



RC2NB 4.0

TRANSFORMING RESEARCH IN MS AND NEUROIMMUNOLOGY

SYMPOSIUM

DECEMBER 15TH, 2023

BIOZENTRUM, MAURICE E. MÜLLER SAAL,
SPITALSTRASSE 41, 4056 BASEL

THE PROGRAM

This symposium promises to be an exceptional opportunity for knowledge exchange on hot topics in MS and Neuroimmunology

09:30 WELCOME COFFEE

10:00 WELCOME BY LUDWIG KAPPOS AND CRISTINA GRANZIERA

10:10 – 10:40 OPENING LECTURE: LEARNING FROM OTHER AREAS OF MEDICINE

Time	Title	Speaker
10:10 – 10:40	The patient's digital twin	Tobias Heimann, Head of Artificial Intelligence, Erlangen, Germany

10:40 – 12:00 SESSION 1: NEUROIMMUNOLOGICAL MECHANISMS IN MS

CHAIRS: RENAUD DU PASQUIER (LAUSANNE, CH) AND REINHARD HOHLFELD (MUNICH, DE)

Time	Title	Speaker
10:40 – 11:00	Innovative concepts in neuroimmunology	Amit Bar-Or, Philadelphia, PA, USA
11:00 – 11:15	The B-cell perspective of MS	Tobias Derfuss, Basel, CH
11:15 – 11:30	A role for IgA-producing cells in MS?	Anne-Katrin Pröbstel, Basel, CH
11:30 – 12:00	The success story of B-cell directed therapy and new therapeutic targets	Stephen Hauser, San Francisco, CA, USA

12:00 – 13:00 LUNCH BREAK & POSTER SESSION

13:00 – 14:30 SESSION 2: FLUID AND IMAGING BIOMARKERS IN MS

CHAIRS: TANUJA CHITNIS (BOSTON, US) AND FREDERIK PIEHL (STOCKHOLM, SE)

Time	Title	Speaker
13:00 – 13:30	What can be said at all can be clearly quantified, and whereof one cannot quantify thereof one must be silent...	Daniel S. Reich, Bethesda, MD, USA
13:30 – 13:50	Body fluid biomarkers in MS – finally on target?	Jens Kuhle, Basel, CH
13:50 – 14:00	The role of complement in MS	Johanna Oechtering, Basel, CH
14:00 – 14:20	Imaging axonal damage and repair in MS: the INsIDER experience	Cristina Granziera, Basel, CH
14:20 – 14:30	Mechanisms of clinical worsening independent of inflammatory activity in MS: an advanced MRI perspective	Alessandro Cagol, Basel, CH

14:30 – 15:00 COFFEE BREAK & POSTER SESSION

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15:00 – 16:30 SESSION 3: CLINICAL TRIALS, DISEASE MONITORING, COHORT STUDIES AND PRAGMATIC CLINICAL TRIALS IN MS

CHAIRS: MARIA PIA SORMANI (GENOVA, IT) AND URS FISCHER (BASEL, CH).

Time	Title	Speaker
15:00 – 15:30	Meta-epidemiology of clinical trials	John P.A. Ioannidis, Stanford, CA, USA
15:30 – 15:40	The Swiss Multiple Sclerosis Cohort: a 10-year investment in quality	Giulio Disanto, Lugano, CH Jens Kuhle, Basel, CH
15:40 – 15:50	Neurostatus eEDSS	Marcus D'Souza, Basel, CH
15:50 – 16:10	Digital Biomarkers for pwMS - the dreAMS project	Johannes Lorscheider, Tim Woelfle, Basel, CH
16:10 – 16:30	Pragmatic trials in MS: a novel journey	Lars Hemkens, Basel, CH

16:30 – 17:00 COFFEE BREAK & POSTER SESSION

17:00 – 18:00 SESSION 4: TOWARDS DIGITAL TWINS IN NEUROIMMUNOLOGY?

CHAIRS: TORSTEN SCHWEDE (BASEL, CH) AND JAN HILLERT (STOCKHOLM, SE).

