>Laura Martinez-Prat (San Diego, USA)</i></p>
10:30 - 11:00	Coffee Break
11:00 - 12:30	<p style="text-align: center;">Trends in autoantibody testing</p> <p>Trends in autoantibody testing: The imperative of autoimmune disease prevention <i>Marvin Fritzier (Calgary, Canada)</i></p> <p>Summary of the 3rd International Autoantibody Standardization (IAS) Workshop <i>Joanna Sheldon (London, UK)</i></p> <p>ANCA harmonization of test interpretation <i>Xavier Bossuyt (Leuven, Belgium)</i></p> <p>Multiparametric models as an aid in the diagnosis of rheumatoid arthritis <i>Michael Mahler, Chelsea Bentow, Roger Albasa, Laura Cesana, <u>Laura Martinez-Prat</u>, Pascale Roux-Lombard, Michael Nissen, Celine Lamacchia, Cem Gabay (San Diego, USA)</i></p> <p>A phage display screen for novel theranostic autoantibodies in rheumatoid arthritis <i>Patrick Vandormael, Dana Quaden, Patrick Verschueren, Veerle Somers (Hassel, Belgium)</i></p>
12:30 - 14:00	Lunch Break Industrial Exhibition and Poster Viewing
12:30 - 14:00	EASI Forum Meeting (EASI members only)

14:00 - 15:30	<p style="text-align: center;">Standardization/harmonization of ANA testing</p> <p>Novel aspects and future directions in ANA testing <i>Michael Mahler (San Diego, USA)</i></p> <p>Proposed ICAP refinements - how to move forward <i>Edward K.L. Chan (Gainesville, USA)</i></p> <p>The robustness of indirect immunofluorescence (IIF) patterns in the anti-cellular antibody test on HEp-2 cells (HEp-2-IIF) <i>Luis E.C. Andrade (São Paulo, Brazil)</i></p> <p>The association of solid-phase assays to immunofluorescence for ANA screening increases the clinical specificity of diagnostic tests in patients with autoimmune rheumatic diseases. Results of a large collaborative study <i>Nicola Bizzaro (Tolmezzo, Italy)</i></p> <p>Adapting ANA pattern nomenclature to the ICAP recommendations: first experience from proficiency testing and routine diagnosis <i>Martin Blüthner (Karlsruhe, Germany)</i></p>
15:30 - 16:00	Coffee Break
16:00 - 18:00	<p style="text-align: center;">Pathogenesis and prediction of rheumatoid arthritis</p> <p>Mechanisms leading from systemic autoimmunity to joint-specific disease in rheumatoid arthritis <i>Anca I. Catrina (Stockholm, Sweden)</i></p> <p>Autoantibodies against modified proteins in RA <i>Leendert Trouw (Leiden, The Netherlands)</i></p> <p>Population based screening for ACPA: A step in the pathway to the prevention of rheumatoid arthritis? <i>Michael Mahler (San Diego, USA)</i></p> <p>Can autoantibodies be used as tools for prediction of therapeutic responses in patients with rheumatoid arthritis? <i>Günter Steiner (Vienna, Austria)</i></p> <p>Evaluation of the 2010 ACR/EULAR Classification Criteria for Rheumatoid Arthritis in a secondary care hospital with 7 different anti-cyclic citrullinated peptide antibody and 6 different rheumatoid factor assays <i>Lieve Van Hoovels, Julie Jacobs, Bert Vander Cruyssen, Stefanie Van den Breemt, Patrick Verschueren, Xavier Bossuyt (Aalst, Belgium)</i></p>
18:00 - 19:00	<p>EASI Austria & Germany Meeting</p> <p>for EASI members only</p>

