

Scientific Programme

- all presentations in the Gullvågsalen ballroom
- all meals served in the main hotel restaurant



TUESDAY, APRIL 2

- 17:00 – 19:00 **Arrival, Registration and Poster Setup**
- 20:00 – 22:00 **Welcome Dinner – Spring School of Immunology**

WEDNESDAY, APRIL 3: Spring School of Immunology

7:00 – 8:15 **Breakfast**

8:15 – 11:45 **Adaptive Immunity – Tutorial Session**
Chair: Inger Sandlie

8:15 – 9:15 **Jan Terje Andersen**, Oslo University Rikshospitalet, Norway
Design of antibodies for half-life extension

9:15 – 10:15 **Wolfgang Schamel**, University of Freiburg, Germany
Optogenetic control of TCR activation

10:15 – 10:45 **Coffee Break & Sponsor Exhibition**

10:45 – 11:45 **Devin Sok**, Scripps Research Institute, USA
Translating concepts to clinical trials: rational HIV vaccine design

11:45 – 15:00 **Lunch & Social Activities**

15:00 – 17:00 **Systems Biology – Tutorial Session**
Chair: Rasmus Iversen

15:00 – 16:00 **Tapio Lönnberg**, University of Turku, Finland
Resolving productive and pathogenic T cell responses with single-cell transcriptomics

16:00 – 17:00 **Fridtjof Lund-Johansen**, University of Oslo, Norway
A comprehensive atlas of autoantibody reactivity in autoimmune disease and cancer

17:00 – 17:30 **Coffee Break & Sponsor Exhibition**

17:30 – 19:30 **Innate Immunity – Tutorial Session**

Chair: Maria Therese Ahlen

17:30 – 18:30 **Guðmundur Hrafn Guðmundsson**, University of Iceland, Iceland

Induced expression of antimicrobial peptides to fight infections

18:30 – 19:30 **Trine Mogensen**, Aarhus University, Denmark

Immunogenetics of infectious diseases and primary immunodeficiencies

End of Spring School of Immunology programme

19:30 – 21:00 **Welcome Dinner – SSI 2019 45th Annual Meeting**

21:00 – 22:00 **Welcome Address and Keynote Lecture**

21:00 – 21:05 **Inger Sandlie**, University of Oslo, Norway

Presidential Welcome Address

21:05 – 22:00 **Matthew Krummel**, University of California, USA

Keynote Lecture: Imaging a world beyond checkpoints – classes of immune responses in vivo

THURSDAY, APRIL 4

7:00 – 8:00 **Breakfast**

8:00 – 9:30 **Antigen Recognition – Symposium Session**

Chair: Victor Greiff

8:00 – 8:30 **Andy Sewell**, Cardiff University, United Kingdom

Discovery of new broadly-expressed tumour antigens and new modes of T-cell recognition by dissection of successful Scandinavian cancer immunotherapy

8:30 – 9:00 **Gur Yaari**, Bar Ilan University, Israel

AIRR-seq data reveal mosaic deletion patterns of the human antibody heavy and light chain loci

9:00 – 9:30 **Devin Sok**, Scripps Research California, USA

Antibody discovery against variable pathogens

9:30 – 10:00 **Coffee Break / Poster Setup / Sponsor Exhibition**

- 10:00 – 11:30 **Oral Abstract Presentations – Session 1**
Chair: Alexandre Corthay
- 10:00 – 10:15 **Joanna Marczynska**, University of Southern Denmark, Denmark
Innate signaling in central nervous system recruits myeloid suppressor cells
- 10:15 – 10:30 **Maxi-Lu Böschén**, Oslo University Hospital Radiumhospitalet & University of Oslo, Norway
Identifying a T cell receptor for immunotherapy against a leukemia associated self-antigen in an allogenic setting
- 10:30 – 10:45 **Caroline Grönwall**, Karolinska University Hospital, Sweden
Tracking fundamental B-cell selection processes with BCR repertoire sequencing in rheumatoid arthritis
- 10:45 – 11:00 **Nelli Heikkilä**, University of Helsinki, Finland
Genetic input in the generation of human thymic T cell receptor repertoire
- 11:00 – 11:15 **Lene Høydahl**, Oslo University Hospital Rikshospitalet & University of Oslo, Norway
Identification of plasma cells as peptide-presenting cells by use of peptide-MHCII-specific antibodies
- 11:15 – 11:30 **Rasmus Iversen**, Oslo University Hospital Rikshospitalet & University of Oslo, Norway
The role of T-B collaboration in shaping autoantibody epitope bias and clinical onset of celiac disease
- 11:30 – 15:00 **Lunch, Social Activities & Sponsor Exhibition**
- 15:00 – 16:15 **Immune Deviation 1– Symposium Session**
Chair: Anne Spurkland
- 15:00 – 15:30 **Ludvig Sollid**, University of Oslo, Norway
Understanding how gluten drives autoimmunity in celiac disease
- 15:30 – 16:15 **Stephen Galli**, Stanford University, USA
Nordic Foundation of Immunology Lecture: Investigating the critical roles of mast cells and IgE in innate and adaptive defenses against venoms
- 16:15 – 16:30 **Coffee Break & Sponsor Exhibition**
- 16:30 – 18:00 **Oral Abstract Presentations – Session 2**
Chair: Jonas Sundback
- 16:30 – 16:45 **Eivind Heggernes Ask**, University of Oslo, Norway
Mass cytometry and serum protein profiling reveal disease-driven systemic immune signatures in patients with diffuse large B-cell lymphoma

