



GETTING IN SHAPE VISUALIZATION AND MANIPULATION OF ORGANISMAL MORPHOGENESIS

INTERNATIONAL SYMPOSIUM

NOVEMBER 28 TO 29, 2013

AUDITORIO HERMANN NIEMEYER DEPARTAMENTO DE BIOLOGÍA, FACULTAD DE
CIENCIAS UNIVERSIDAD DE CHILE LAS ENCINAS 3370 SANTIAGO DE CHILE

THURSDAY, NOVEMBER 28, 2013

09:00 – 13:00	Session 1: Jochen Wittbrodt & Miguel Allende
09:00 – 09:10	Introductory words (Miguel Allende, Jochen Wittbrodt)
09:10 – 9:50	Jiří Friml – Institute of Science and Technology Austria (IST Austria) Wien, Austria: <i>“Polarity and Patterning in Plant Development”</i>
09:50 – 10:30	Patricio Olguin – Facultad de Medicina, University of Chile, Santiago, Chile: <i>“Shaping the Drosophila dorsal thorax, the role of planar polarity and cellular adaptation to inter-tissue mechanical stress”</i>
10:30 – 11:00	Coffee break
11:00 – 11:40	Claudio Araya – Instituto de Ciencias Marinas y Limnológicas, Universidad Austral de Chile, Valdivia, Chile: <i>“Regulation of cell and tissue invagination during zebrafish neurulation”</i>
11:40 – 12:20	Patrick Laufs – Institut Jean-Pierre Bourgin, Versailles, France: <i>“Genetic Control of Leaf Shape”</i>
12:20 – 13:00	Alvaro Glavic – FONDAPE Center for Genome Regulation, Facultad de Ciencias, Universidad de Chile, Santiago, Chile: <i>“The Drosophila EKC/KEOPS complex: its role in protein homeostasis and animal growth”</i>
13:00 – 14:30	Lunch and Poster viewing



14:30 – 16:30	Session 2: Alexis Maizel & Lorena Norambuena
14:30 – 15:10	Anne Spang – Biozentrum University of Basel, Switzerland: „ <i>Function and regulation of small GTPases in C.elegans</i> ”
15:10 – 15:50	Yohanns Bellaiche – Génétique et biologie du développement, Institut Curie, Paris, France: “ <i>Epithelial cell dynamics and cell division</i> ”
15:50 – 16:30	Michael Brand – Biotechnology Center, TU Dresden, Germany: “ <i>Regeneration of the adult zebrafish brain: an essential, positive role for inflammation</i> ”
16:30 – 17:00	Coffee break
17:00 – 19:00	Session 3: Steffen Lemke & Claudio Araya
17:00 – 17:40	Karin Schumacher – Centre for Organismal Studies, Universität Heidelberg, Germany: “ <i>Same, same but different – the plant endomembrane system and its roles in growth and morphogenesis</i> ”
17:40 – 18:20	Juan Ramón Martínez Morales – Centro Andaluz de Biología del Desarrollo, Universidad Pablo de Olavide, Sevilla, Spain: “ <i>Optic cup morphogenesis: a model to study the cellular and molecular bases of basal constriction</i> ”
18:20	Poster session

FRIDAY, NOVEMBER 29, 2013

09:00 – 14:30	Session 4: Karin Schumacher & Alvaro Glavic
09:00 – 9:40	Lorena Norambuena – Departamento de Biología, Universidad de Chile, Santiago, Chile: “ <i>Protein trafficking: Role in Plant Development</i> ”
09:40 – 10:20	Lázaro Centanin – Centre for Organismal Studies, Universität Heidelberg, Germany: “ <i>Life-Long Lineage Analysis of Post-Embryonic Retinal Stem Cells in Fish</i> ”
10:20 – 11:00	Alexis Maizel – Centre for Organismal Studies, Universität Heidelberg, Germany: “ <i>Quantitative analysis of Arabidopsis thaliana lateral root morphogenesis at cellular resolution using light sheet based fluorescence microscopy</i> ”
11:00 – 11:30	Coffee break
11:30 – 12:10	Jacques Dumais – Facultad de Ingeniería y Ciencias, Universidad Adolfo Ibáñez, Viña del Mar, Chile: “ <i>Measuring Cell Expansion in Growing Plant Organs</i> ”
12:10 – 12:50	Jan-Felix Evers – Centre for Organismal Studies, Universität Heidelberg, Germany: “ <i>Variability and mechanisms of plasticity during development of locomotor circuits in Drosophila</i> ”
12:50 – 14:30	Lunch and Poster viewing

14:30 – 16:30	Session 5: Juan Ramón Martínez-Morales & Patricio Olguín
14:30 – 15:10	Miguel Allende – FONDAP Center for Genome Regulation, Facultad de Ciencias, Universidad de Chile, Santiago, Chile: <i>“Resilience of the zebrafish mechanosensory system: robust regenerative potential in all its cellular components”</i>
15:10 – 15:50	Andrés Sarrazin – Institute of Chemistry, Pontificia Universidad Católica de Valparaíso, Chile: <i>“Evolutionary origin of segment formation mechanisms in animals”</i>
15:50 – 16:30	Steffen Lemke – Centre for Organismal Studies, Universität Heidelberg, Germany: <i>“Evolution of Gastrulation”</i>
16:30 – 17:00	Coffee break
17:00 – 19:30	Session 6: Miguel Allende & Lázaro Centanin
17:00 – 17:40	Kate Whitlock – Centro Interdisciplinario de Neurociencia de Valparaíso (CINV), Universidad de Valparaíso, Chile: <i>“Dissecting Development in Time and Space”</i>
17:40 – 18:20	Siobhan Brady – Department of Plant Biology and Genome Center UC Davis, USA: <i>“Mapping Spatiotemporal Gene Regulatory Networks Guiding Root Vascular Development”</i>
18:20 – 19:00	Jochen Wittbrodt – Centre for Organismal Studies, Universität Heidelberg, Germany: <i>“How to define a niche: Transcriptional control of stem cell features in the post-embryonic fish retina”</i>
19:00	Closing remarks (Miguel Allende)

This symposium is part of the Santander International Summer School for Doctoral Students from November 19 to 29, 2013 at Heidelberg Center for Latin America and Universidad de Chile, Santiago de Chile.

More information: www.uni-heidelberg.de/santander_summer_schools