



# INSERM Human Developmental Cell Atlas (HUDECA) symposium

November 23<sup>rd</sup>, Amphithéâtre Buffon, 15 Rue Hélène  
Brion, Paris, France

- 8:45-9:15** Registration
- 9:15-9:30** Welcome and introduction  
**Alain Chédotal** (INSERM Institut de la Vision, Paris)
- 9:30-10:05** **Mary Herbert** (Newcastle University, UK)  
Title : Getting off to a good start
- 10:05-10:25** **Jean-Léon Maitre** (Institut Curie, Paris)  
Title: Mechanics of human preimplantation development
- 10:25-11:00** **Ali Brivanlou** (Rockefeller University, USA)  
Title : Self-Organization of Synthetic Human Embryos
- 11:00-11:30** Coffee break
- 11:30-11:50** **Aurélie Lardenois** (IRSET Rennes)  
Title : Decoding somatic cell lineage specification in the human fetal gonad
- 11:50-12:10** **Bruno Canque** (Institut de Recherche Saint Louis, Paris)  
Title : Clonal-scale mapping of lymphoid development architecture in humans
- 12:10-12:45** **Olivier Pourquié** (Harvard, USA)  
Title: Development of the human musculo-skeletal system in vitro
- 12:45-14:00** **Lunch (buffet) for all participants**
- 14:00-14:35** **Pierre Vanderhaeghen** (VIB KU Leuven, Belgium)  
Title: Mechanisms linking development and evolution of the human brain
- 14:35-14:55** **Alain Chédotal** (Institut de la Vision, Paris)  
Title: 3D analysis of human head development
- 14:55-15:15** **Heather Etchevers** (Marseille Medical Genetics, Marseille)  
Title: Human cell atlas – Application of spatial transcriptomics in cardiac development
- 15:15-15:35** **Sreekala Nampoothiri** (Lille Neuroscience & Cognition)  
Title: Single-cell atlas of the human olfactory system development
- 15:35-16:10** **Elena Cattaneo** (University of Milan, Italy)  
Title: "In vitro derived medium spiny neurons recapitulate human striatal development and complexity at single-cell resolution"
- 16:10-16:30** **Raphael Scharfmann** (Institut Cochin, Paris)  
Title: The human fetal pancreas
- 16:30-17:00** **Short talks and discussion**  
**16:30-16:40 Pascal Barbry** (IPMC, Université Côte d'Azur and CNRS, Nice)  
Title: Setting a framework for human developmental single-cell/spatial biology  
**16:40-16:50 Stéphane Nédelec** (Institut du Fer à Moulin, Paris)  
Title: Self-organizing scalable models of human neural tube and somite co-morphogenesis
- 17:00** End of the meeting