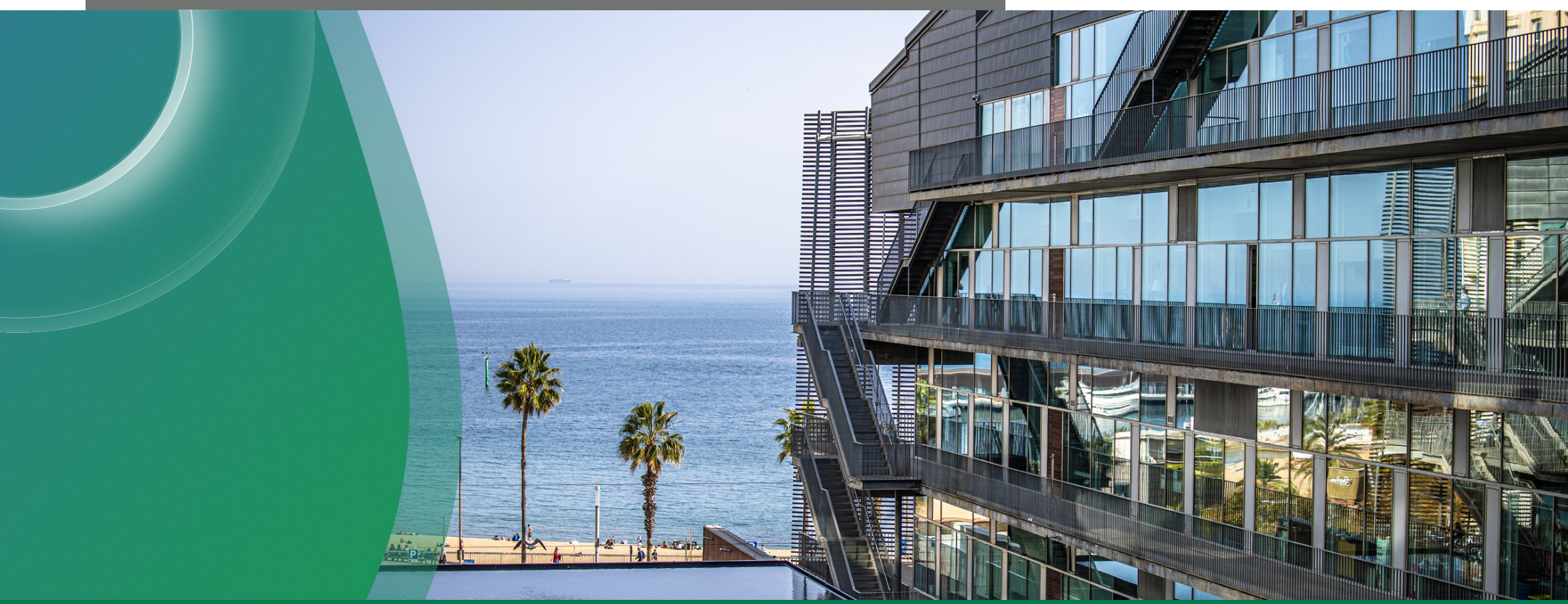
EMBL

SCIENCE BY THE BEACH – OPEN SEMINAR SERIES



Alessandro Mongera

University College London

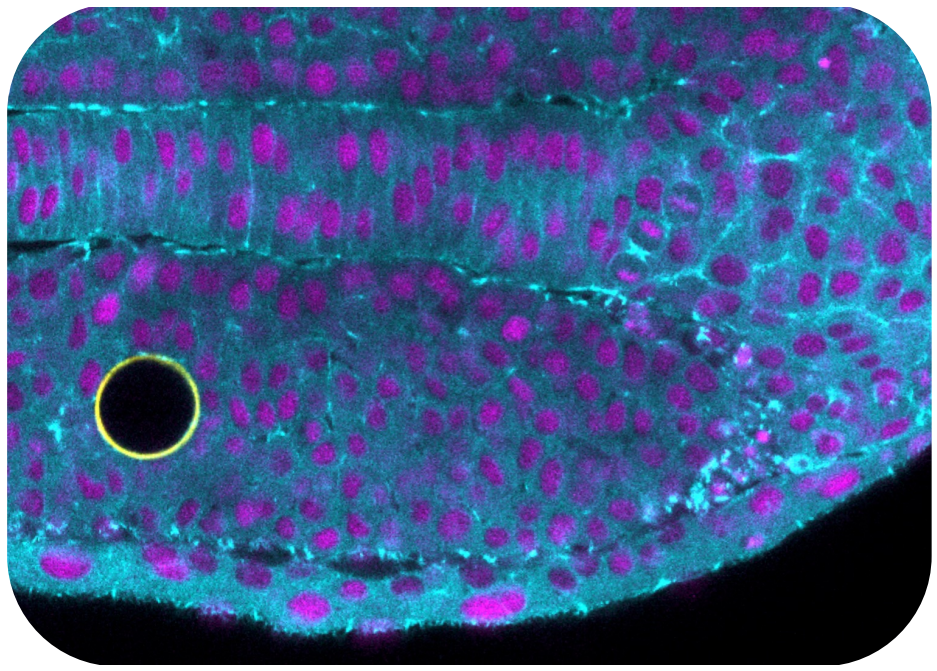


17 November 2026, 12pm

Barcelona, Maria Sklodowska-Curie – PRBB

The mechanics of mesenchymal morphogenesis

In this seminar, I will present our work on the mechanics of mesenchymal tissues, which we have described as a fluid under tension. I will focus primarily on the presomitic mesoderm (PSM), which is considered a major engine of body axis elongation. I will explore how the tissue's ability to maintain its fluidity is linked to contact inhibition of locomotion (CIL), a process through which cells move away from their neighbours following cell–cell contact. This provides a link between a cell-scale behaviour and the emergent, tissue-scale material properties that drive morphogenesis.



Upcoming speakers

Stay tuned for the 2027 schedule!

A seminar series inviting international researchers, organized by EMBL Barcelona postdocs, open to all

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