

17th Dresden Symposium on Autoantibodies

The Autoantibody Spectrum: Bridging Health, Diagnostics, and Disease

The Symposium is organized in appreciation of Prof. Eng M. Tan's outstanding merits
in the field of autoimmunity

Dresden, September 09-12, 2025

8th International Consensus on ANA Pattern (ICAP) Workshop
September 08, 2025

**Dresden Fair (Messe Dresden), Messering 6,
Portal (Tor) 2, 01067 Dresden**

Preliminary Program

MONDAY
SEPTEMBER 08

8th International Consensus on ANA Pattern (ICAP) Workshop

9.00-10.30

8th ICAP WORKSHOP PART I

Co-Chairs: Luis E.C. Andrade (São Paulo, Brazil)
Lucile Musset (Paris, France)

- 9.00-9.05 Welcome and agenda (*Lucile Musset and Luís Andrade*)
- 9.05-9.30 Highlights on the new classification tree, new patterns, and edited information AC-1 to AC-5
Luís Andrade (São Paulo, Brazil)
- 9.30-9.40 The “Bologna case”: a challenging unclassified HEp-2 IFA pattern
Lindsay Brooke Boling (Bologna, Italy), Maria Infantino (Firenze, Italy)
- 9.40-10.10 The Educational Module on AC-XX Unclassified Patterns
Werner Klotz (Innsbruck, Austria)
- 10.10-10.30 Anti-MDA5 antibodies produce a distinct cytoplasmic pattern: a candidate AC-32?
Lucile Musset (Paris, France)
- 10.30-11.00 COFFEE BREAK

11.00-12.30

8th ICAP WORKSHOP PART II

Co-Chairs: Maria Infantino (Firenze, Italy)
Carlos Alberto von Mühlen (San Diego, USA)

- 11.00-11.30 Challenges in quality control in HEp-2 IFA testing: heterogeneity in pattern reporting according to HEp-2 slide brands and lot-to-lot variation
Jan Damoiseaux (Maastricht, The Netherlands)
- 11.30-12.00 Challenges in quality control in HEp-2 IFA testing: titer, fluorescence intensity, and computer-assisted software
Carolien Bonroy (Ghent, Belgium)
- 12.00-12.30 Ten years of UK NEQAS external quality assessment on HEp-2 IFA: impact of ICAP and AI
Maria Infantino, Teresa Carbone, Dina Patel (Firenze, Italy)
- 12.30-13.30 LUNCH BREAK

13.30-15.00

8th ICAP WORKSHOP PART III

Co-Chairs: May Choi (Calgary, Canada)
Jan Damoiseaux (Maastricht, The Netherlands)

- 13.30-13.45 Has there been a change in HEp-2 IFA results (positive tests, patterns, titers) since COVID-19?
Alessandra Dellavance (São Paulo, Brazil)
- 13.45-14.00 Should the ANA entry criterion for SLE +ve ANA at >1:80 be restricted to certain AC patterns?
Marvin Fritzler (Alberta, Canada)
- 14.00-14.10 Less may be more: when to choose to report at the Competent-level.
Luis E. C. Andrade (São Paulo, Brazil)
- 14.10-14.20 The AC-XX SG2NA pattern
Marvin Fritzler (Calgary, Canada)
- 14.20-14.40 Artificial Intelligence and HEp-2 IFA patterns
May Choi (Calgary, Canada)
- 14.40-15.00 Frequently Asked Questions: interesting and challenging cases
Maria Infantino (Firenze, Italy) and Manfred Herold (Innsbruck, Austria)
- 15.00-15.30 COFFEE BREAK

15.30-16.30

8th ICAP WORKSHOP PART IV

Co-Chairs: Marvin Fritzler (Calgary, Canada)
Manfred Herold (Innsbruck, Austria)

- 15.30-16.00 EULAR recommendations for the use and interpretation of laboratory diagnostic tests for the management of systemic autoimmune rheumatic diseases
Johan Rönnelid (Uppsala, Sweden) and PierLuigi Meroni (Milan, Italy)
- 16.00-16.30 Final Discussion

