UC Irvine 趙 Chao Family Comprehensive Cancer Center




# Genomics Research & Technology Hub

**Rui Chen, PhD**

**2026 Scientific Retreat**

November 5, 2026

# Mission & Leadership

## MISSION

To make cutting-edge omics technologies accessible to CFCCC members and enable innovative, high-impact research

To fulfill this mission, **GRT Hub**:

- Supports adoption of current and developing – omics technologies to combat cancer
- Trains and supports cancer center researchers in the strategic application of -omics technologies
- Provides customized services for cancer members based on individual group needs
- Serves as a platform for community collaboration

## LEADERSHIP



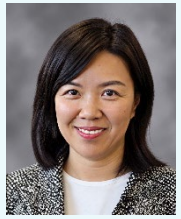
**Rui Chen, PhD**
Director



**Rémi Buisson, PhD**
Assistant Director



**Melanie Oakes, PhD**
Director
Operations



**Jenny Wu, PhD**
Director
Bioinformatics



**Ivan Chang, PhD**
Bioinformatics
Engineer

# Major Capabilities

## Genomics




Illumina NovaseqX



PacBio Revio LR



Illumina MiSeq100




Illumina iScan

## Single Cell Omics



10x Chromium X




10x CytAssist VisiumHD



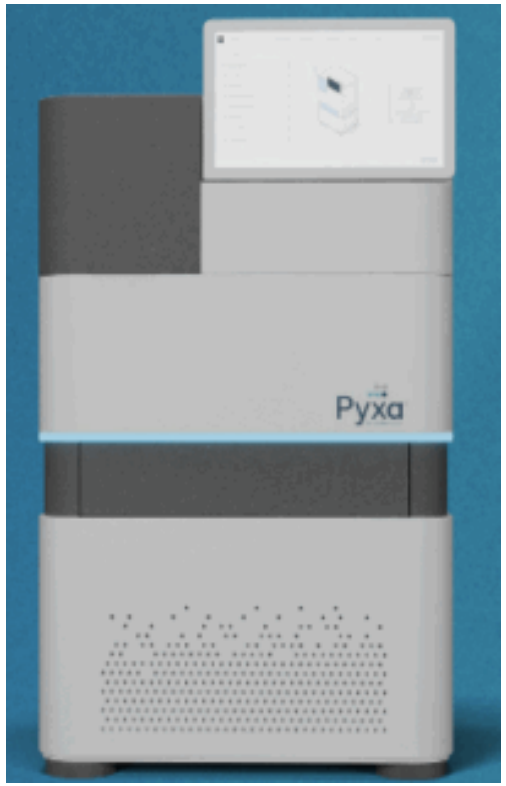
10x Xenium




Vizgen Merscope Ultra

# New & Future Capabilities

## Single Cell Spatial Omics




Stellaromics Pyxa

**3D spatial omics**

**Early access available now**

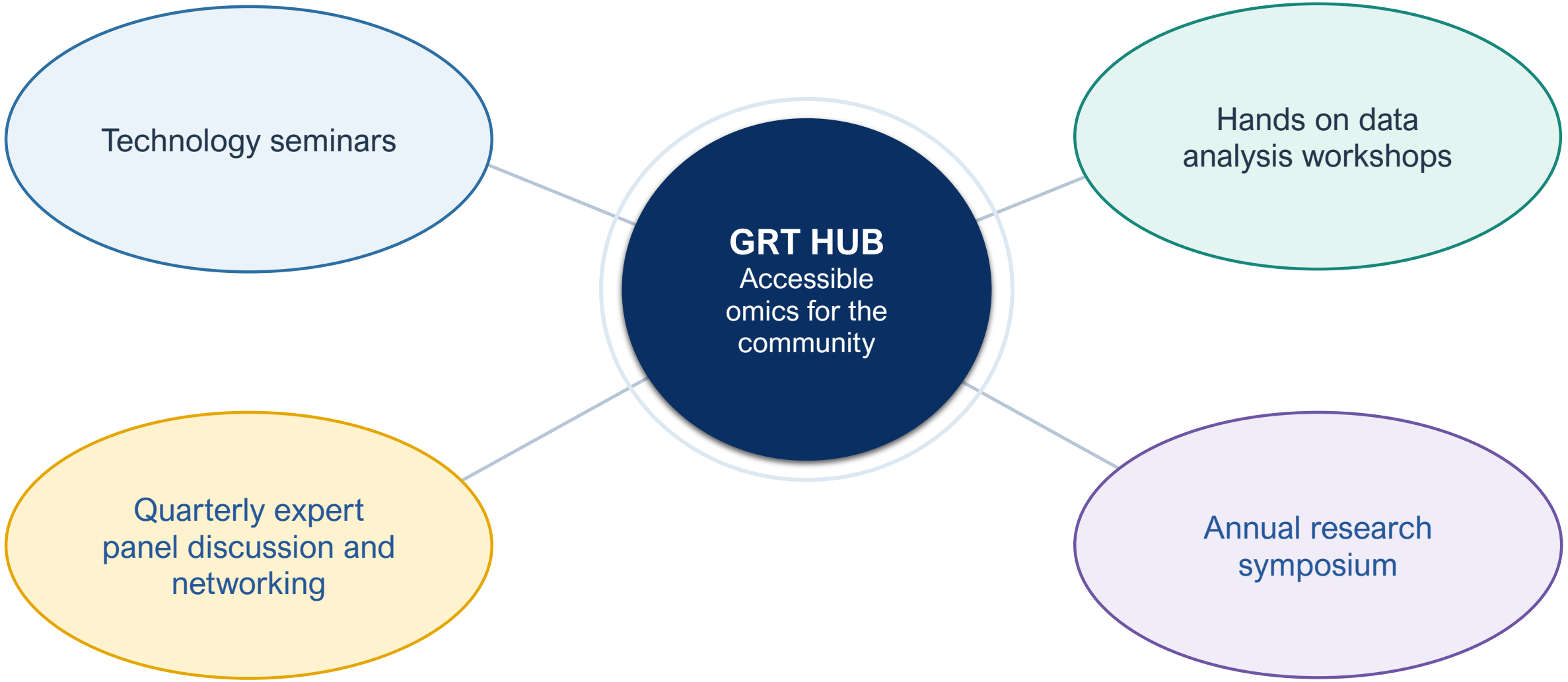


10x Atera

**Whole transcriptomics**

**NIH S10 grant submitted**

# Education & Training Activities



# Expert Panel & Network

## Upcoming November 10th 2-4 pm (Tuesday, Next Week)






**Xiangmin Xu, PhD**
Chancellor's Professor, Director
Anatomy & Neurobiology
School of Medicine



**Rui Chen, PhD**
Professor
Ophthalmology
School of Medicine



**Gautham Prabhakar, PhD Student**
Mathematical, Computational and
Systems Biology
Center for Complex Biological Systems

***Sequencing-Based Spatial Transcriptomics: Current State of the Art, Applications, and Data Analysis***

Hear quick, high-impact presentations (three 15-minute talks), join lively discussions, and network with peers to spark fresh ideas and collaborations driving the next wave of discovery in single-cell biology

**Tuesday, November 10, 2026 | In-Person**

**Panel Discussion 2:00–3:15 PM | Networking Reception 3:15 - 4:00 PM**

UCI Sue and Bill Gross Stem Cell Research Center

Thorp Conference Center

**REGISTER**

UC Irvine 趙 Chao Family
Comprehensive Cancer Center

Genomics Research & Technology Hub

# Questions? Contact us!

genomics.uci.edu
mloakes@uci.edu