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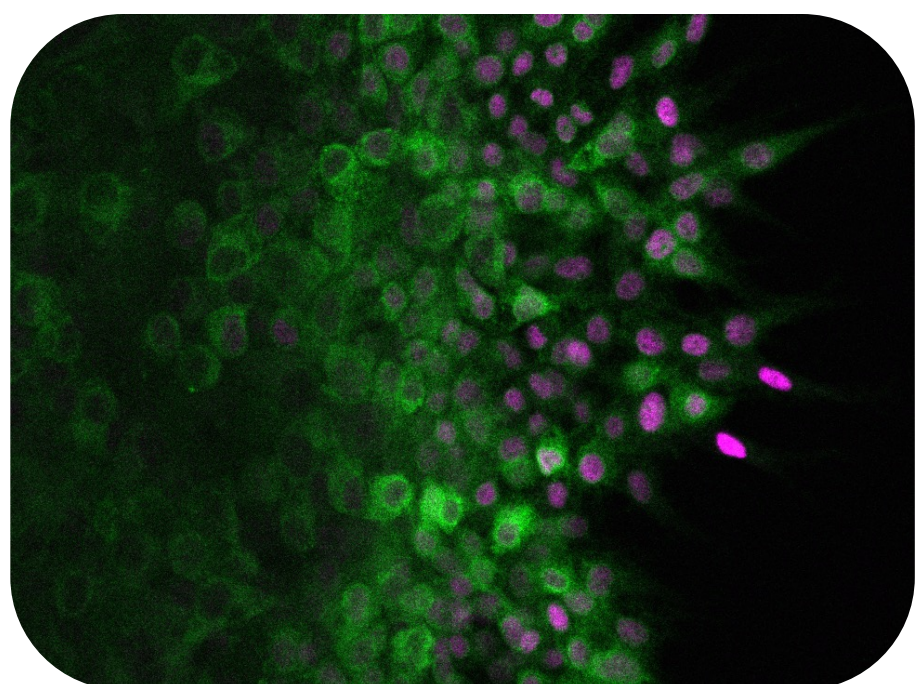
13 October 2026, 12pm

Barcelona, Charles Darwin – PRBB



Biological origami: decoding the developmental origins of mammalian diversity

Mammalian development generates remarkable diversity from seemingly similar starting points, but how species-specific forms emerge remains poorly understood. I will present how my lab combines unconventional mammalian species, stem cells, organoids and comparative approaches to uncover the intrinsic developmental programs and environmental cues that shape embryonic and placental diversity. I will focus in particular on oxygen as a key environmental cue, showing how oxygen availability and HIF1a regulate human trophoblast differentiation, self-organization and function.



Upcoming speakers

Tue, November 17 2026 – Alessandro Mongera, University College London, UK

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

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