



10x  
GENOMICS



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Genomics Core

Emory Integrated Core Facilities

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

Wednesday March 18, 2020 10:00 a.m.

Winship Cancer Institute

Emory University

Kauffman Auditorium, Winship C5012

**Nirav Patel, MS**, Science and Technology Advisor, 10x Genomics

*“Introduction to Single Cell, Multi-Omics and Spatial Transcriptomics Analysis to Resolve Complex Biology”*

**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, 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 talk will provide overview of single cell experimental design, sample preparation, single cell multi-dimensional profiling, and bioinformatics approaches.

**Questions please contact:**

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\*Refreshments will be provided.