TUESDAY
SEPTEMBER 09

08.00-22.00

Registration

10.00-10.30

Welcome and Introduction

Autoantibodies - Increasing importance in diagnostics and research
Karsten Conrad (Dresden, Germany)

10.30-12.00

Keynote and Memory Lectures

Co-Chairs: Karsten Conrad (Dresden, Germany)
Anne Puel (Paris, France)

10.30-10.55

Historical perspective of autoantibody detection: from discovery to interpretation
Jan Damoiseaux (Maastricht, The Netherlands)

10.55-11.15

Eng N. Tan (1926 - 2024) – A pioneer in autoantibody research
Marvin J. Fritzler (Calgary, Canada)

11.15-11.35

The ouroboros of autoimmunity
Anne Puel (Paris, France)

11.35-12.00

Why we develop autoimmune diseases
Yehuda Shoenfeld (Herzeliya, Israel)

12.00-13.30

LUNCH BREAK – POSTER AND EXHIBITION VIEWING

Posters A1 – Ax: Guided poster presentation of selected posters (Methodical Aspects and Strategies of the serological diagnosis of autoimmune diseases) chaired by Ulrich Sack (Leipzig, Germany)

13.30-15.30

THE COMPLEX AUTOIMMUNE RESPONSE IN RHEUMATOID ARTHRITIS

Co-Chairs: Günter Steiner (Vienna, Austria)
Johan Rönnelid (Uppsala, Sweden)

13.30-13.50

Autoantibodies in rheumatoid arthritis – rheumatoid factor, antimodified protein antibodies and beyond
Günter Steiner (Vienna, Austria)

13.50-14.10

It's time to revise RA classification by changing the RF and ACPA scores
Lieve van Hoovels (Leuven, Belgium)

14.10-14.30

Role of IgA ACPA in the pathogenesis of RA
Ulrike Steffen (Erlangen, Germany)

14.30-14.50

Shift in perspective: autoimmunity protecting against rheumatoid arthritis
Ricard Holmdahl (Solna, Sweden)

14.50-15.10	Anti-type II collagen antibodies associate with high levels of inflammation at RA diagnosis but with good clinical outcome <i>Johan Rönnelid (Uppsala, Sweden)</i>
15.10-15.30	Prediction and prevention of rheumatoid arthritis: Where are we in 2025 <i>Michael Mahler (San Diego, USA)</i>
15.30-16.00	COFFEE BREAK
16.00- 17.30	ADVANCING AUTOIMMUNITY PATIENT CARE THROUGH EARLY DIAGNOSIS, INNOVATIVE METHODOLOGY, AND NOVEL BIOMARKERS (sponsored by Werfen) Co-Chairs: Michael Mahler (San Diego, USA) TBD
16.00-16.20	Advancing early diagnosis and prediction in autoimmunity: innovative strategies and the role of biomarkers <i>Michael Mahler (San Diego, USA)</i>
16.20-16.40	Standardization of anti-cellular antibody detection: Where do we stand in 2025? <i>TBD</i>
16.40-17.00	Predicting progression of connective tissue disease <i>TBD</i>
17.00-17.15	Importance of biomarkers in the diagnosis and management of interstitial lung disease <i>TBD</i>
17.15-17.30	Recent advances in the serological domain of antiphospholipid syndrome diagnosis <i>TBD</i>
17.45-22.00	WELCOME RECEPTION with traditional and vegetarian Barbecue IN THE INDUSTRIAL EXHIBITION - POSTER AND EXHIBITION VIEWING

WEDNESDAY
SEPTEMBER 10

08.30-09.00

Keynote Lecture

The potential role of the likelihood ratio approach to support diagnosis and classification of Autoimmune Diseases
Xavier Bossuyt (Leuven, Belgium)

09.00-10.30

AUTOIMMUNE NEUROLOGICAL DISEASES

(sponsored by EUROIMMUN Medizinische Labordiagnostika AG)