Time	Title	Speaker
17:00 – 17:15	The Big MS data network	Jan Hillert, Stockholm, SE
17:15 – 17:30	Big (great) data in immunobiology: is more always better?	Manfred Claassen, Tübingen, DE
17:30 – 17:45	Federated Learning as an alternative to data transfer?	Björn Tackenberg, Basel, CH
17:45 – 18:00	Big (great) data from clinical trials: what can we learn	Amit Khanna, Basel, CH

18:00 CLOSING REMARKS – RC2NB 4.0: Τα πάντα ρει, μηδέποτε κατά τ'αυτό μένειν.

LUDWIG KAPPOS (BASEL, CH)

18:15 APERO RICHE

LIST OF SPEAKERS AND CHAIRS

RC2NB is delighted to present the distinguished speakers and chairs who will illuminate and enrich your experience at the RC2NB Symposium 2023!

SPEAKERS

Prof. Amit Bar-Or

Director, Center for Neuroinflammation and Neurotherapeutics
Chief, Multiple Sclerosis Division
Philadelphia, PA, USA

Dr. Alessandro Cagol

Assistant / Postdoc - Translational Imaging in Neurology (ThINK)
Allschwil, Switzerland

Prof. Manfred Claassen

Professor of Clinical Bioinformatics at the Medical
Faculty of the University of Tübingen
Tübingen, Deutschland

Dr. Giulio Disanto

Consultant Neurologist - University Hospital Lugano (EOC)
Lugano, Switzerland

Prof. Dr. Tobias Derfuss

Vice Chair Neurology
Research group leader - Departement Biomedizin
University Hospital Basel, Basel, Switzerland

PD Dr. Marcus D'Souza

Senior Physician Neurology - University Hospital Basel
CEO Neurostatus-UHB AG
Basel, Switzerland

Prof. Dr. Cristina Granziera

Leading Consultant Neurologist - Co-Head of RC2NB
Head Translational Imaging in Neurology (ThINK) Basel
University Hospital Basel, Switzerland

Prof. Stephen Hauser

Director
UCSF Weill Institute for Neurosciences
San Francisco, CA, USA

Dr. Tobias Heimann

Head of Artificial Intelligence Germany, Siemens Healthineers
Erlangen, Deutschland

PD Dr. Lars Hemkens

Senior Scientist at RC2NB and Department of Clinical Research
University Hospital Basel
Basel, Switzerland

Prof. Jan Hillert

Senior Physician and Professor
K8 Department of Clinical Neuroscience
Stockholm, SE

CHAIRS

Prof. Tanuja Chitnis

Professor of Neurology - Harvard University
Director of the Mass General Brigham Pediatric MS Center at the Mass
General Hospital

Prof. Renaud Du Pasquier

Head of Neurology, CHUV/UNIL Hospital
Lausanne, Switzerland

Prof. Urs Fischer

Professor of Neurology - University Hospital Basel
Chair Neurology
Basel, Switzerland

Prof. John P.A. Ioannidis

Physician-Scientist, Writer and Stanford University Professor
Med/Stanford Prevention Research Center
Stanford, CA, USA

Prof. Ludwig Kappos

Professor of Neurology - Head of RC2NB.
Basel, Switzerland

Dr. Amit Khanna

VP, Global Program Head Parkinson's & Neuroscience Digital programs
Novartis, Basel, Switzerland

Prof. Dr. Dr. Jens Kuhle

Leading Consultant Physician
Head Neuroimmunology Unit and Multiple Sclerosis Centre
University Hospital Basel, Basel, Switzerland

PD Dr. Johannes Lorscher

Consultant Neurologist at RC2NB Basel - University Hospital Basel,
Basel, Switzerland

Dr. Johanna Oechtering

Consultant Neurologist - University Hospital Basel
Basel, Switzerland

Prof. Dr. Anne-Katrin Pröbstel

Senior Physician, Eccellenza Professor
Research group leader - Departement Biomedizin
University Hospital Basel, Basel, Switzerland

Prof. Daniel S. Reich

Neurologist and Neuroradiologist
Director of the Translational Neuroradiology Section in NINDS
Bethesda, MD, USA

