

# Program

## Tuesday February 13

08:30 Bus departure from Rikshospitalet

**Session 1:** Chair: Ludvig Sollid

09:50-10:00 Welcome

10:00-11:00 Key note lecture: *Allelic and structural diversity in the human Ig loci*  
Gunilla Karlsson Hedestam, Karolinska Institutet

11:00-11:15 Break

**Session 2:** Chair: Rasmus Iversen

11:15-11:35 *Longitudinal studies of intestinal plasma cell clonotypes in celiac disease.*  
Omri Snir, Oslo

11:35-11:55 *Autoantibody formation in celiac disease explored in an immunoglobulin knock in mouse.*  
Fleur du Pre, Oslo

11:55-12:15 *Functional study of genes and long non-coding RNAs associated with celiac disease with a cell-type specific CRISPR/Cas9 pooled screen.*  
Chan Li, Groningen

- 12:15 Lunch and leisure time
- 13:30-15:30 Skiing course for beginners
- Session 3:** Chair: Geir Kjetil Sandve
- 17:00-17:20 *Developing an integrated systems medicine and artificial intelligence platform for the in silico dissection, prediction and de novo engineering of adaptive immune repertoires.* Victor Greiff, Oslo
- 17:20-17:40 *BraCeR: A computational tool for reconstruction of B-cell receptor sequences and inference of clonality from single-cell RNA-seq data.* Ida Lindeman, Oslo
- 17:40-18:00 *Bioinformatical calculation of TCR sequence probabilities.* Ralf Neumann, Oslo
- 18:00-18:15 Break
- 18:15-19:15 **Poster session** with refreshments, Sørkleiva
- 19:30 Dinner

## Wednesday February 14

Check out before 10:00

**Session 4:** Chair: Knut E.A. Lundin

09:00-10:00 Keynote lecture: *Specific T and B cell immunity in rheumatoid arthritis.*  
Vivianne Malmström, Karolinska Institutet

10:00-10:20 *HLA-class II tetramers and mass cytometry define a CD4+ T-cell subset common to autoimmune diseases.*  
Asbjørn Christophersen, Oslo

10:20-10:35 Break

**Session 5:** Chair: Asbjørn Christophersen

10:35-10:55 *Transcriptome analysis and cytokine profiling of CD8+ intra-epithelial lymphocytes in response to celiac disease associated cytokines.* Iris Jonkers, Groningen

10:55-11:15 *The  $\gamma\delta$  and CD8  $\alpha\beta$  T-cell response in coeliac disease after gluten challenge.*  
Linn Margrethe Eggesbø, Oslo

11:15-11:35 *Deciphering T cell responses using Phagemer technology.*  
Geir Åge Løset, Nextera, Oslo

- 11:35-11:50 *Procedure for cooperation with the Gastrolab team.* Siv Furholm, Oslo.
- 11:50-13:00 Lunch
- 13:00-14:45 **Workshop:** *Career possibilities in academia - combining science and innovation.* Inger Sandlie, University of Oslo.
- 13:00-14:45 Parallel meeting for J CoDiRC group leaders and SAB/PAC
- 14:50-15:00 Closing remarks and farewell
- 15:05 Bus departure