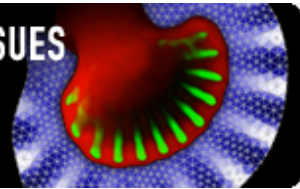


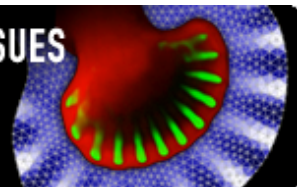
LIST OF ACCEPTED POSTERS

(by alphabetical order of author who submitted the abstract)

Author(s)	Affiliation(s)	Title
Katie Abley ^{1,‡} , Pierre Barbier de Reuille ^{1,2,3‡} , David Strutt ⁴ , Andrew Bangham ² , Przemyslaw Prusinkiewicz ³ , Athanasius F.M. Marée ¹ , Verônica A. Grieneisen ^{1,*} , Enrico Coen ^{1,*}	¹ John Innes Centre, Norwich Research Park, Norwich, UK, ² School of Computing Sciences, University of East Anglia, Norwich Research Park, Norwich, UK ³ Department of Computer Science, University of Calgary, Calgary, Canada ⁴ MRC Centre for Developmental and Biomedical Genetics and Department of Biomedical Science, University of Sheffield, Sheffield, UK	An intracellular partitioning-based framework for tissue cell polarity in plants and animals
Albert A. Antolin and Jordi Mestres	IMIM - UPF - Biomedical Informatics	Using Cross-Pharmacology Networks to Identify Novel Targets for Chemical Probes: The Case of PARPs
Nina Asadipour	Universitat Politècnica de Catalunya	Computational Model for Active Cell Mechanics
Marta Bleda ¹ , Ignacio Medina ² , Roberto Alonso ² , Alejandro de María ² , Francisco Salavert ¹ and Joaquín Dopazo ^{1,2,3}	¹ CIBER de Enfermedades Raras (CIBERER), Valencia, Spain ² Department of Bioinformatics and Genomics, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain ³ Functional Genomics Node (INB), CIPF, Valencia, Spain	Inferring the regulatory network behind a gene expression experiment
Anton Crombach	CRG	"The evolution of fly development: comparing gap gene networks"
P.S. Gutierrez ¹ , D. Monteoliva ² and L. Diambra ¹	¹ Laboratorio de Biología de Sistemas – CREG-UNLP, Argentina. ² Instituto de Física – UNLP, La Plata, Argentina.	Noise Minimization in Gene Expression Switches
Pau Formosa-Jordan ^{1,2} , Marta Ibañes ¹ , Saúl Ares ^{2,3} and José María Frade ⁴	¹ Department of Structure and Constituents of Matter, Faculty of Physics, UB, Spain. ² Department of Biological Physics, MPI-PKS, Dresden, Germany. ³ Logic of Genomic Systems Laboratory, Spanish National Biotechnology Centre CNB-CSIC, Madrid, Spain; and GISC. ⁴ Department of Molecular, Cellular and Developmental Neurobiology, Cajal Institute, IC-CSIC, Madrid, Spain.	Controlling self-regulated neurogenic wavefront progression: a modeling approach
David Frigola	Dept. ECM, University of Barcelona	Nature of noise and stabilization of phenotypic states



Author(s)	Affiliation(s)	Title
Hironobu Fujiwara ^{1,2} and Fiona Watt ^{2,3}	¹ RIKEN Center for Developmental Biology (CDB), ² Cancer Research UK Cambridge Research Institute, ³ King's College London	The basement membrane of hair follicle stem cells is specialized with EGFL6, which interacts with a unique sensory nerve complex, the piloneural complex
Simon Garcia, Xavi Trepap	IBEC Barcelona	Interplay between chemical and mechanical guidance during collective cell migration
Nara Guisoni (1), Joaquín de Navascues (2), Alfonso Martínez-Arias (2), Jordi García Ojalvo (3)	(1) Department of Experimental and Health Sciences, Universitat Pompeu Fabra, Barcelona, Spain & Instituto de Física de Líquidos y Sistemas Biológicos (IFLYSIB), Universidad Nacional de La Plata, La Plata, Argentina (2) Department of Genetics, University of Cambridge, Cambridge, UK (3) Department of Experimental and Health Sciences, Universitat Pompeu Fabra, Barcelona, Spain	Decision making in Drosophila midgut homeostasis
Alan Itakura, Carlo Cannistraci & Timothy Ravasi	King Abdullah University of Science and Technology	Decoupling Linear and Non-linear Associations of Gene Expression over Time
Khoruzhenko A., Gotsulyak N., Cherednyk O., Filonenko V.	Institute of Molecular Biology and Genetics, NAS of Ukraine	Application of image analysis tools to study the locomotor properties of HeLa cells under mTOR signaling inhibition and the presence of stromal cells
Karen Lee ¹ , Paul Southam ² , Jerome Avondo ¹ , Richard Kennaway ² , Johann Strasser ¹ , Andrew Bangham ² and Enrico Coen ¹	1) John Innes Centre, Norwich Research Park, Norwich, UK. 2) University of East Anglia, Norwich Research Park, Norwich, UK.	Quantification and Origin of Curvature at Early Stages of Leaf Development
Oksana M. Malanchu, S. S. Palchevskyy, V. V. Filonenko	Department of Cell Signaling, the Institute of Molecular Biology and Genetics of NAS of Ukraine	Interaction between TSC2/PP5: myth or reality
Andraž Stožer ^{1,2} , Marko Gosak ^{2,3,4,5} , Jurij Dolensek ¹ , Rene Markovič ³ , Matjaž Perc ³ , Marko Marhl ^{2,3,4} , Marjan Slak Rupnik ^{1,2,6} , Dean Korošak ^{2,5,7}	¹ Inst. of Physiology, Faculty of Medicine, Univ. of Maribor, Maribor SI ² Centre for Open Innovations and Research, Univ. of Maribor, Maribor SI ³ Dept. of Physics, Faculty of Natural Sciences and Mathematics, Univ. of Maribor, Maribor SI ⁴ Faculty of Education, Univ. of Maribor SI ⁵ Faculty of Civil Engineering, Univ. of Maribor SI ⁶ CIPKeBiP-Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins, Ljubljana SI ⁷ CAMTP - Center for Applied Mathematics and Theoretical Physics, Univ. of Maribor, Maribor SI	Structural Properties and Vulnerability of the Functional Network between Beta Cells in Islets of Langerhans from Mouse Pancreas Tissue Slices



