



UiO : University of Oslo



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CELLEUROPE

Comparative Genomics and Animal Models for the Development of Graft-Versus Host Disease Workshop

Monday 30th June – Tuesday 1st July 2014

Rotunden,
Institute of Basic Medical Sciences, Domus Medica,
University of Oslo



Hospital Rikshospitalet, Oslo



The Ski Jump, Oslo



Oslo Opera House



Preliminary Programme

Monday 30th June 2014

09:30 – 10:00 Coffee

10:00 – 10:20 Welcome and Introduction to the Workshop
Professor Bent Rolstad, University of Oslo

10:20 – 10:40 **Visualisation of clinical and pathomorphological changes in mice developing GVHD**
Prof Evelyn Ullrich, Frankfurt University

10:40 – 11:00 **Our rat model for Graft versus Host Disease**
Margherita Boirei, CELLEUROPE PhD Early Stage Researcher, University of Oslo

11:00 – 13:00 **Demonstration of rat disease models and biological markers for Graft versus Host Disease**
Open to all participants attending the 1st July

This session will focus first on which parameters are of importance in monitoring GVHD. This will begin in the auditorium with imagery of animals with GVHD, histological changes in organs affected by GVH-reactions, GVH score sheets in the rat, monitoring of changes in leukocyte populations by flow cytometry and changes in cytokine profiles as measured in blood. It will be followed by a visit to our animal facility, where rats undergoing GVHD will be demonstrated and how the stage is scored. Fellows will also be shown a demonstration of blood sampling from rats.

13:00 – 14:20 Lunch- Café Eric

14:20 Tram to Holmenkollen ski jump arena

15:00 Visit to the Ski Museum, Holmenkollen and a visit to the top of the ski jump

18:00 Return to the hotel

19:00 Group Dinner- Bristol Hotel (*All Meeting Invitees*)

Tuesday 1st July 2014

09:30 – 10:00 Registration and Coffee

10:00 – 10:10 Introduction by Professor Bent Rolstad, University of Oslo Cellular therapy models for GVHD.
What makes NK cells so attractive as therapeutic targets?

Session 1: Comparative Genomics

10:10 – 10:35 **Invited speaker 1**

Professor Peter Parham, Stanford School of Medicine, California USA

Evolution of KIR genes and molecules and other receptor genes relevant for alloHSCT in primates

10:35 – 10:45 Discussion

10:45 – 11:15 **Invited speaker 2**

Professor Lutz Walter, German Primate Centre, Göttingen, Germany

Evolution of MHC genes and molecules in primates and rodents

11:15 – 11:25 Discussion

11:25 – 11:40 Coffee Break

11:40 – 12:15 **Invited speaker 3**

Professor Ralf Dressel, Georg-August University of Göttingen, Germany

Effects of the MICA-129 dimorphism on NKG2D signaling and association with the outcome of hematopoietic stem cell transplantation

12:15 – 12:50 **Invited speaker 4**

Professor Kalle Malmberg, Karolinska Institutet, Oslo University Hospital

NK cell repertoire diversity in the human and its implication for allogeneic stem cell transplantation

12:50 – 13:00 Discussion and brain storm

Introduction to next session: How can animal models aid in developing novel cellular therapies for alloHSCT?

13:00 – 14:30 Lunch- Café Eric

Session 2: Animal models

14:30 – 15:00 **Invited speaker 4**

Professor Evelyn Ullrich, Goethe University, Frankfurt

Cellular Immunoregulation of Graft versus Leukaemia and Graft versus Host Disease in a murine model of allogeneic SCT

15:00 – 15:30 **Invited Speaker 5**

Professor Erik Dissen, Department of Anatomy, University of Oslo

Natural killer cell receptors in mouse and rat

15:30 – 15:50 *Senior Scientist Marit Inngjeringen, Institute of Immunology, Oslo University Hospital*

Chemokines and chemokine receptors in the pathogenesis of Graft versus Host Disease

15:50 – 16:10 *Postdoc Lise Kveberg, Institute of Immunology, Oslo University Hospital*

NK cell subsets in the rat: Phenotypic and functional characteristics with implications for selection of NK cells as therapeutic tools for GVHD

16:10 – 16:45 General Discussion

What information can we extract from rodent models for gaining a deeper understanding of the pathogenesis and better treatment of GVHD in humans?

16:45 – 17:00 Summary and Closure of the meeting, Professor Bent Rolstad

19:00

Informal Group Dinner (Venue to be determined)

VENUE

Rotunden,
Institute of Basic Medical Sciences, Domus Medica,
University of Oslo, Sognsvannsveien 9 (Adjacent to the Rikshospitalet)

TRAVEL

AIR: Oslo Airport Gardermoen- Airport train to Oslo Central station is approximately 20 min
The other airports Rygge or Torp offer a connection to Oslo by rail or road of approximately 1.5 - 2 hours
RAIL: Oslo Central Rail Station

RECOMMENDED ACCOMMODATION

Rica Travel Hotel
Arbeidergata 4
Oslo, Norway
Tel: (+47) 22 00 33 00
E-mail: rica.travel.hotel.oslo@rica.no
Website: <https://www.rica.no/hoteller/oslo/rica-travel-hotel/>

Situated centrally in Oslo close to our Parliament building (Stortinget)
Prices: about 100E per night

LOCAL CONTACT

Professor Bent Rolstad
Department of Anatomy, Institute of Basic Medical Sciences,
Oslo University Hospital, PO Box 1105, Blindern 0317 Oslo
Tel: +47 22851212 (work) +47 90601371 (mobile)
Email: Bent.rolstad@medisin.uio.no

CELLEUROPE CONTACT

Katie Nurowski
Institute of Cellular Medicine, Haematological Sciences, The Medical School,
Newcastle University, Framlington Place, NE2 4HH
United Kingdom
Tel: 0044-1912085866
Email: celleurope@ncl.ac.uk

SOCIAL EVENTS

Monday 30th June PM - Guided visit to the Ski Museum, Holmenkollen and Group Dinner
Tuesday 1st July PM – Informal Group Dinner (Venue to be determined)