Co-Chairs: Harald Prüß (Berlin, Germany)
Romana Höftberger (Vienna, Austria)

09.00-09.30

Laboratory diagnostic testing for myasthenia gravis in the era of cell-based assays
Adrian Buhdram (London, Canada)

09.30-10.00

Autoantibodies in neuropsychiatric diseases – from mechanisms to novel treatments
Harald Prüß (Berlin, Germany)

10.00-10.30

Neuropathological findings and implications for the diagnosis of paraneoplastic syndromes
Romana Höftberger (Vienna, Austria)

10.30-11.15

COFFEE BREAK - POSTER AND EXHIBITION VIEWING

11.15-13.00

LIKELIHOOD RATIOS IN CLINICAL PRACTICE: THE COMPLEXITY OF ANTI-PHOSPHOLIPIDE SYNDROME

Co-Chairs: Lieve van Hoovels (Aalst, Belgium)
Xavier Bossuyt (Leuven, Belgium)

11.15-11.35

The 2023 ACR/EULAR APS classification criteria: the starting point to move on
Maria Orietta Borghi (Milan, Italy)

11.35-11.55

The probable role of the likelihood ratio approach in diagnosing / classification of APS
Lieve van Hoovels (Aalst, Belgium)

11.55-12.15

Appropriateness and sustainability of aPL testing
Maria Infantino (Firenze, Italy)

12.15-13.00

4 short lectures

13.00-14.30

LUNCH BREAK – POSTER AND EXHIBITION VIEWING

Posters B1 – Bx Guided poster presentation of selected posters of the Candidates for the Dresden Prize chaired by Dirk Reinhold (Magdeburg, Germany)

13.10-14.25

EASI FORUM MEETING (EASI members only)

Location: Meeting room

14.30-16.00

AUTOANTIBODIES IN SARD-ASSOCIATED INTERSTITIAL LUNG DISEASES (ILD)

Co-Chairs: Jan Damoiseaux (Maastricht, The Netherlands)
Ingrid Lundberg (Stockholm, Sweden)

14.30-14.50

Autoantibodies in myositis associated ILD
Ingrid Lundberg (Stockholm, Sweden)

14.50-15.10

Phenotypic clusters of anti-MDA5 antibody-positive dermatomyositis:
Prediction of rapid progressive ILD
May Y. Choi (Calgary, Canada)

15.10-15.30

Immunoprecipitation–mass spectrometry: an emerging reference
method for autoantibody detection in myositis and systemic sclerosis
Xavier Bossuyt (Leuven, Belgium)

15.30-15.50

Epitope mapping of Anti Ro52 antibodies in antisynthetase syndrome
and inflammatory myositis
Dimitrios Bogdanos (Larissa, Greece)

15.50-16.00

1 short lecture

16.00-16.30

COFFEE BREAK

16.30-18.00

IgG4-MEDIATED AUTOIMMUNE DISEASES

Co-Chairs: Martin Blüthner (Karlsruhe, Germany)
Luis E.C. Andrade (São Paulo, Brazil)

16.30-16.50

Impact of IgG4 antibodies in autoimmune neurology
Romana Höftberger (Vienna, Austria)

16.50-17.10

The diagnostic and pathogenic role of IgG4 autoantibodies
Inga Koneczny (Vienna, Austria)

17.10-17.30

IgG4 anti-GBM antibodies - laboratory challenges and solutions
Renate van der Molen (Nijmegen, The Netherlands)

17.30-18.00

3 short lectures

THURSDAY
SEPTEMBER 11

08.30-10.00

**NOVEL AUTOANTIGENIC TARGETS AND EMERGING TECHNOLOGIES
FOR AUTOANTIBODY DETECTION**

(sponsored by Medipan GmbH)

Co-Chairs: Dirk Roggenbuck (Dahlewitz, Germany)
Dimitrios Bogdanos (Larissa, Greece)

