

Hubrecht Symposium 2025

Developmental Biology - Morphogenesis and cell fate decisions

08:30 - 09:30 Register & coffee at the Hubrecht Institute

Session 1 - Accelerator - Chair: Ina Sonnen, Hubrecht Institute

- 09:30 - 09:35 Welcome and introduction by Geert Kops, director Hubrecht Institute
- 09:35 - 10:20 Keynote: Ben Simons, Gurdon Institute and Cambridge Stem Cell Institute
"Spermatogenesis: a paradigm of stem cell regulation"
- 10:20 - 10:35 Selected talk: Jonas Mars, Hubrecht Institute
*"The conserved Wnt target gene *Eva1c* is required for intestinal stem cells to remain in their niche"*
- 10:35 - 11:00 Felicity Jones, University of Groningen
"Evolutionary tinkering with gene regulation - pleiotropic constraints shape adaptive divergence"

11:00 - 11:35 Coffee break at the Hubrecht Institute

Session 2 - Accelerator - Chair: Thijs van Boxtel, University of Amsterdam

- 11:35 - 12:00 Ans van Pelt, Amsterdam UMC
"Spermatogonial stem cells: developmental biology and therapeutic potential"
- 12:00 - 12:15 Selected talk: Noelia Antón-Bolaños, UMC Utrecht
"Human brain organoids record the passage of time"
- 12:15 - 12:40 Masoud Zamani Esteki, Maastricht University and Maastricht UMC
"Genome instability in early development and its impact in health and disease"

12:40 - 14:40 Lunch and poster session at the Hubrecht Institute

Session 3 - Accelerator - Chair: Isabel Misteli Guerreiro, Hubrecht Institute

- 14:40 - 15:05 Gert Jan Veenstra, Radboud Institute for Molecular Life Sciences
"Heart evolution, development and differentiation"
- 15:05 - 15:20 Selected talk: Silke Henkes, Leiden University
"Spiral-eyes: A soft active matter model of in vivo corneal epithelial cell migration"
- 15:20 - 15:45 Jeroen Bakkers, Hubrecht Institute
"The fish that heals: unraveling the mysteries of cardiac regeneration"

15:45 - 16:25 Tea break at the Hubrecht Institute

Session 4 - Accelerator - Chair: Jop Kind, Hubrecht Institute

- 16:25 - 16:40 Selected talk: Arghyadip Mukherjee, École Normale Supérieure
"Topological interactions drive the first fate decision in the fly embryo"
- 16:40 - 17:25 Keynote: Fiona Watt, EMBO director, EMBL Heidelberg and King's College London
"Functional and spatial heterogeneity of skin fibroblasts"

17:25 - 17:30 Poster award ceremony by Daniel Krüger, Hubrecht Institute
Closing by Jop Kind, Hubrecht Institute

17:30 - 18:30 Drinks and networking at the Hubrecht Institute

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Developmental Biology
and Stem Cell Research