



EMORY
UNIVERSITY

Emory Integrated
Genomics Core

Emory Integrated Core Facilities

Join the Emory Integrated Genomics Core and 10x Genomics for a Virtual Scientific Seminar

Wednesday August 5, 2020 10:00 a.m.

Join Zoom Meeting: <https://zoom.us/j/93356437441?pwd=UEF4eEJmbFB5WHZaR2dKMTBLSmQxZz09>

Meeting ID: 933 5643 7441

Password: 876131

Call in:

+14703812552,93356437441# US (Atlanta)

+14702509358,93356437441# US (Atlanta)

Nirav Patel, MS, Science and Technology Advisor, 10x Genomics
“Resolving Cancer Biology with Multiomics Single Cell and Spatial Profiling”

Manoj K. Bhasin, PhD, Associate Professor of Pediatrics and Biomedical Informatics, Emory School of Medicine

Associate Member of Benson Henry Institute for Mind Body Medicine

Director, Bioinformatics and Systems Biology Shared Resource, Winship Cancer Institute

Director, Genomics, Proteomics, Bioinformatics and Systems Biology at Children Healthcare of Atlanta

Director, Single Cell Biology Program at Aflac Cancer and Blood Disorders Center

“Single-Cell Multiomics: Unraveling Disease Complexity and Therapeutic Responses, One Cell at a Time”

Single cell profiling technologies are rapidly transforming the landscape of translational research by dissecting the heterogeneity of diseases. Recent advances in single cell multi-dimensional profiling have made it possible to profile thousands of individual tumor and microenvironment cells for identifying key features associated with progression or response to therapy. We have optimized workflows for successful implementation of multi-dimensional single cell profiling approaches and developed comprehensive bioinformatics approaches for data-analysis for generating interesting insights into cancer pathophysiology, recurrence and therapeutic mechanisms. The talks will provide overview of single cell experimental design, sample preparation, single cell multi-dimensional profiling, and bioinformatics approaches.

Questions please contact:

Lyra Griffiths, lyra.maria.griffiths@emory.edu

Fred Souret, fred.souret@10xgenomics.com