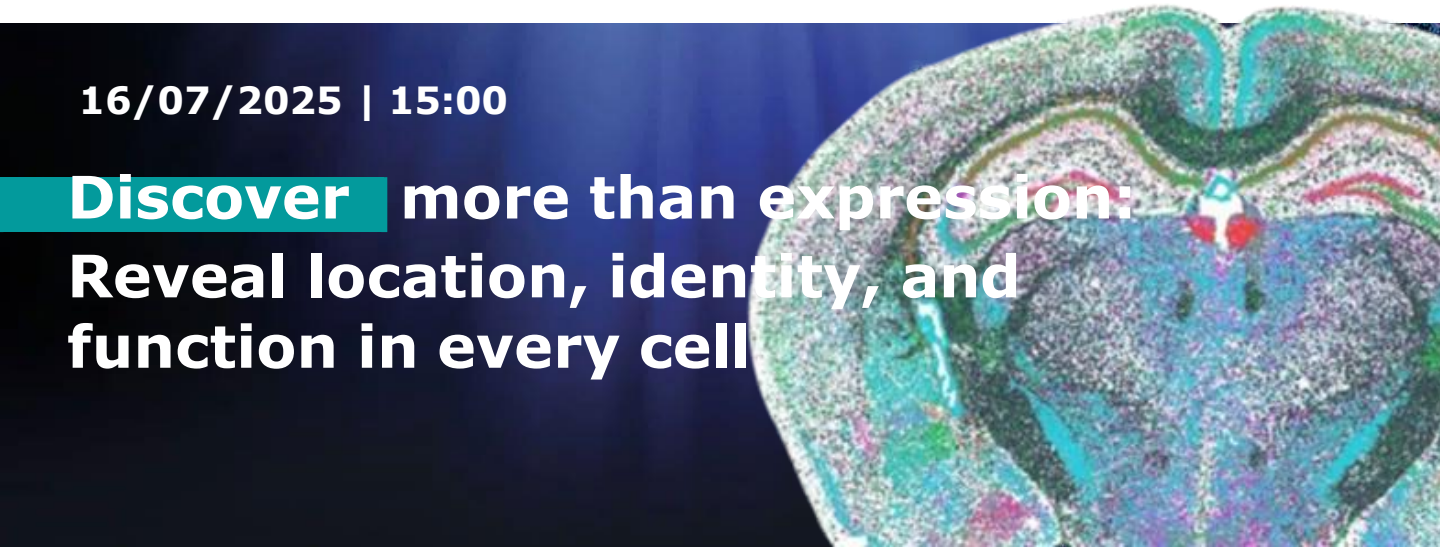
CENTER FOR NEUROSCIENCE AND CELL BIOLOGY UNIVERSITY OF COIMBRA PORTUGAL

Izasa Scientific by Palex



16/07/2025 | 15:00

Discover more than expression: Reveal location, identity, and function in every cell

Auditorium 2nd Floor Center of Neuroscience and Cell Biology | Coimbra

The Spatial Biology Revolution Serving CNC's Research Excellence Goals

Abstract

Spatial biology is rewriting how we see tissues — gene by gene, cell by cell.
At the heart of this transformation is **MERSCOPE™ Ultra**, powered by **MERFISH 2.0.** This next-generation platform delivers **single-cell, subcellular resolution** with the power to detect up to 1000 genes in an imaging area of 3.0 cm^2 — even in **FFPE** or degraded tissue.

For CNC researchers focused on **tumor biology** and **neuroscience**, this means the ability to:

- Decode **tumor heterogeneity** and immune microenvironments
- Reveal **rare cell types** and molecular interactions in the brain
- Preserve spatial context with **<20 nm precision**, without the need for sequencing

MERSCOPE Ultra offers an end-to-end, automated workflow with seamless compatibility with tools like **Seurat, Scanpy,** and the **Vizgen Post Processing Tool (VPT)** — enabling flexible and reproducible analysis.
At CNC, excellence meets innovation — and spatial biology becomes a tool for real insight.

Free attendance – Registration required

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