

Harry McNamara

Yale University

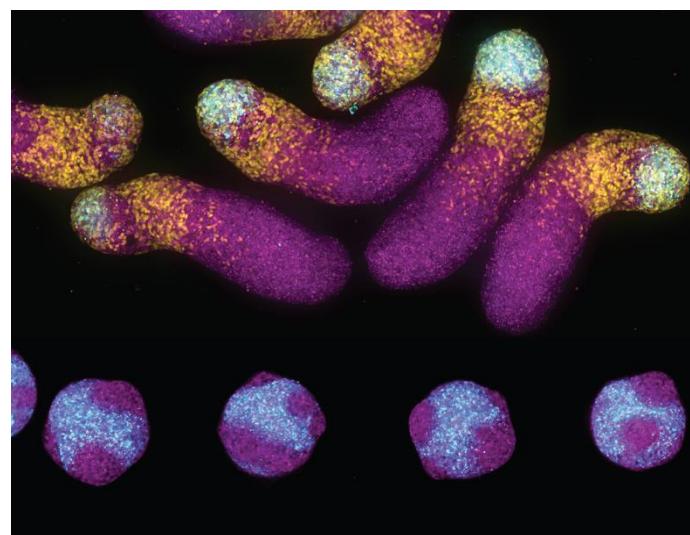
13 May 2025, 12pm

Barcelona, Marie Curie- PRBB



Decoding and controlling developmental self-organization

Aggregates of stem cells can break symmetry and self-organize the morphogenesis of embryo-like structures in vitro. How multicellular patterns emerge from signaling interactions between stem cells is not well understood. We investigate developmental self-organization by engineering stem cells with synthetic genetic circuits that can measure, record, and control morphogen signaling activity. We will describe how this approach can be used to investigate the origins of anterior-posterior patterning in the gastruloid model.



Upcoming speakers

Tue, June 10 2025 – Yadira Soto-Feliciano, Massachusetts Institute of Technology

Tue, September 16 2025 – Pavel Tomancak, MPI-CBG

Tue, October 14 2025 – James Briscoe, Francis Crick Institute

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

www.embl.org