

9th ScanPath Network Meeting

Scandinavian Symposium on Translational Pathology

Solstrand, October 29-30, 2025 (Bergen - Norway)

Final Scientific Program

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

09:00-10:00	<i>Registration and Coffee</i>
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 predicts immune evasion and poor response to immunotherapy
12:00-13:30	<i>Lunch and poster session</i>
	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): Integrated immune profiling to predict the benefit of immunotherapy in lung cancer patients
15:30-16:00	<i>Coffee & Crosstalk</i>
	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): Pathological insights from Xenium 5K and Visium HD: A comparative study on identical tissue slides
16:45-17:00	Ghazal Toussi (Bergen): Combining PLA and imaging mass cytometry for immune checkpoint signaling
17:00-17:15	Etienne Platini (Trondheim): AI-based lymphocyte counting for rapid adequacy assessment during endobronchial ultrasound transbronchial needle aspiration
17:15-17:30	Artur Mezheyeuski (Barcelona): TONES: From protocol to stain - standardized, automated, easy
18:30-19:30	<i>Posters & Prosecco</i>
19:30	<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 **Christian Garm (Miltenyi Biotec)**: Integrating 3D imaging and spatial proteomics for translational pathology
- 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 Ruusuvuori (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 Tandarić (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**