

Jeroen van Zon

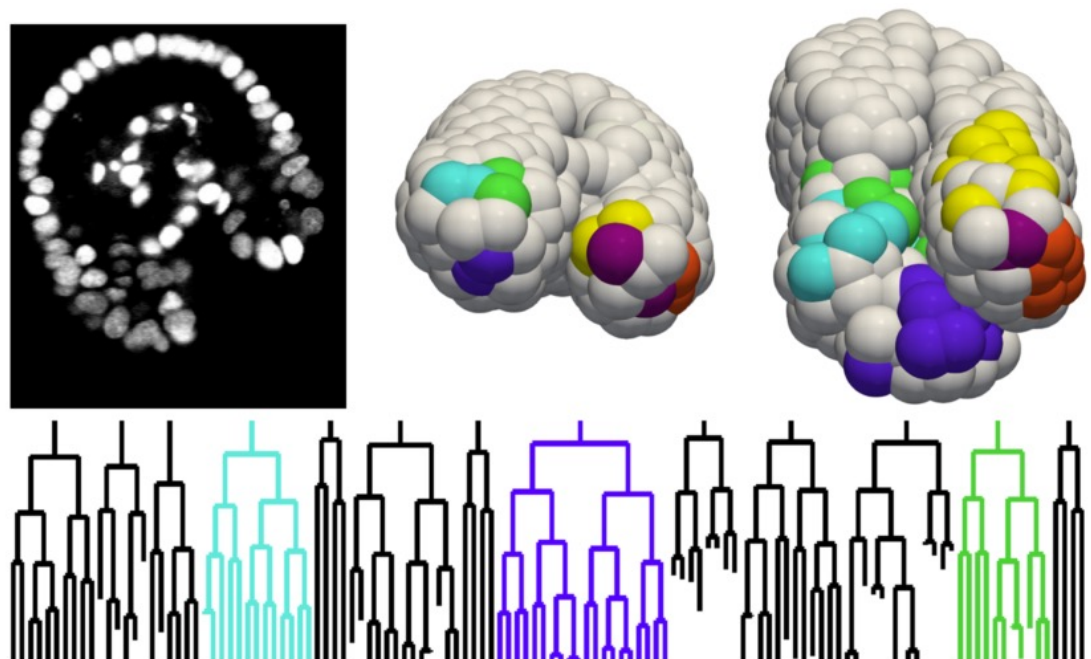
AMOLF

15 September 2026, 12pm
Barcelona, Charles Darwin – PRBB



AI-driven single-cell tracking of homeostasis in intestinal organoids

Organoid models uniquely enable the visualization of the single-cell dynamics that underlies organ development and homeostasis, but the large number of cells often make such analysis infeasible in practice. In my talk, I will discuss how we have developed an AI-driven cell tracking pipeline that allows tracking all cells in movies of growing 3D organoids, and how we use this approach to study stem cell maintenance, cell differentiation and cell patterning in intestinal organoids.



Upcoming speakers

Tue, October 13 2026 – Claudia Gerri, MPI-CBG, Germany

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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