

## Research Topics:

- Metabolic Syndrome/Type 1 DM/Type 2 DM.
- Rare Diseases.
- Neuropathological and Endocrinology Mechanisms
- 3D Tissue Organization of Whole Transcriptome.

## Techniques:

Spatial Transcriptomics/Proteomics (CosMx/GeoMx)

RNAscope/In Situ Hybridization/IHC/IF

Proximity Ligation Assays

SuperRes/Confocal/Widefield/Brightfield/Electron Microscopy

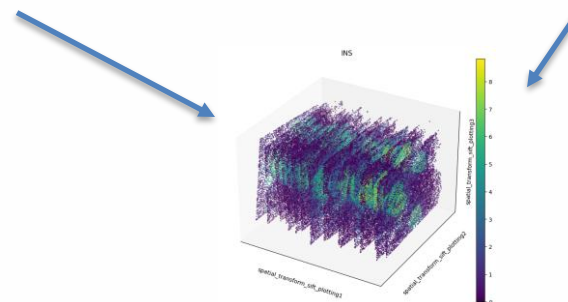
Pathological Examination

Molecular Biology (Cloning/PCR/Western/Y2H, etc.)

Computational Image and Sequence Analysis (R/Python)

Human Disease States

Animal Models



2D and 3D Transcriptomic/Proteomic Tissue Maps

Pathophysiology

Novel Therapeutic Targets

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## Keywords:

- Rare Diseases.
- Neuroscience.
- Spatial-Omics
- Diabetes
- Prader-Willi Syndrome
- Metabolic Disease
- Pathology
- Microscopy.