- 08.30-08.50 The autoantigenic target glycoprotein 2 is a novel fecal marker for gut microbiota dysbiosis and systemic inflammation
Dirk Roggenbuck (Senftenberg, Germany)
- 08.50-09.10 Comparison of ICAP competence level AI-based ANA pattern interpretation with expert reading
Jonas Schmidt (Singen, Germany)
- 09.10-09.30 Use of AI-based algorithms for pattern interpretation of tissue-based indirect immunofluorescence tests
Rico Hiemann (Senftenberg, Germany)
- 09.30-09.50 Helicobacter pylori as a trigger of ANA?
Dimitrios Bogdanos (Larissa, Greece)
- 09.50-10.00 Discussion
- 10.00-11.00 COFFEE BREAK - POSTER AND EXHIBITION VIEWING

11.00-12.30

**IMMUNE-RELATED ADVERSE EVENTS (irAE) DUE TO IMMUNE
CHECKPOINT INHIBITORS (ICI)**

Co-Chairs: Carlos von Mühlen (San Diego, USA)
Ulrich Sack (Leipzig, Germany)

- 11.00-11.20 Immunogenicity of checkpoint inhibitors: an Italian multicenter study
Teresa Carbone (Potenza, Italy)
- 11.20-11.40 Dermatological Immune-Related Adverse Events (DirAE) due to Immune Checkpoint Inhibitors
Claudia Günther (Dresden, Germany)
- 11.40-12.00 Neurological Immune-related Adverse Events (NirAE) due to immune checkpoint inhibitors: a laboratory approach
Martina Fabris (Udine, Italy)
- 12.00-12.30 3 short lectures
- 12.30-14.00 LUNCH BREAK – POSTER AND EXHIBITION VIEWING
- Posters C1-C18:** Guided poster presentation of selected posters (Autoantibodies in systemic and organ specific autoimmune diseases) chaired by Thorsten Krieger

14.00-15.30

**EASI SYMPOSIUM: AUTOANTIBODIES AND
IMMUNOLOGICAL MARKERS IN THE FOLLOW-UP OF
AUTOIMMUNE DISEASES**

Co-Chairs: Jan Damoiseaux (Maastricht, The Netherlands)
Carolien Bonroy (Ghent, Belgium)

- 14.00-14.20 Autoantibodies and biomarkers in follow-up of autoimmune gastritis
Nicola Bizzaro (Udine, Italy)
- 14.20-14.40 Autoantibodies and biomarkers in follow-up of celiac disease
Hetty Bontkes (Amsterdam, The Netherlands)
- 14.40-15.00 Autoantibodies and biomarkers in follow-up of systemic lupus
erythematosus
Yves Renaudineau (Toulouse, France)
- 15.00-15.20 An international multicenter retrospective analysis of repeated
anti-ENA testing in ANA-associated rheumatic diseases
Carolien Bonroy (Ghent, Belgium)
- 15.20-15.30 Final discussion

15.30-16.00

COFFEE BREAK

16.00-18.00

NATURAL, PROTECTIVE AND PATHOGENIC AUTOANTIBODIES

Co-Chairs: Gabriela Riemekasten (Lübeck, Germany)
Inga Koneczny (Vienna, Austria)

- 16.00-16.20 Physiological and pathophysiological functions of
autoantibodies against G protein-coupled receptors
Gabriela Riemekasten (Lübeck, Germany)
- 16.20-16.40 Emerging immunoregulatory functions of DFS70/LEDGF: implications
for understanding the possible protective nature of DFS (AC-2)
autoantibodies
Carlos Casiano (Loma Linda, USA)
- 16.40-17.00 Pathogenic autoantibodies in neurologic diseases
Christian P. Moritz (Saint-Etienne, France)
- 17.00-17.20 Autoimmunity in eosinophilic airway diseases: a shift from paradigm
Manali Mukherjee (Hamilton, Canada)
- 17.20-18.00 2-3 short lectures

