

Detailed program – Postdoc and student short presentations, prize for best student presentation

DAY 1. Tuesday October 7 1000-1700

- 10.00 **Welcome by the Organizers**
Joel Glover (Norwegian Center for Stem Cell Research, Oslo Univ. Hospital, Dept. of Physiology, Inst. of Basic Medical Sciences, Univ. of Oslo)

Session I: Pluripotency, reprogramming and epigenetics

- 10.15 *Development of a novel integration-free reprogramming platform*
Richard Siller, PhD student, Department of Biochemistry (Gareth Sullivan)
- 10.30 *Role of Neil3 during in vitro differentiation of iPS cells*
Georgina Askeland, Master student, Department of Medical Biochemistry, Oslo University Hospital and University of Oslo (Lars Eide)

10.45 – 11.30 Coffee break & Networking

- 11.30 *Epigenetics and dynamic pluripotency control in embryonic stem cells*
Adam Filipczyk, Independent Researcher, Department of Microbiology, University of Oslo (Arne Klungland)
- 11.45 *Role of 5-hydroxymethylcytosine in human hematopoiesis*
Xavier Tekpli, Postdoc, Norwegian Center for Molecular Medicine Norway and University of Oslo (Judith Staerk)
- 12.00 *Methylation-based sumoylation of the stem cell factor HMGA2*
Iwona Grad, Postdoc, Institute for Cancer Research, Oslo University Hospital (Ola Myklebost)
- 12.15 *Metabolic reprogramming of cancer cells by let-7 miRNA*
Anastassia Serguienko, PhD student, Institute for Cancer Research, Department of Tumor Biology (Ola Myklebost)

12.30 – 14.30 Lunch & Networking

KEYNOTE LECTURE I

- 14.30 *Cell Origami – Self-folding tissue scaffolds*
Iskander Vasiev, University of Glasgow

Session II: Translational and clinical studies

- 15.15 *Isolation and ex vivo culture of limbal epithelial stem cells for treatment of limbal epithelial stem cell deficiency*
Meeta Pathak, PhD student/ophthalmologist, Centre for Eye Research, Oslo University Hospital (Morten C. Moe)
- 15.30 *Tissue engineering of human corneal endothelial cell layer*
Jesintha Navaratnam, PhD student, Center for Eye Research, Oslo University Hospital (Morten C. Moe)
- 15.45 *The rationale for transplanting epidermal cells onto the cornea to treat blindness - Latest progress in storage of cultured epidermal cells*
Catherine Jackson, PhD student, Department of Medical Biochemistry, Oslo University Hospital (Tor Paaske Utheim)

16.00 – 17.00 Coffee break & Networking

- 17.00 *Adipose derived stem cells - GMP production and clinical use*
Professor Gunnar Kvalheim, Department of Cellular Therapy, Oslo University Hospital
- 17.15 *Adipose derived MSCs in diabetes*
Simen Walberg Schive, PhD student, Institute for Surgical Research, Oslo University Hospital (Gunnar Kvalheim)
- 17.30 *Tracking stem cells (AMSCs) in vivo in small animals by dual reporter genes*
Mengyu Wang, Senior Engineer, Department of Cell Therapy, Oslo University Hospital (Gunnar Kvalheim)
- 17.45 End of Day I

DAY 2. Wednesday October 8 0900-1800

KEYNOTE LECTURE II

- 09.00 *Chromatin goes 3D – Implications for gene regulation in stem cells*
Professor Philippe Collas, Vice-Director Norwegian Center for Stem Cell Research and Department of Biochemistry, University of Oslo

Session III: Epigenetic control

- 09.45 *A hyper-dynamic nature of poised promoter states underlies coordinated gene expression modules driving adipogenic differentiation*
Akshay Shah, PhD student, Department of Biochemistry, University of Oslo (Philippe Collas)
- 10.00 *O-GlcNAcylation of histone H2B in adipose tissue stem cells*
Torunn Rønningen, PhD student, Department of Biochemistry, University of Oslo (Jan Øivind Moskaug)
- 10.15 The oncoprotein DEK regulates the balance of histone variant H3.3 loading on chromatin in adult and embryonic stem cells
Erwan Delbarre, Postdoc, Department of Biochemistry, University of Oslo (Philippe Collas)

10.30 – 11.00 Coffee break & Networking

Session IV: Tissue engineering of bone and cartilage

- 11.00 *Bone tissue engineering - Back to basics*
Esben Østrup, Postdoc, Cell Therapy, Oslo University Hospital (Jan Brinchmann) & Department for Biomaterials, University of Oslo
- 11.30 *The role of microRNA-140 in chondrogenesis and osteoarthritis*
Tommy Karlsen, Postdoc, Norwegian Center for Stem Cell Research (Jan Brinchmann)

Session V: New regional stem cell initiatives

- 11.30 *Bergen Stem Cell Consortium – A regional effort for coordinated stem cell research*
Tor Hervig, Haukeland University Hospital, Bergen
- 12.00 *Oslo Regenerative Medicine Initiative - ORMI*
Professor Aksel Foss, Department of Transplantation, Oslo University Hospital

12.30 – 14.00 Lunch & Networking

Special Session: Dissemination through the media (In Norwegian)

- 14.00 *How can researchers work together with journalists to achieve a good and accurate presentation of medical research in the media?*
Introduction and discussion with journalist Shazia Sarwar (VG) and stem cell researcher Joel Glover
- 15:00 *Science Communication*
Mina Hauge Nærland (Aftenposten) presents highlights from the course on Science Communication organized by Aftenposten

Session VI: Neural stem cells and neurogenesis

- 16.00 *Expression and potential function of serotonin receptors in human blastocysts and ESCs*
Athina Samara, Postdoc, Department of Physiology, University of Oslo (Joel Glover)
- 16.15 *Transcriptional profiling of neural stem cells from the adult human brain*
Cecilie Sandberg, Postdoc, Vilhelm Magus Laboratory for Neurosurgical Research Institute for Surgical Research, Oslo University Hospital (Iver Langmoen)
- 16.30 *PML regulates neuroprotective inflammation and commitment of regenerative neuroblasts after brain injury*
Vuk Palibrk, PhD student, Department of Medical Biochemistry, Oslo University Hospital and University of Oslo (Magnar Bjørås)
- 16.45 *Characterization of cellular reactions during adaptive plasticity after spinal cord injury in the neonatal mouse*
Rishab Chawla, PhD student, Department of Physiology, University of Oslo (Joel Glover)
- 17.00 Best student presentation prize jury meeting

Networking

18.00 – 20.00 Gala Dinner

Best student presentation prize award