



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

### Day 1: **Wednesday – October 29, 2025**

<b>09:00-10:00</b>	<i>Registration and Coffee</i>
10:00-10:15	Welcome and Introduction: <b>Lars A. Akslen, Carina Strell &amp; Arne Östman</b>
	<b>Chair session 1: Patrick Micke</b>
10:15-10:45	<b>Karin Jirstrom (Lund):</b> Reshaping pathology to monitor and combat hard-to-treat cancers
10:45-11:00	<b>Daniel Menges (Trondheim):</b> The potential of intelligent algorithms for cancer diagnosis and therapy
11:00-11:15	<b>Maren Høibø (Trondheim):</b> Digital pathology: segmentation, classification, and compression
11:15-11:30	<b>Li Yi (Stockholm):</b> Targeting astrocyte-driven glioblastoma growth
11:30-11:45	<b>Markus Heidrich (Lund):</b> Identifying outcome-determinative tumor microenvironment niches through multi-level spatial clustering in multiplex images
11:45-12:00	<b>Emmanuel Nwadozi (Uppsala):</b> Vascular leakage in non-small cell lung cancer predicts immune evasion and poor response to immunotherapy
<b>12:00-13:30</b>	<i>Lunch and poster session</i>
	<b>Chair session 2: Marit Valla</b>
13:30-14:00	<b>Trine Tramm (Aarhus):</b> Tumor-infiltrating lymphocytes as a predictive marker for benefit of radiation therapy
14:00-14:15	<b>Oscar Briem (Lund):</b> Neutrophils as modulators of the specific immune response in breast cancer
14:15-14:30	<b>Jon Lømo (Oslo):</b> Low-grade inflammation in mammary adipose tissue
14:30-14:45	<b>Jens Henrik Norum (Oslo):</b> Spatial mapping of immune cells and energy metabolism in DCIS
14:45-15:00	<b>Ute Spiske (Trondheim):</b> Breast cancer prognostication: Exploring the impact of data type
15:00-15:15	<b>Arian Askari (Turku):</b> Patient-derived conditionally reprogrammed cells as predictive models for bladder cancer therapy response
15:15-15:30	<b>Katiane Tostes (Uppsala):</b> Integrated immune profiling to predict the benefit of immunotherapy in lung cancer patients
<b>15:30-16:00</b>	<i>Coffee &amp; Crosstalk</i>
	<b>Chair session 3: Carina Strell</b>
16:00-16:30	<b>Per Uhlén (Stockholm):</b> Advancing histopathology through volumetric 3D imaging
16:30-16:45	<b>Mengping Long (Stockholm):</b> Pathological insights from Xenium 5K and Visium HD: A comparative study on identical tissue slides
16:45-17:00	<b>Ghazal Toussi (Bergen):</b> Combining PLA and imaging mass cytometry for immune checkpoint signaling
17:00-17:15	<b>Etienne Platini (Trondheim):</b> AI-based lymphocyte counting for rapid adequacy assessment during endobronchial ultrasound transbronchial needle aspiration
17:15-17:30	<b>Artur Mezheyeuski (Barcelona):</b> TONES: From protocol to stain - standardized, automated, easy
<b>18:30-19:30</b>	<i>Posters &amp; Prosecco</i>
<b>19:30</b>	<i>Dinner</i>

## 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

### 12:15-13:30 *Lunch and poster session (check-out at 12:00)*

### Chair session 6: Karin Jirström

- 13:30-13:45 **Teijo Pellinen (Helsinki)**: Spatial multiplex tissue profiling – from discovery to clinic
- 13:45-14:00 **Maximilian Senftleben (Uppsala)**: Bioimage analysis support on multiplexed image data by SciLifeLab BIIF
- 14:00-14:15 **Reija Laitinen (Bruker Spatial Biology)**: Company presentation.
- 14:15-14:30 **Mehrdad Rakaee (Oslo)**: Pathology foundation models for molecular and IO prediction
- 14:30-14:45 **Lassi Paavolainen (Helsinki)**: Self-supervised machine learning enables unbiased cancer patient characterization from multiplexed tissue microscopy images
- 14:45-15:00 **Elisabeth Wetzer (Tromsø)**: Leveraging geometric deep learning and graph visualizations to unravel the tumor microenvironment

### 15:00-15:30 *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 **Christian Garm (Miltenyi Biotec)**: Company presentation
- 16:15-16:30 **Luka Tandaric (Bergen)**: A multimodal translational approach to ovarian cancer immunotherapy.
- 16:30-16:45 **Elisabeth Wik (Bergen)**: Breast cancer in the young: Age-related clinical and biological features
- 16:45-17:00 Closing remarks: **Teijo Pellinen**