



Workshop on Single Cell Genomics (ACTREC/10x genomics/Premas Life Sciences)

2 Day Workshop | 24th & 25th August 2022

Theme

The vast complexities of biology require approaches to build a complete picture, starting from single cells to tissues and beyond. At 10x Genomics, we provide single cell and spatial solutions that enable researchers to drive the leading edge of what is possible. Resolve highly complex biological systems, while bringing into focus the details that matter most.

Join us for this workshop to learn how Chromium Single Cell and Visium Spatial solutions from 10x Genomics can help you to push the boundaries of your research. Uncover molecular insights, dissect cell-type differences, investigate the adaptive immune system, detect novel subtypes and biomarkers, and map the epigenetic landscape cell by cell. Enabling deeper insight into cancer, immunology, neuroscience, and developmental biology, 10x Genomics gives researchers the ability to see biology at true resolution.

DAY1 (August 24th, 2022)

Time & Venue	Topic	Speaker
9.00 am to 9.45 am (KS - Staff Canteen)	Breakfast	
10 am to 11.15 am (KS - Conference Room)	Biology at true resolution: Resolve biological complexities with single-cell and spatial transcriptomics.	Dr. Sachin Minhas, Product Manager at Premas.
11.15 am to 11.30 am (KS – Staff Canteen)	Tea Break	
11.30 am to 1.30 pm (KS - Conference Room)	Sample collection and Storage for Single Cell Genomics Experiments – Tips & Tricks	Mr. Shivaji Mante, Assistant Manager FAS at Premas.
1.30 pm to 2.30 pm (KS – Staff Canteen)	Lunch Break	
2:30 pm to 5:00 pm (KS - 220)	Experimental Workflow – Single cell 3'GEX library preparation – Practical Session	Mr. Shivaji Mante

DAY2 (August 25th, 2022)

Time & Venue	Topic	Speaker
9.00 am to 9.45 am (KS - Staff Canteen)	Breakfast	
10 am to 1:30 pm (KS - 220)	3'GEX library preparation – Practical Session QC on Qsep	Mr. Shivaji Mante
1.30 pm to 2.30 pm (KS – Staff Canteen)	Lunch Break	
2.30 pm to 5.00 pm (KS - Seminar Room)	Data Analysis – Cell Ranger & Loupe browser demonstration	Mr. Rajavarman Kittu, Senior Bioinformatician at Premas.
5.00 pm to 5.30 pm (KS – Staff Canteen)	Tea & Snacks	