

Breakthrough in Unbiased Spatial Proteomics (Syncell: Microscoop)

Date&Time :

September 17, 2025 (Wed), 13:30 – 15:00

Event Format: Hybrid (On-site + Zoom) (Pre-registration required)

Seminar Venue: CiDER Bldg, 1st Floor, Room106

Registration URL: <https://forms.cloud.microsoft/r/rX9m8UUf4B>



You can also
register here

■ **13:30~13:45** (Language : Japanese)

Introduction : Satoshi Sagara (Scrum Inc.)

■ **13:45~15:00** (Language : English)

Optoproteomics: Unbiased Spatial Proteomics at Disease-Associated Sites:
Dr. Nikhil Rao (Syncell Inc.)

【Overview】

Microscoop is a groundbreaking spatial proteomics platform designed to identify novel protein components within specific subcellular regions, addressing a wide range of biological questions.

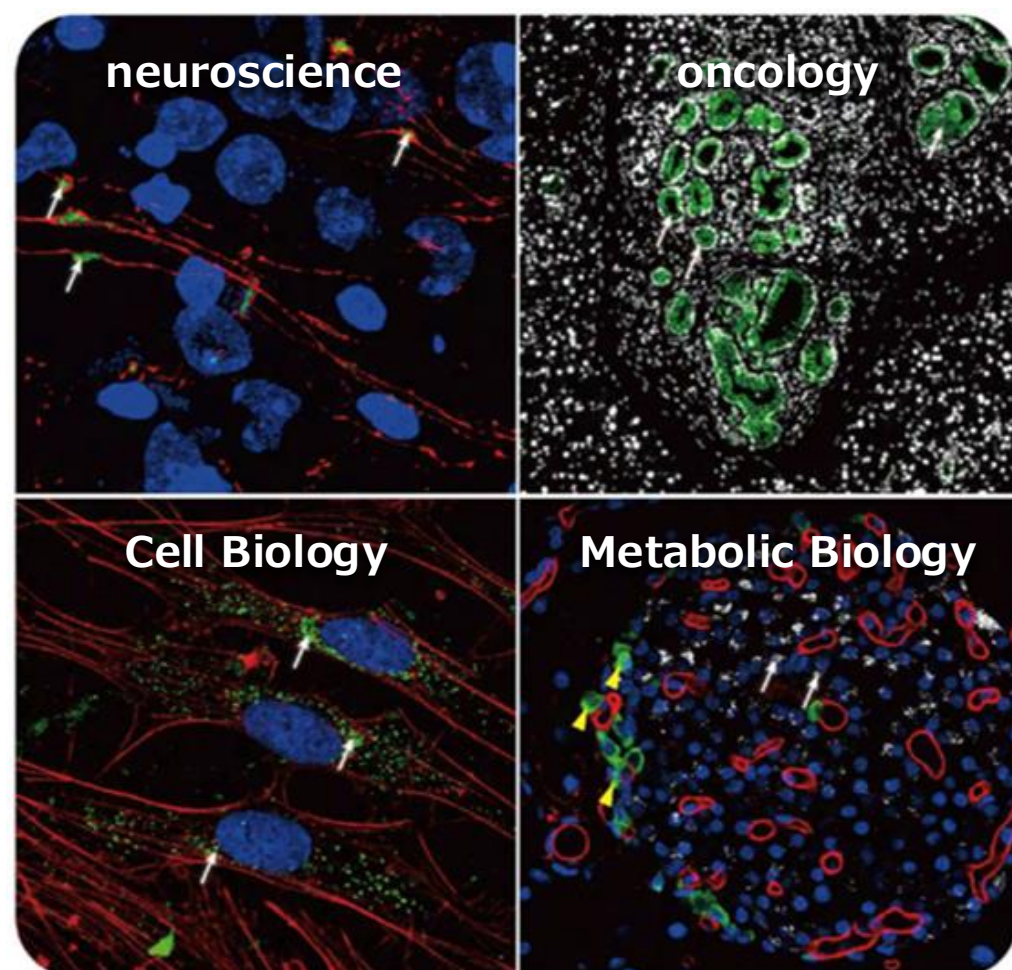
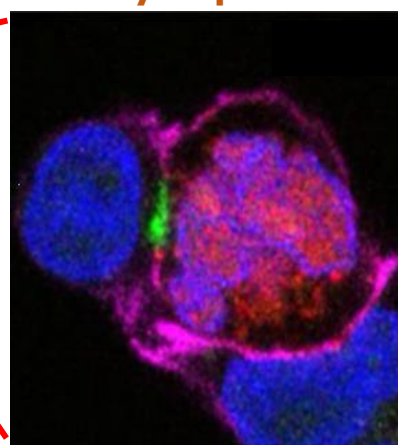
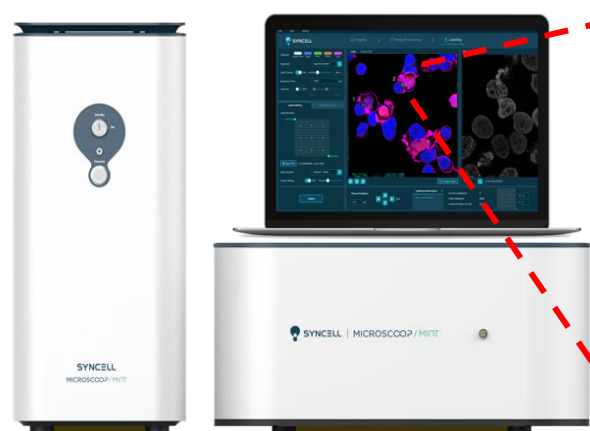
By utilizing photoactivatable biotin probes, Microscoop enables submicron-level proteome analysis, surpassing the traditional limitation of single-cell resolution.

This technology enables comprehensive proteomic analysis of subcellular structures, cell membranes, micro-compartments and organelles, as well as interfaces and aggregates within cells. Furthermore, we present our future roadmap, including new reagents that will enable even higher-resolution analysis.

Microscoop offers a powerful tool that can be used across fields ranging from basic research to clinical/drug discovery applications.

【Examples of Applications】

T-B Cell immune
synapse



Contact Information :

CiDER, Osaka University, Core Research Facility, Hideyuki Hara

E-mail : info.coref@cider.osaka-u.ac.jp Tel : 06-6879-8877

Language of Event: English