

Spotlight Scientific Talk Tuesday 15th Oct 2024, 9:30 AM JST&KST

Spatial Proteomics Uncovers Early Invasion Mechanisms in Breast Cancer

Join us to hear from **Dr. Marina Kochetkova** how spatial proteomics is revolutionizing breast cancer diagnosis and treatment.

In collaboration with Akoya Biosciences and SA Pathology, Dr. Kochetkova and her team have employed a cutting-edge, multiplexed, stroma-centric spatial proteomics approach using the PhenoCycler-Fusion platform. Her findings reveal that the composition of specific marker-defined stromal cells and their spatial distribution can distinctly differentiate between histologically similar non-invasive and invasive breast cancers at the time of diagnosis.

Key topics include:

- ✓ The current challenges in distinction of ductal carcinoma in situ (DCIS) from invasive ductal carcinoma (IDC) at breast cancer diagnosis
- ✓ Novel approaches to define biomarkers and pathobiological processes in invasive breast cancer
- ✓ Multiplexed spatial proteomics in stroma-centric marker identification for new diagnostic approach



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