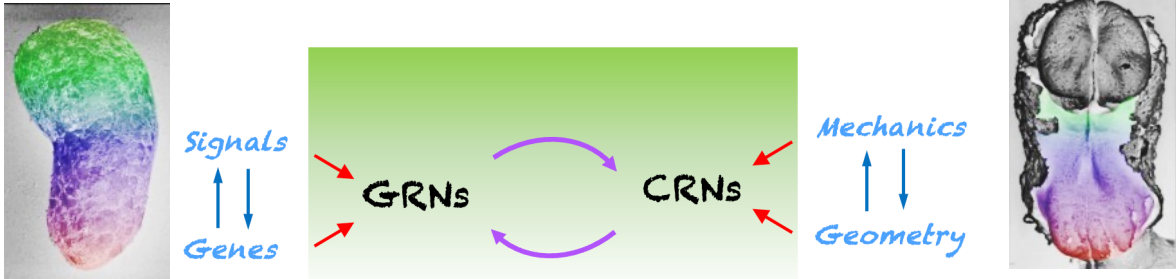


Of cells and embryos: #NotInTheGenes



Thinking about the fundamentals of animal development, Alan Turing famously stated that the description of a biological system consists of two parts: a mechanical and a chemical. He added that their interdependence creates a challenge for understanding and that, for practical reasons, one might want to treat them as separate objects of studies. Over the last forty years developmental biology has focused on the role that genes (the chemical) play in development. However, a complete understanding requires to include the mechanical element, a component that is **#NotInTheGenes**. Over the last few years, a number of studies with a focus on cells, rather than genes, have begun to delve into this aspect of development.

This symposium will explore animal development from the perspective of the contribution of cellular ensembles to animal development and, in particular, to the shaping of animal embryos.

Organized by the Stembryo lab and sponsored by MiniEmbryoBlueprint ERC project and the UPF.




September 18, 19 2025 La Pedrera Barcelona

Of cells and Embryos #NotInTheGenes

Laure Bally-Cuif (Institute Pasteur, Paris, France)
 Anna Bigas (IMIM, Barcelona, Spain)
 Miguel Concha (Universidad de Chile, Santiago Chile)
 Denis Duboule (College de France, Paris, France)
 Jianping Fu (University of Michigan, Michigan, USA)
 Jerome Gros (Institute Pasteur, Paris, France)
 Kat Hadjantonakis (Sloan Kettering, New York, USA)
 Matthias Lutolf (EPFL Lausanne, Switzerland)
 Roberto Mayor (UCL, London, UK)
 Jean Leon Maitre (Institute Curie, Paris, France)
 Naomi Moris (Francis Crick Institute, London, UK)
 Cristina Pujades (UPF, Barcelona, Spain)
 Nicolas Rivron (IMP Vienna, Austria)
 Ben Steventon (University of Cambridge, Cambridge, UK)
 Shahragim Tajbakhsh (Institute Pasteur, Paris, France)
 Pavel Tomancok (Maxx Planck, CBG Dresden, Germany)
 Joe Yost (Catholic University of America, Washington, USA)





The meeting is free but with limited capacity

Images of human gastruloid and embryo by Naomi Moris