- 16:45 – 17:00 **Raquel Bartolomé Casado**, Oslo University Hospital Rikshospitalet, Norway
Human small intestine contains a large population of resident memory CD8 T cells that persist for years
- 17:00 – 17:15 **Malin Bern**, Oslo University Hospital Rikshospitalet, Norway
A novel carrier for enhanced transmucosal delivery of biologics
- 17:15 – 17:30 **Markus Haug**, Norwegian University of Science and Technology & St Olavs Hospital, Norway
Sensing of HIV-1 by TLR8 in human CD4+ T cells
- 17:30 – 17:45 **Andri Lemarquis**, Landspítali-University Hospital & University of Iceland, Iceland
Selective IgA deficient individuals have a serological and transcriptomic germinal centre associated immune dysregulation linked to autoantibody production
- 17:45 – 18:00 **Valentyn Oksenyshch**, NTNU & St Olavs Hospital, Norway
Acetyltransferases Gen5 and PCAF regulate B cell development
- 18:00 – 18:15 **Coffee Break & Sponsor Exhibition**
- 18:15 – 19:15 **Immune Deviation 2– Symposium Session**
Chair: Eva Sverreremark Ekstrøm
- 18:15 – 18:45 **Lisa Westerberg**, Karolinska Institute, Sweden
Understanding actin regulators in immune cells
- 18:45 – 19:15 **Søren Egedal Degn**, Aarhus University, Denmark
Beyond antibodies – pleiotropic functions of B cells in autoimmune disease
- 19:15 – 20:30 **Dinner**
- 20:30 – 22:00 **Poster Session 1 (odd-numbered posters) & Sponsor Exhibition**

FRIDAY, APRIL 5

- 7:00 – 8:30 **Breakfast**
- 8:30 – 10:15 **Elimination – Symposium Session**
Chair: Trude Helene Flo
- 8:30 – 9:15 ***** EFIS- IL Lecture *****
Menna R. Clatworthy, University of Cambridge, United Kingdom
Anti-commensal IgG and FcRs play a pivotal role in intestinal inflammation
- 9:15 – 9:45 **Etienne Meunier**, University of Toulouse, France
Unchaining the non-canonical inflammasome

- 9:45 – 10:15 **Trude Helen Flo**, Norwegian University of Science and Technology, Norway
Single-cell dynamics of inflammasome activation and cell death in M. tuberculosis infected macrophages
- 10:15 – 10:45 **Coffee Break & Sponsor Exhibition**
- 10:45 – 12:15 **Immune Memory – Symposium Session**
Chair: Silke Appel
- 10:45 – 11:15 **Liv Eidsmo**, Karolinska Institute, Sweden
Resident T cells in human skin – protective, pathogenic or contextual?
- 11:15 – 11:45 **Frode Lars Jahnsen**, University of Oslo, Norway
Plasma cells live for decades in the human small intestine
- 11:45 – 12:15 **Vivianne Malmström**, Karolinska University Hospitalet Solna, Sweden
Immune memory in rheumatoid arthritis
- 12:15 – 15:30 **Lunch and Social Activities**
- 15:30 – 17:00 **Poster Session 2 (even-numbered posters) & Sponsor Exhibition**
- 17:00 – 18:00 **Relevance – Symposium Session**
Chair: Lise Kveberg
- 17:00 – 17:30 **David Cole**, Immunocore, United Kingdom
Antigen-targeted soluble bispecific T cell receptor (ImmTAC®) molecules in immunotherapy
- 17:30 – 18:00 **Gunnveig Grødeland**, University of Oslo, Norway
DNA vaccination with APC-targeted antigens for prevention of influenza pandemics
- 18:00 – 19:00 **General Assembly of the Scandinavian Society for Immunology**
- 19:00 – 19:30 **Poster finalist viewing, Sponsor Exhibition & Aperitif (Biblioteket)**
- 20:00 – 24:00 **Dinner, Poster Prizes, Immunology Quiz and Party**

SATURDAY, APRIL 6

- 7:30 – 8:30 **Breakfast**
Prepare take-away lunch
- 8:30 – 9:30 **Highlights – Spring School of Immunology**
Chair: Trevor Owens
- 8:30 – 9:00 **Wolfgang Schamel**, University of Freiburg, Germany
Optogenetic control of TCR activation

9:00 – 9:30

Jan Terje Andersen, Oslo University Rikshospitalet, Norway
Design of antibodies for half-life extension

9:30 – 10:00

SSI Speaker – Seppo K. Meri
Inflammation in atherosclerosis: innate immunity on track or off-piste?

10:00

End of Meeting