

# Access the full richness of biological complexity with single cell and spatial multiomics

10:35 AM – 11:00 AM | Nirav Patel, MS, Sr. Science and Technology Advisor, 10x Genomics

Resolve highly complex biological systems, while bringing into focus the details that matter most. With sensitive and robust molecular assays from 10x Genomics, including the Chromium Single Cell and Visium Spatial solutions, you can perform molecular profiling with multiomics capabilities in tens of thousands of single cells and build a comprehensive understanding of the relationships between cellular function, phenotype, and location in intact tissue sections.

## scATAC-seq reveals cellular dynamics and programming of immune responses

**11:00 AM – 11:15 AM ET** Chris Scharer, PhD, Assistant Professor, Dept. of Microbiology and Immunology, Emory University, Scientific Director, Epigenetics for the EIGC (Emory Integrated Genomics Core)

This talk will cover analysis strategies and the questions that reveal the power of scATAC-seq to understand immune responses and differentiation programs.

## Profiling the spatial transcriptome of a tuberculosis cavity

**11:15 AM – 11:30 AM ET** Ashish Sharma, PhD, Instructor, PATRU (Pathology Advanced Translational Research Unit)

This talk will focus on mapping immune signatures in a TB lesion (extracted from human lung tissue) using the 10x Genomics' Visium platform.

**11:30 AM – 12:00 PM ET** Open discussion to follow

## Zoom

**Topic:** 10x Genomics Seminar

**Time:** Oct 26, 2021 | 10:30 AM Eastern Time (US and Canada)

### Join Zoom Meeting

<https://zoom.us/j/94840702992?pwd=allyK3QyS1k4WUg3REkwOXBWa0QvUT09>

**Meeting ID:** 948 4070 2992

**Passcode:** 915510

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