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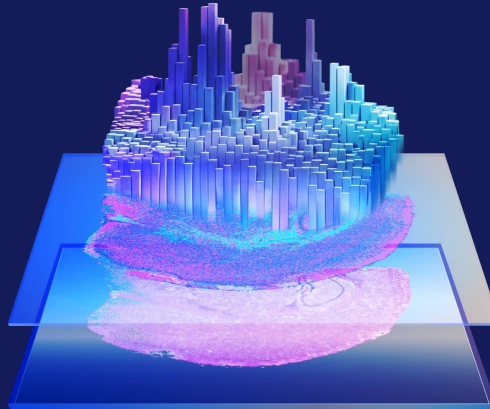
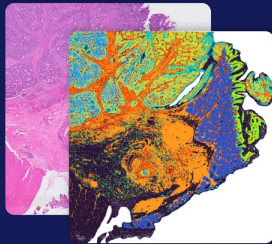
Medical  
Research  
Council



UNIVERSITY OF  
OXFORD

## 10x Genomics Visium HD Training Three-Day Hands-On Course on Spatial Transcriptomics

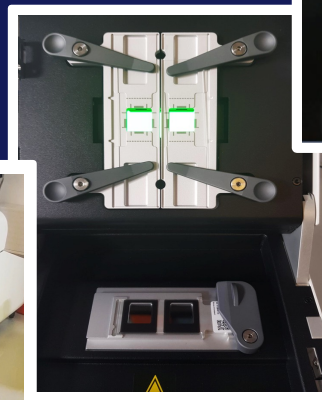
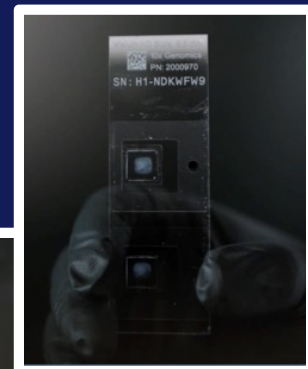
**MRC WIMM Advanced Single Cell Omics Facility (WASCOF),  
Oxford University**



**Whole transcriptome discovery in the tissue context!**

### Learning Objectives

- FFPE/FF/FxFr Samples Requirement
- Tissue Sectioning and H&E (IF)
- Mastering the Visium CytAssist
- Visium Library Construction
- Quality Control
- Sequencing guidelines
- Loupe Browser



**Dates: Tuesday 16<sup>th</sup> – Thursday 18<sup>th</sup> September 2025**

**Venue: MRC Weatherall Institute of Molecular Medicine, John Radcliffe Hospital, Headington, Oxford OX3 9DS**

**Register your Interest:**

**<https://forms.gle/MkZ2VTvHVg8nDBch8>**

**or email [Maria.Greco@imm.ox.ac.uk](mailto:Maria.Greco@imm.ox.ac.uk)**

# Course Program

## Tuesday 16<sup>th</sup> September

Presenters: Dr Claudia Tamburini (FAS 10x Genomics); Dr Maria Greco (MRC WIMM); Dr David Grainger (IDRM); Dr Paola Vargas Gutierrez (MRC WIMM); Dr Lai Cheng (MRC WIMM)

Time	Topic
9.45	<b>Talk: Visium HD_Assay overview and sample preparation - Assay workflow and technical considerations - WIMM John Clegg Room</b>
10.30	Coffee Break
11.15	Practical Session: Sectioning and Mounting. <a href="#">Training Lab</a>
12.30	Deparaffinization, H&E Staining and Tissue Imaging. <a href="#">Training Lab</a>
13.30	Lunch Break & Coffee
14.30	Tissue Cassette Assembly, Destaining & Decrosslinking.
16.00	Probe Incubation (O.N.). <a href="#">Training Lab</a>

## Wednesday 17<sup>th</sup> September

9.30	Post Hybridization Wash & Probe Ligation (1h). <a href="#">Training Lab</a>
11.10	Tissue Wash and Staining Visium HD Slide Wash & Prime - Cassette Assembly. <a href="#">Training Lab</a>
12.10	Visium CytAssist Session for Probe release and Capture. <a href="#">Training Lab</a>
13.10	Lunch Break
13.40	Wash and Probe Extension
15.00	<b>Talk: Data Overview_ Loupe Browser demo - WIMM Conference Room</b> <b>Talk: Visium HD Cloud Analysis</b>
16.30	Coffee Break Q&A: Conclusions, participant Q&A and wrap up of Day 2

## Thursday 18<sup>th</sup> September

9.30	Probe elution
10.00	Pre-Amplification and SPRI-select. <a href="#">Training Lab</a>
11.30	qPCR- Cycle number determination & consideration <a href="#">Training Lab</a>
12.30	Sample Index PCR. <a href="#">Training Lab</a>
12.45	Lunch Break
13.15	Post-sample Index PCR Cleanup - SPRI-select. <a href="#">Training Lab</a>
13.45	Post-Library construction QC & Bioanalyzer results explained. <a href="#">Training Lab</a>
14.00	<b>Talk: Visium HD enables spatial discovery in human tissue at single cell scale. Dr David Grainger - WIMM Seminar Room</b>
15.00	Q&A: Conclusions, participant Q&A and course wrap up.