Author(s)	Affiliation(s)	Title
Jérôme Noailly, Themis Tomanidou, Carlos Ruiz, Andrea Mandrino	Biomechanics and Mechanobiology Institute for Bioengineering of Catalonia (IBEC)	Organ/tissue finite element modelling towards an integration of biomechanical and biophysical concepts in musculoskeletal diseases: A focus on the spine
Koh Onimaru ¹ and Mikiko Tanaka ¹	¹ Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, Yokohama, Japan	Anterior-posterior pattern formation in the chondrichthyan fin development: Insight into the fin-to-limb transformation
Palau-Ortin D, Formosa-Jordan P, Sancho JM, Ibañes M	Dept. Structure and Constituents of Matter (University of Barcelona)	Dynamical selection of coexisting lateral inhibition patterns
Peter M.F.E. Emmrich, Hannah E. Roberts and Vera Pancaldi	CNIO, Madrid	A Gene Regulatory Model of Heterosis and Speciation
Irina Pavelescu ^{1,2} , Josep Vilarrasa-Blasi ¹ , Mary-Paz González-García ¹ , Marta Ibañes ² and Ana I. Caño-Delgado ¹	¹ Dept. Molecular Genetics, CRAG, Campus UAB Bellaterra, Spain ² Dept. Estructura i Constituents de la Matèria. Facultat de Física. Universitat de Barcelona, Barcelona, Spain.	A Cellular Dynamics Analysis Of Brassinosteroid Contribution To Root Growth In <i>Arabidopsis Thaliana</i>
Janet Piñero, Núria Queralt, and Laura I. Furlong	Research Programme on Biomedical Informatics (GRIB), Hospital del Mar Medical Research Institute (IMIM), DCEXS, Pompeu Fabra University (UPF)	Properties of human disease genes in organ-specific networks
Carla Prat Rojo	IBMB-CSIC	Histoblast expansion dynamics during metamorphosis: from kinetics to forces
Masatoshi Nishikawa ^{1,2} , Masahiro Ueda ^{2,3,4} , and Tatsuo Shibata ^{1,2}	¹ Laboratory for Physical Biology, RIKEN Center for Developmental Biology, Kobe JP, ² Japan Science and Technology Agency (JST), CREST, Osaka JP. ³ Laboratory for Cell Signaling Dynamics, RIKEN Quantitative Biology Center, Osaka JP. ⁴ Laboratory of Single Molecule Biology, Graduate School of Science, Osaka University, Osaka JP	Biasing Spontaneous Excitation in the Phosphatidylinositol Lipid Signaling System for Eukaryotic Chemotaxis
Angughail Sumi	Centre for Genomic Regulation (CRG)	Cellular mechanisms driving tissue constriction during morphogenesis
Xavier Serra-Picamal ¹ , Vito Conte ¹ , Elsa Bazellière ¹ , Ester Añón ^{1,2} , Xavier Trepas ^{1,3} , Romaric Vincent ¹	¹ Institute for Bioengineering of Catalonia (IBEC), University of Barcelona, Barcelona, Spain ² Matter and complex systems Lab, University Paris Diderot, Paris, France ³ Institut Català de Recerca i Estudis Avançats (ICREA), Barcelona, Spain	Self-rheology of cell monolayers