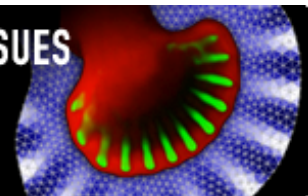


PROGRAM

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/ β -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