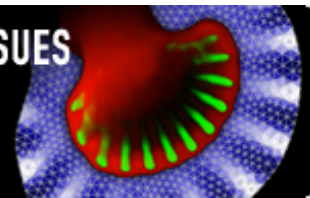


## PROGRAM

### Wednesday April 10

- 08:30-09:00 Registration
- 09:00-09:10 **Hernán LÓPEZ-SCHIER**  
*Research Unit Sensory Biology and Organogenesis, Helmholtz Zentrum München, Neuherberg DE*  
Opening remarks and QuanTissue presentation
- 09:10-10:00 **Stanislav SHVARTSMAN**  
*The Department of Chemical and Biological Engineering, Princeton University, Princeton (NJ) US*  
"From signals to shapes in tissue morphogenesis"
- 10:00-10:50 **Alexander AULEHLA**  
*Developmental Biology, European Molecular Biology Laboratory (EMBL), Heidelberg DE*  
"A quantitative approach to study phase-dynamics of genetic oscillators during mouse embryo patterning and scaling"
- 10:50-11:20 Coffee break
- 11:20-12:10 **Miki EBISUYA**  
*Career-Path Promotion Unit for Young Life Scientists, Kyoto University, Kyoto JP*  
"Genesis of asymmetry through synthetic cell-cell positive feedback"
- 12:10-13:00 **Javier BUCETA**  
*Theoretical and In Silico Modeling of Biological Systems Group (The.Si.M.Bio.Sys.), Parc Científic de Barcelona, Barcelona ES*  
"Sonic hedgehog signaling switches the mode of division in the developing nervous system"
- 13:00-14:00 Lunch
- 14:00-14:50 **Juan Manuel PEDRAZA**  
*Physics Department, University of the Andes, Bogotá CO*  
"Bacterial persistence as a stochastic-inducible phenomenon"
- 14:50-15:40 **Fabian THEIS**  
*Institute of Bioinformatics and Systems Biology, Helmholtz Zentrum München and Institute of Mathematical Sciences, Technische Universität München, Munich DE*  
"Modeling blood stem cell differentiation on multiple scales"
- 15:40-16:30 **Lucia MARUCCI**  
*Gene Regulation, Stem Cells and Cancer Programme, Centre for Genomic Regulation (CRG), Barcelona ES*  
"Mathematical modelling of Wnt/ $\beta$ -catenin dependent somatic cell reprogramming"
- 16:30-17:30 Pica-pica & Poster Session



**Thursday April 11**

- 09:30-10:20 **Veronica GRIENEISEN**  
*Computational & Systems Biology, John Innes Centre, Norwich Research Park, Norwich UK*  
 “Computational Approaches to Unraveld Cell & Tissue Polarity”
  
- 10:20-11:10 **Jerome SOLON**  
*Biomechanics of Morphogenesis Group, Cell and Developmental Biology Programme, Centre for Genomic Regulation (CRG), Barcelona ES*  
 “Closing the gap: mechanisms regulating tissue constriction during drosophila dorsal closure”
  
- 11:10-11:40 Coffee break
  
- 11:40-12:30 **Rico COEN**  
*John Innes Centre, Norwich Research Park, Norwich UK*  
 “A Framework for Tissue Cell Polarity in Plants and Animals”
  
- 12:30-13:20 **Shigeru KONDO**  
*Graduate School of Frontier Biosciences, Osaka University, Osaka JP*  
 “Turing Pattern Formation in the Real Biological System”
  
- 13:20-14:30 Lunch
  
- 14:30-15:20 **Niels GRABE**  
*Hamamatsu Tissue Imaging and Analysis (TIGA) Center, BIOQUANT, University Heidelberg, Heidelberg DE*  
 "Systems-biological analysis of human wound closure using organotypic skin cultures"
  
- 15:20-16:10 **Jeremy GREEN**  
*Department of Craniofacial Development & Stem Cell Biology, King's College London, London UK*  
 “Patterning and growth in the mouse palate: a periodic Turing system with multiple tissue elongation mechanisms”
  
- 16:10-16:30 **James SHARPE**  
*Systems Biology Programme, Centre for Genomic Regulation (CRG), Barcelona ES*  
 Closing remarks