18.10-18.30

**Departure by shuttle buses from the congress venue to the
Social Dinner venue**

19.00-22.00

Social Dinner

FRIDAY,
SEPTEMBER 12

08.30-10.00

**THE CULTURE OF AUTOIMMUNE TESTING: OVERTESTING AND
UNDERTESTING IN TIMES OF RISING AUTOIMMUNITY AND
POLYAUTOIMMUNITY**

(sponsored by Thermo Fisher Scientific)

Co-Chairs: Nina Olschowka (Freiburg, Germany)
Marvin Fritzler (Calgary, Canada)

08.30-08.40

Welcome and introduction
Raul Castellanos (Madrid, Spain)

08.40-09.00

The global autoimmunity burden: Trends, biomarkers and the
early detection dilemma
Marvin J. Fritzler (Calgary, Canada)

09.00-09.40

Autoantibody testing debate: Do we need more or less testing?

- Uncovering the unseen to enhance early diagnosis
María Luisa Mearin (Leiden, The Netherlands)
- Undirected diagnostic expansion and its impact on patients and
society
Jan Damoiseaux (Maastricht, The Netherlands)

09.40-10.00

Panel Discussion and Q&A
Moderator: Raul Castellanos
Panel: Jan Damoiseaux, María Luisa Mearin and Marvin J Fritzler

10.00-10.30

COFFEE BREAK - POSTER AND EXHIBITION VIEWING

10.30-12.00

NOVEL THERAPIES FOR AUTOIMMUNE DISEASES

Co-Chairs: Martin Aringer (Dresden, Germany)
Dirk Reinhold (Magdeburg, Germany)

10.30-10.50

AlloNK cell infusions in refractory SARDs
Carlos A. von Mühlen (San Diego, USA)

10.50-11.10

CAR T-cell therapy in autoimmune diseases: current stage and
perspectives
Gerson Keppeke (Sao Paulo, Brazil)

11.10-11.30

Below CAR T cells – news on therapies targeting B and plasma cells
Martin Aringer (Dresden, Germany)

11.30-11.50

Biomarkers for treatment response in Rheumatoid Arthritis: Insights
from EU-Funded Projects
Daniela Sieghart (Vienna, Austria)

11.50-12.00

1 short lecture

12.30-13.30

LUNCH BREAK – POSTER AND EXHIBITION VIEWING

13.30-15.00

**ADVANCE IN AUTOANTIBODY DISCOVERY: NEW BIOMARKERS AND
DETECTION TECHNOLOGIES**

Co-Chairs: Christian P. Moritz (Saint-Etienne, France)
Manali Mukherjee (Hamilton, Canada)

13.30-13.50

Mapping the autoantibody response: towards a systemic
understanding via autoantigenomics
Christian P. Moritz (Saint-Etienne, France)

13.50-14.10

The wider spectrum of autoimmune analyses using orphan
autoantibodies
May Choi (Calgary, Canada)

14.10-14.30

Pathogenic autoantibodies in Podocytopathies
Pierre Ronco (Paris, France)

14.30-14.50

Italian guidelines for the immunological diagnosis of autoimmune
liver diseases: a step forward from EASL guidelines
Nicola Bizzaro (Udine, Italy)

14.50-15.00

Anti-integrin $\alpha\text{v}\beta 6$ IgG antibody as a diagnostic and prognostic
marker in ulcerative colitis
Eleftheria Pertsinidou (Uppsala, Sweden)

15.00-15.15

Dresden Prize Award Ceremony & Conclusion

15.15-16.00

FAREWELL COFFEE BREAK

TUESDAY
SEPTEMBER 9
(12.30) until
FRIDAY,
SEPTEMBER 12
(13.30)

POSTER EXHIBITION

A METHODICAL ASPECTS AND STRATEGIES OF THE SEROLOGICAL DIAGNOSIS OF AUTOIMMUNE DISEASES

A1 xx

B CANDIDATES FOR THE DRESDEN PRIZE

B1 xx

C AUTOANTIBODIES IN SYSTEMIC AND ORGAN SPECIFIC AUTOIMMUNE DISEASES

C1 xx