



9th ScanPath Network Meeting
Scandinavian Symposium on Translational Pathology
Solstrand, October 29-30, 2025 (Bergen - Norway)
Preliminary Scientific Program – v2

Day 1: Wednesday – October 29, 2025

09:00-10:00 *Registration and Coffee*

10:00-10:15 Welcome and Introduction: **Lars A. Akslen, Carina Strell & Arne Östman**

Chair session 1: Patrick Micke

10:15-10:45 **Karin Jirström (Lund):** Reshaping pathology to monitor and combat hard-to-treat cancers

10:45-11:00 **Daniel Menges (Trondheim):** The potential of intelligent algorithms for cancer diagnosis and therapy

11:00-11:15 **Maren Høibø (Trondheim):** Digital pathology: segmentation, classification, and compression

11:15-11:30 **Li Yi (Stockholm):** Targeting astrocyte-driven glioblastoma growth

11:30-11:45 **Markus Heidrich (Lund):** Identifying outcome-determinative tumor microenvironment niches through multi-level spatial clustering in multiplex images

11:45-12:00 **Emmanuel Nwadozi (Uppsala):** Vascular leakage in non-small cell lung cancer

12:00-13:30 *Lunch and poster session*

Chair session 2: Marit Valla

13:30-14:00 **Trine Tramm (Aarhus):** Tumor infiltrating lymphocytes as a predictive marker for benefit of radiation therapy

14:00-14:15 **Oscar Briem (Lund):** Neutrophils as modulators of the specific immune response in breast cancer

14:15-14:30 **Jon Lømo (Oslo):** Low-grade inflammation in mammary adipose tissue

14:30-14:45 **Jens Henrik Norum (Oslo):** Spatial mapping of immune cells and energy metabolism in DCIS.

14:45-15:00 **Ute Spiske (Trondheim):** Breast cancer prognostication: Exploring the impact of data type

15:00-15:15 **Arian Askari (Turku):** Patient-derived conditionally reprogrammed cells as predictive models for bladder cancer therapy response

15:15-15:30 **Katiane Tostes (Uppsala):** Spatial immunophenotyping to predict immunotherapy benefit in lung cancer patients

15:30-16:00 *Coffee & Crosstalk*

Chair session 3: Carina Strell

16:00-16:30 **Per Uhlén (Stockholm):** Advancing histopathology through volumetric 3D imaging

16:30-16:45 **Mengping Long (Stockholm):** Studies of lung cancer and lung fibrosis using spatial transcriptomics

16:45-17:00 **Ghazal Toussi (Bergen):** Combining PLA and imaging mass cytometry for immune checkpoint signaling

17:00-17:15 **Etienne Platini (Trondheim):** Automatic lymphocyte counting for whole slide image rapid adequacy assessment during endobronchial ultrasound transbronchial needle aspiration (EBUS-TBNA)

17:15-17:30 **Artur Mezheyeuski (Barcelona):** TONES: From protocol to stain - standardized, automated, easy

18:30-19:30 *Posters & Prosecco*

19:30 *Dinner*

Day 2: Thursday – October 30, 2025

Chair session 4: Arne Östman

09:00-09:30 **Charlotte Stadler (Stockholm):** Spatial Proteomics: from translational to future clinical tissue diagnostics

09:30-09:45 **Austin Rayford (Bergen):** Targeting AXL in solid tumor microenvironments

09:45-10:00 **Daniela Costea (Bergen):** Spatial profiling of cancer-associated fibroblast heterogeneity in head and neck cancer

10:00-10:15 **Tessa Lohr (Bergen):** Dual interactions between breast cancer and peripheral neurons: Investigating the role of axon guidance factors

10:15-10:30 **Manuel Carrasco (Bergen):** Adrenergic signals in 3D breast cancer models

10:30-11:00 *Coffee & Crosstalk*

Chair session 5: Heidrun Vethe

11:00-11:30 **Leena Latonen (Kuopio):** Unravelling prostate cancer drug responses and treatment resistance through proteomics-driven multi-omics

11:30-11:45 **Martin Johansson (Gothenburg):** Lipid droplets as source of novel biomarkers for clear cell renal cell carcinoma

11:45-12:00 **Kirsi Ketola (Kuopio):** Mechanisms of treatment resistance and prediction of prostate cancer therapy response via patient-derived models and high-throughput imaging of live zebrafish avatars

12:00-12:15 **Xinsong Chen (Stockholm):** Joint analysis of breast cancer intratumoral heterogeneity using spatial transcriptomics and computational pathology

12:15-13:45 *Lunch and poster session (check-out at 12:00)*

Chair session 6: Karin Jirstrom

13:45-14:15 **Teijo Pellinen (Helsinki):** Spatial multiplex tissue profiling – from discovery to clinic

14:15-14:30 **Maximilian Senftleben (Uppsala):** Bioimage analysis support on multiplexed image data by SciLifeLab BIIF

14:30-14:45 **Mehrdad Rakaee (Oslo):** Pathology foundation models for molecular and IO prediction

14:45-15:00 **Lassi Paavolainen (Helsinki):** Self-supervised machine learning enables unbiased cancer patient characterization from multiplexed tissue microscopy images

15:00-15:15 **Elisabeth Wetzer (Tromsø):** Leveraging geometric deep learning and graph visualizations to unravel the tumor microenvironment

15:15-15:30 *Break*

Chair session 7: Elisabeth Wik

15:30-15:45 **Pekka Ruusuvoori (Turku):** Foundational AI models for histology - Towards generalizable computational pathology

15:45-16:00 **Yujie Xiang (Stockholm):** AI-based multi-modal prognostic modelling of histopathology images, mRNA expression, and clinical information in >3,000 patients

16:00-16:15 **Luka Tandaric (Bergen):** A multimodal translational approach to ovarian cancer immunotherapy.

16:15-16:30 **Elisabeth Wik (Bergen):** Breast cancer in the young: Age-related clinical and biological features

16:30-16:45 Closing remarks: **Teijo Pellinen**