Prof. Björn Tackenberg

Head Integrative Neuroscience & Medical Practice at Hoffmann La Roche
Professor of Neurology, University of Marburg
Basel, Switzerland

Dr. Tim Woelfle

PhD Candidate and Neurologist in training
RC2NB - University Hospital Basel
Basel, Switzerland

Prof. Reinhart Hohlfeld

Professor of Neurology - Munich University Hospital (LMU)
Munich, Germany

Prof. Fredrik Piehl

Professor of Neurology - K8 Klinisk neurovetenskap
Stockholm, Sweden

Prof. Torsten Schwede

Bioinformatics Scientist and Professor at the Biozentrum of the University of Basel
Vice-Rector for Research
Basel, Switzerland

Prof. Maria Pia Sormani

Professor of Biostatistics at the University Genova
Genova, Italy

SPONSORS



LOCATION INSTRUCTIONS

Whether arriving by plane, train, car, or tram from your hotel, here are the detailed location instructions to access the Biozentrum:

From Basel Airport to Biozentrum Basel:

By Taxi:

- Taxis are available at the airport (or call +41 61 333 33 33).
- Provide the address: Maurice E. Müller Saal, Spitalstrasse 41, 4056 Basel.

By Public Transportation (20 minutes):

- Take the airport shuttle (#50) to the Kannenfeldplatz in Basel.
- Walk 11 minutes
- Head northeast toward Kannenfeldpl.
- Turn right onto Kannenfeldpl.
- Slight left to stay on Kannenfeldpl.
- Continue onto Metzerstrasse
- Continue onto Pestalozzistrasse
- Turn right onto Spitalstrasse
- The destination will be on the right

From SSB Train Station Basel to Biozentrum Basel:

By Taxi:

- Taxis are available at the airport (or call +41 61 333 33 33).
- Provide the address: Maurice E. Müller Saal, Spitalstrasse 41, 4056 Basel.

On Foot (30 minutes):

- Exit the train station and head southeast on Spiegelgasse toward Centralbahnstrasse.
- Turn right onto Centralbahnstrasse.
- Continue straight onto Spitalstrasse.
- Biozentrum Basel will be on your left at Spitalstrasse 41.

By Public Transportation (15 minutes):

- Take tram number 11 toward Basel, St-Louis Grenze.
- Get off at Johanniterbrücke.
- Biozentrum Basel is a short walk from the tram stop (about 3 minutes).

From Badischer train station to Biozentrum Basel:

By Taxi:

- Taxis are available at the airport (or call +41 61 333 33 33).
- Provide the address: Maurice E. Müller Saal, Spitalstrasse 41, 4056 Basel.

On Foot (33 minutes):

- Start at Basel Badischer Bahnhof, Schwarzwaldallee 200, 4058 Basel, Switzerland.
- Head southeast on Schwarzwaldallee toward Schwarzwaldstrasse.
- Turn left onto Schwarzwaldstrasse.
- Continue straight to stay on Schwarzwaldstrasse.
- Turn right onto Elsässerstrasse.
- Continue straight on Elsässerstrasse.
- Turn left onto Klingentalstrasse.
- Continue straight on Klingentalstrasse.
- Turn right onto Spalenvorstadt.
- Continue straight on Spalenvorstadt.
- Turn left onto Leonhardsgraben.
- Continue straight on Leonhardsgraben.
- Turn right onto Petersgraben.
- Continue straight on Petersgraben.
- Turn left onto Spitalstrasse.
- Arrive at Biozentrum, University of Basel, Spitalstrasse 41, 4056 Basel, Switzerland.

By Public Transportation (11 minutes):

- Take bus number 30 from Basel Bad Bf toward Kinderspital UKBB
- Get off at Kinderspital UKBB.
- Biozentrum Basel is a short walk from the tram stop (about 2 minutes).

From Hotel Teufelhof and SET Hotel to Biozentrum Basel:

- Open your phone Google or Apple map
- Add the address: Maurice E. Müller Saal, Spitalstrasse 41, 4056 Basel.