Friday, 29.09.2017

08:30 - 10:30	<p style="text-align: center;">Emerging diagnostic technologies and novel autoantigenic targets in the serology of autoimmune diseases</p> <p style="text-align: center;">(sponsored by MEDIPAN GmbH and GA Generic Assays GmbH)</p> <p>Identification of chitinase 3 like-1-protein as a neutrophil autoantigenic target in inflammatory bowel diseases and autoimmune liver disorders <i>Claudia Deutschmann (Senftenberg, Germany)</i></p> <p>A novel 3rd generation TSH-receptor antibody (TRab) enzyme-linked immunosorbent assay based on a murine monoclonal TSH receptor-binding inhibitory antibody <i>Johannes Roggenbuck (Dresden, Germany)</i></p> <p>Mucosal autoimmunity to cell-bound GP2 isoforms 1 and 4 is a sensitive marker in severe primary sclerosing cholangitis <i>Mandy Sowa (Senftenberg, Germany)</i></p> <p>Simultaneous detection of celiac-disease specific IgA antibodies and total IgA by CytoBead assay – comprehensive celiac serology <i>Kai Grossmann (Dahlewitz, Germany)</i></p> <p>Analysis of antiganglioside antibodies by a line immunoassay in patients with chronic inflammatory demyelinating polyneuropathies <i>Juliane Klehmet (Berlin, Germany)</i></p> <p>Antinuclear antibody and nuclease serum activity as biomarkers of response to infliximab in rheumatoid arthritis <i>Marharyta Volkava (Minsk, Belarus)</i></p>
10:30 - 11:00	Coffee Break
11:00 - 12:30	<p style="text-align: center;">Functional and pathogenic autoantibodies</p> <p>Functional autoimmunity to G protein-coupled receptors <i>Gabriela Riemekasten (Lübeck, Germany)</i></p> <p>The pathogenic effects of autoantibodies against beta1-adrenergic receptors in chronic heart failure <i>Roland Jahns (Würzburg, Germany)</i></p> <p>Signal and Noise - diagnostics of autoantibodies against beta1-adrenergic receptors in clinical settings <i>Fritz Boege (Düsseldorf, Germany)</i></p> <p>Functionally active antibodies against type II collagen drive an acute onset rheumatoid arthritis phenotype <i>Johan Rönnelid (Uppsala, Sweden)</i></p> <p>Treatment strategies for functional autoantibody disease <i>Ingolf Schimke (Berlin, Germany)</i></p>
12:30 - 14:00	Lunch Break Industrial Exhibition and Poster Viewing

14:00 - 15:30	<p style="text-align: center;">European Autoimmunity Standardisation Initiative (EASI) Symposium</p> <p>What is EASI? <i>Nina Olschowka (Freiburg, Germany)</i></p> <p>ANA / ENA questionnaire and EASI recommendations <i>Jan Damoiseaux (Maastricht, The Netherlands)</i></p> <p>The new international consensus on ANCA testing <i>Xavier Bossuyt (Leuven, Belgium)</i></p> <p>Support of laboratories in certification <i>Nicola Bizzaro (Tolmezzo, Italy)</i></p> <p>Some major projects of the local EASI groups <i>Manfred Herold (Innsbruck, Austria)</i></p> <p>Questionnaire on the use of ANA, RF and ACPA in clinical practice: results from the EASI groups in Austria and France <i>Nicole Fabien, Lucile Musset, Manfred Herold, Jan Damoiseaux, <u>Maria José Sousa</u> (Lisboa, Portugal)</i></p>
15:30 - 16:00	Coffee Break
16:00 - 17:30	<p style="text-align: center;">Etiopathogenesis of systemic autoimmune diseases</p> <p>Human Papilloma virus (HPV) and its vaccine as a novel cause of SLE <i>Yehuda Shoenfeld (Tel Hashomer, Israel)</i></p> <p>Innate immunity in antiphospholipid syndrome <i>Pier Luigi Meroni (Milan, Italy)</i></p> <p>Cytomegalovirus as trigger of autoimmune rheumatic diseases: the case of systemic sclerosis <i>Dimitrios Bogdanos (Larissa, Greece)</i></p> <p>Vascular hypothesis revisited: Role of stimulating antibodies against angiotensin and endothelin receptors in the pathogenesis of systemic sclerosis <i>Gabriela Riemekasten (Lübeck, Germany)</i></p> <p>Serum Tryptophan and Kynurenine levels are altered in systemic sclerosis with distinct clinical and autoantibody associations <i>Simon D. Lytton, Corrado Campochiaro, Voon Ong, Dietmar Fuchs, Christopher P. Denton (Munich, Germany)</i></p>
17:45	Departure to Dresden Palace (Zwinger)
18:00 - 22:00	Social Dinner

