

LIST OF ACCEPTED POSTERS

Num.	Author(s)	Institution	Poster Title
01	Rachele Allena and Denis Aubry	ENSAM	'Run-and-tumble' or 'look-and-run'? A mechanical model to explore the behavior of a migrating amoeboid cell
02	Alessandro Alunni, Monika Krecsmarik, Nikolay Ninov, Didier Stainier and Laure Bally-Cuif	CNRS	Notch controls neural stem cell proliferation in the adult zebrafish telencephalon
03	Floris Bosveld, Isabelle Bonnet, Boris Guirao, Sham Tlili, Ambre Pettalot, Zhimin Wang, Raphaël Marchand, Philippe Marcq, François Graner, Yohanns Bellaïche	Institut CURIE	Mechanical control of tissue morphogenesis by the Fat/Dachsous/Four-jointed planar cell polarity pathway
04	Monica Bonetti and Jeroen den Hertog	hubrecht institute	Shp2 signaling mediated cell movement defects in Noonan and LEOPARD syndrome
05	Simone Calzolari and Cristina Pujades	Universitat Pompeu Fabra	Study of the molecular mechanisms involved in hindbrain segmentation in zebrafish
06	Jia-Ming Chang, Paolo Di Tommaso, Jean-François Taly, Cedric Notredame	Centre for gene regulation, CRG, Barcelona	Accurate multiple sequence alignment of transmembrane proteins with PSI-Coffee
07	Vito Conte, Xavier Serra Picamal, Romaric Vincent and Xavier Trepast	IBEC	Modelling mechanical pattern formation in tissue Dynamics
08	Floor Twiss, Esteban Hoijman, Stephan Huveneers, Holger Rehmann, Johan de Rooij	Hubrecht Institute	Vinculin-dependent Cadherin mechanosensing in control of cell-cell adhesion and development
09	Xavier Diego, Eugenio Oñate	Universitat Politècnica de Catalunya	RHO-GTPASE REGULATION BY GEFS, GAPS AND GDIS IN CELL MIGRATION
10	Sylvia Dyballa*, Rodrigo Aviles Espinosa*, Pablo Loza-Alvarez*, Cristina Pujades*	Universitat Pompeu Fabra, Departament de Ciències Experimentals i de la Salut	Sensory versus Neuronal Cell Fate Determination? - Global Cell Lineage Tracing in the Otic Vesicle of Zebrafish
11	Roland Galgoczy, Adai Colom, Isaac Almendros, Alicia Gimenez, Marta Puig, Daniel Navajas, Ramon Farré, Jordi Alcaraz	Hospital Clinic, Unitat de Biofísica y Bioenginyeria	Extracellular matrix based 3D cultures as tissue surrogates in terms of O2 transport
12	Hans-Günther Döbereiner, Adrian Fessel, Christina Oettmeier, and Erik Bernitt	Institut für Biophysik, Universität Bremen	Universal Network Percolation in the Slime Mold Physarum polycephalum
13	Amayra Hernández-Vega, Maria Marsal, Philippe-Alexandre Pouille and Enrique Martín-Blanco	IBMB, CSIC	Cellular mechanisms driving Zebrafish epiboly
14	Ana Hocevar, Matteo Rauzi, Maria Leptin, and Primož Zihel	Jozef Stefan Institute	A model of epithelial invagination driven by collective mechanics of identical cells
15	Urška Jelerčič and Primož Zihel	Institut Jožef Stefan	Composite contact of binary lipid membranes
16	Anna Kicheva, Ana Ribeiro, Fahad al Saud, Gen Zhang, Ben Simons, James Briscoe	MRC National Institute for Medical Research	Coordination of patterning and growth in the spinal cord
17	Dennis Lambrechts, Jan Demol, Jan Schrooten, Tom Van de Putte, Hans Van Oosterwyck	KULeuven	The Influence of Oxygen Tension on Cell Behavior within Fibrin Hydrogels: a combined computational and experimental approach
18	Letizia, Annalisa and Llimarga, s Marta	Institut de Biologia Molecular de Barcelona	Cell shape changes during early Drosophila embryonic development
19	Laura Lleras, Nicolas Christophorou, David Chambers and Andrea Streit	Department of craniofacial development, King's college London	MOLECULAR ANALYSIS OF SENSORY ORGAN PRECURSORS IN THE CHICK
20	Luciano Marcon, James Sharpe	Systems Biology Unit CRG/EMBL	A systems biology approach to study limb skeletal pattern formation

SYMPOSIUM **QuanTissue** **QUANTITATIVE MODELS IN CELL AND DEVELOPMENTAL BIOLOGY**
  **February 13-15, 2012** **ORGANIZER**
 PRBB Auditorium, Barcelona, Spain **Hernán López-Schier**

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Num.	Author(s)	Institution	Poster Title
21	Lucia Marucci , Elisa Pedone, Mark Isalan, Maria Pia Cosma	CRG	Mathematical modelling of Wnt/ β -catenin dependent somatic cell reprogramming.
22	Marina Peralta, Juan Manuel González-Rosa, Ana Ariza, José Luis Gómez-Skarmeta, Nadia Mercader	Centro Nacional de Investigaciones Cardiovasculares	Development of the epicardium in the zebrafish
23	Julio M. Belmonte , Susan D. Hester, J Scott Gens, Sherry Clendenon, James A. Glazier	Indiana University	Multi-Cell, Multi-Scale Model of Vertebrate Somitogenesis
24	J Munoz , V Conte, N Asadipour and M Miodownik	Universitat Politècnica de Catalunya	Modelling of viscoelastic and active response of cells
25	Anastasios Pavlopoulos , Carsten Wolff and Pavel Tomancak.	Max Planck Institute of Molecular Cell Biology and Genetics	Comparative systems-level studies of animal appendage morphogenesis using the crustacean model <i>Parhyale hawaiiensis</i> .
26	Pouille P.-A. , Hernandez A., Marsal M., Martín-Blanco E.	IBMB - CSIC	Measurement of complete stress maps in the Zebrafish embryo during epiboly
27	Matteo Rauzi and Maria Leptin	EMBL Heidelberg	Embryo scale integration of forces and gene patterns controlling tissue invagination
28	Barbara Rotstein , David Molnar, Boris Adryan, Marta Llimargas	IBMB-CSIC	Tramtrack is genetically upstream of genes controlling tracheal tube size in <i>Drosophila</i>
29	Xavier Serra-Picamal , Vito Conte, Romaric Vincent, Ester Anon, and Xavier Trepap	Universitat de Barcelona / Institut de bioenginyeria de Catalunya	Distinct regimes of mechanical propagation at the onset of collective cell migration
30	E. Spanjaard , I. Smal, I. Verlaan, E. Meijering, J. de Rooij	Hubrecht Institute	Quantitative Automated Image Analysis to investigate Focal Adhesion Dynamics
31	Maciej Swat , Abbas Shirinifard	Biocomplexity Institute, Indiana University	Multi-Cell Tumor Growth Modeling Using CompuCell3D
32	M. Basan, J.-F. Joanny, J. Prost, T. Idema, M. Lenz, X. Sastre-Garau & T. Risler	Institut Curie, Centre de Recherche, UMR 168	Fingering instabilities and cellular pathways in epithelial tissues and their connection to tumor growth
33	P. Zihnerl	University of Ljubljana, Faculty of Mathematics and Physics, & Jozef Stefan Institute	Insights into structure of Golgi apparatus