



4th Scandinavian Seminar on Translational Pathology

Solstrand, October 23-24, 2019 (Bergen - Norway)

Scientific Program

Day 1: **Wednesday – October 23, 2019**

09:00-10:00 Registration and Coffee
10:00-10:15 Welcome and Introduction: **Lars A. Akslen & Arne Östman**

Chair session 1: Elisabeth Wik

10:15-10:45 **Karin Jirström:** Therapeutic pathology: time to move on
10:45-10:57 **Astrid Børretzen:** Epithelial mesenchymal plasticity in aggressive prostate cancer
10:57-11:09 **Cecilie Askeland:** Stathmin expression associates with BRCA1 germline mutations, a basal-like phenotype and features of aggressive breast cancer
11:09-11:21 **Max Backman:** Concepts of immunity in cancer: oases in the desert
11:21-11:33 **Hilde Engerud:** PDL1 and PD1 expression in endometrial cancer
11:33-11:45 **Anna Sæle:** GATA3 expression in relation to immune response and aggressive breast cancer phenotypes
11:45-11:57 **Marc Rassy:** Can routine next generation sequencing help favour a specific tumor origin?
11:57-12:12 Company presentation by **Roche Diagnostics: Claire Faure:** Precision medicine for cancer patients: technologies to leverage the increasing expertise of pathologists

12:15-13:30 LUNCH

Chair session 2: Carina Strell

13:30-14:00 **Teijo Pellinen:** Multiplexed imaging of the tumour microenvironment
14:00-14:15 **Marius Lund-Iversen:** Correlation between serum levels and tissue expression of proGRP
14:15-14:30 **Olga Surova:** In situ sequencing for visualization of tumor heterogeneity
14:30-14:45 **Kenneth Finne:** Distinct hypoxia response in luminal-like and basal-like breast cancer
14:45-15:00 **Artur Mezheyeuski:** Immune landscape in colon and rectal cancers
15:00-15:15 Company presentation by **Nanostring: Lene Berlick:** GeoMx™ Digital Spatial Profiler
Morphological context and high-plex protein or RNA expression data – now possible from just one FFPE slide

15:15-15:45 COFFEE & CROSSTALK

Chair session 3: Reidunn Edelman

- 15:45-16:00 **Björn Gylling:** Cachexia, sarcopenia and infiltration of CD3+ and CD8+ T-lymphocytes in CRC
- 16:00-16:15 **Mercedes Herrera Torres:** Fibroblast heterogeneity in CRC
- 16:15-16:30 **Carina Strell:** Stromal PDGFRb as predictive marker for benefit from postoperative radiotherapy in ductal carcinoma in situ and early stage invasive breast cancer
- 16:30-16:45 **Johanna Arola:** Nation wide cohort of rare tumor collected from hospital biobanks
- 16:45-17:00 **Marit Valla:** Artificial intelligence in pathology
- 17:00-17:15 **Sverre Torp:** ErbB receptor expression in human meningiomas
- 17:15-17:30 **Elin Richardsen:** MicroRNAs in prostate cancer - a multicenter study
- 17:30-17:45 Company presentation by **Aiforia:** **Sami Blom:** Deep Learning image analysis for pathology without the need of coding or data science

18:15-19:15 POSTERS & PROSECCO

19:15 DINNER

Day 2: Thursday – October 24, 2019

Chair session 4: Kenneth Finne

- 09:00-09:30 **Fredrik Pontén:** The Human Protein Atlas - implications for human biology and precision medicine
- 09:30-09:45 **Cecilia Lindskog:** Integrated omics for single cell analysis
- 09:45-10:00 **Roberta Lugano:** CD93 - a key player in glioma vascular biology
- 10:00-10:15 **Xinsong Chen:** Patient-derived whole-tumor cell culture as a platform for breast cancer therapy response prediction
- 10:15-10:30 **Guttorm Haraldsen:** Single-cell RNA-Seq and therapeutic resistance in autoimmune disease

10:30-11:00 COFFEE & CROSSTALK

Chair session 5: Patrick Micke

- 11:00-11:30 **Elisabeth Wik:** Two stories: Nerves and vasculature in breast cancer, and breast cancer of the young
- 11:30-11:45 **Balazs Acs:** Artificial intelligence as the next step towards precision pathology
- 11:45-12:00 **Sebastian Lundgren:** Quantitative, qualitative and spatial analysis of the immune landscape in periampullary and pancreatic adenocarcinoma
- 12:00-12:05 **Monica Nistér:** The Swedish childhood tumor biobank – an update
- 12:05-12:20 **Maxime Garcia:** Sarek, a workflow to detect germline and somatic mutations in WGS/WES
- 12:20-12:35 Company presentation by **Fluidigm:** **Olga Karpus:** Imaging Mass Cytometry (IMC): highly multiplexed antibody-based technology with subcellular resolution
- 12:35-12:40 **Closing remarks**

12:40-13:30 LUNCH & GOODBYE (CHECK-OUT TIME IS 12:00)