Saturday, 30.09.2017

08:30 - 10:30	<p style="text-align: center;">Autoantibodies in ANCA associated vasculitides and connective tissue diseases</p> <p>Pathophysiological and genetic studies in ANCA-associated vasculitis point to a new disease classification based on autoantibodies <i>Elena Csernok (Kirchheim, Germany)</i></p> <p>Neutrophil extracellular traps are a substrate for the detection and discrimination of anti-neutrophil cytoplasmic antibodies <i>Thorsten Krieger, Rachita Panda, Luke Hopf, Thomas Renné, Friedrich Haag, Nadja Röber, Karsten Conrad, Elena Csernok, Tobias A. Fuchs (Hamburg, Germany)</i></p> <p>Interference of perinuclear anti-neutrophil cytoplasmic antibody (P-ANCA) detection by antinuclear antibody specificities <i>Carolina Auza, Michael Mahler, <u>May Choj</u>, Erika Aron, Marvin Fritzler (Calgary, Canada)</i></p> <p>Update on autoantibodies in necrotizing myopathies, with special regard to anti-HMGCR <i>Carlos Alberto von Mühlen (Porto Alegre, Brazil)</i></p> <p>Incidence of myositis-specific autoantibodies profiles and specificities in sera referred to New Zealand medical laboratories <i>John O'Donnell, Paula Keating, Mark van Voorthuizen, John Liu, Ignatius Chua, Andrew Soepnel, Elysia Gumbley, <u>Myfanwy Spellerberg</u> (Christchurch, New Zealand)</i></p> <p>Sjögren's syndrome – Do we need to identify novel autoantibodies? <i>Manfred Herold (Innsbruck, Austria)</i></p> <p>Epitope mapping of anti-Ro52 antibody responses in patients with autoimmune rheumatic diseases reveals differential epitope recognition <i>Athanasios Gkoutzourelas, Christos Liaskos, Tomas Scheper, Wolfgang Meyer, Dimitrios P. Bogdanos, Lazaros I. Sakkas (Larissa, Greece)</i></p>
10:30 - 11:00	Coffee Break
11:00 - 12:30	<p style="text-align: center;">Novel autoantibodies and methodical aspects</p> <p>Characterization of cryptic antinuclear autoantibody target antigens <i>Zitao Zeng, Ramona Miske, Madeleine Scharf, Yvonne Denno, Christian Probst, Winfried Stöcker, Lars Komorowski (Lübeck, Germany)</i></p> <p>Autoimmunity as a putative stratifying factor of the clinical phenotype in Crohn's disease <i>Dirk Roggenbuck, Dirk Reinhold, Daniel Baumgart, Peter Schierack, Claudia Deutschmann, Karsten Conrad, Martin W. Laass (Senftenberg, Germany)</i></p> <p>Autoantigenic rods/rings assembly correlates with T cell activation <i>S. John Calise and Edward K.L. Chan (Gainesville, USA)</i></p> <p>Antibody profiling identifies novel antigenic targets in spinal cord injury patients <i>Ilse Palmers, Elke Ydens, Eric Put, Bart Depreitere, Helma Bongers-Janssen, Peter Pickkers, Sven Hendrix, Veerle Somers (Diepenbeck, Belgium)</i></p> <p>Screening for antibody reactivity in axial spondyloarthritis using a cDNA phage display library <i>Dana Quaden, Patrick Vandormael, Liesbeth De Winter, Piet Geusens, Veerle Somers (Diepenbeck, Belgium)</i></p> <p>Novel minor nuclear autoantigens in type 1 diabetes <i>Denise Müller, Tanja Teliëps, Anne Eugster, Mnja Jolink, Anetee Gabirele Ziegler, Ezio Bonifacio (Dresden, Germany)</i></p>
12:30 - 13:30	Lunch Break Industrial Exhibition and Poster Viewing

13:30 - 15:00	<p style="text-align: center;">Organ specific autoimmune diseases and tumors</p> <p>Prevalences of 39 anti-neural autoantibodies in 40.000 diagnosed samples <i>Winfried Stöcker (Lübeck, Germany)</i></p> <p>Autoantibodies in interstitial lung disease and lung cancer <i>Minoru Satoh (Kitakyushu, Japan)</i></p> <p>Helicobacter pylori in multiple sclerosis: an ideal model of microbiota-triggered autoimmunity? <i>Dimitrios Bogdanos (Larissa, Greece)</i></p> <p>Anti-C1q antibodies in patients with multiple sclerosis and other various neurological diseases <i>Christos Liaskos, Stamatina Rentouli, <u>Georgios Efthymiou</u>, Athanasios Gkoutzourelas, Zisis Tsouris, Gary L. Norman, Zisis Mamouris, Efthimios Dardiotis, Lazaros I. Sakkas, Georgios Hadjigeorgiou, Dimitrios P. Bogdanos (Larissa, Greece)</i></p> <p>Autoantibody profiling in aqueous humour of patients with uveitis <i>Josianne C. ten Berge, Aniki Rothova, Joost van Rosmalen, <u>Marco W.J. Schreurs</u> (Rotterdam, The Netherlands)</i></p> <p>Differentiation of autoantibody response against Zinc transporter 8 in autoimmune diabetes <i>Michael Schlosser, Kathrin Wilhelm, Uwe Walschus, Kirsten Kesselring, Vito Lampasona, Ilona Rjasanowski, Wolfgang Kerner (Greifswald, Germany)</i></p> <p>Immunomics profiling on high density protein-arrays elucidates autoantibody increase one year before clinical diagnosis of ulcerative colitis <i>Andreas Weinhaeusel, G. Beikircher, S. Schönthaler, R. Soldo, P. Hettegger, C. Noehammer, K. Vierlinger, R. Kulovics, M. Siebeck, R. Gropp (Vienna, Austria)</i></p>
15:00 - 16:00	Dresden Prize Award Ceremony & Conclusion
16:00 - 17:00	Farewell Coffee Break