

1.- Summary (up to one page)

The launching Symposium of the European Science Foundation Research Networking Programme “**QuanTissue: Quantitative Models in Cell and Developmental Biology**” took place during February 13-15, 2012 at the PRBB Auditorium, Barcelona, Spain. -Schier (CRG - Barcelona)

QuanTissue is an ESF-funded project that aims to foster an interactive and collaborative network to bridge the gap between traditional developmental and cell biology, biophysics and systems biology. This first QuanTissue meeting will brought together experts and students from complementary disciplines with a firm interest in a quantitative understanding of the basic mechanisms that govern morphogenetic processes at sub-cellular to tissue levels. The main emphasis of this first meeting and of the workshop that will immediately follow will be to highlight the state-of-the-art in tracking and quantifying dynamical processes, from single molecules within cells, to whole cells in tissues.

Sixteen renowned scientists spoke at the symposium:

Richard Adams	UK
Benoit Aigouy	DE
Julien Compagnon	AU
James A. Glazier	USA
-	CH
Nathan W. Goehring	DE
Jan Huisken	DE
Paul Janmey	USA
Thomas Lecuit	FR
-Arias	UK
Ewa Paluch	DE
Lukas Pelkmans	CH
Mathieu Piel	FR
James Sharpe	ES
Xavier Trepat	ES
Julien Vermot	FR

In addition, 5 abstracts from applicant were selected for short talks:

Yohanns Bellaïche	FR
Nicole Gorfinkiel	ES
Anna Kicheva	UK
Julio M. Belmonte	USA
Ana Hocevar	SI

Workshop speakers:

Timo Zimmerman (CRG, Barcelona)
James Sharpe (CRG, Barcelona)
Xavier Trepat (PCB, Barcelona)
Jan Huisken (MPI, Dresden)
Erik Meijering (Rotterdam)
James A. Glazier (Indiana, USA)

2.- Description of the scientific content of and discussions at the event (up to four pages)

The launching Symposium of the European Science Foundation Research Networking Programme “QuanTissue: Quantitative Models in Cell and Developmental Biology” concentrated on the development and function of a multi-cellular organism, the mechanical cellular environment, and how the local cellular and global morphogenetic processes are interrelated. Experimental strategies based on genetics, imaging, quantitative, biophysical approaches, and mathematical modeling were presented and discussed.

PROGRAM 13-15 February 2012

Monday February 13

HernánLÓPEZ-SCHIER

CRG, Barcelona, ES

Opening remarks

XavierTREPAT

Universitat de Barcelona, ES

"The forces behind collective cell migration"

JulioM.Belmonte

Indiana University, USA

"Multi-Cell, Multi-Scale Model of Vertebrate Somitogenesis"

AnaHocevar

Jozef Stefan Institute, SI

"A model of epithelial invagination driven by collective mechanics of identical cells"

JamesA.GLAZIER

Indiana University, USA

"Multicell Modeling of Embryonic Development and Developmental Diseases"

Tuesday February 14

RichardADAMS

University of Cambridge, UK

"Mapping cell and tissue behaviours in the developing embryo"

JulienVERMOT

IGBMC, Strasbourg, FR

"Quantitative approaches to address the roles of biological flows in the embryo"

NicoleGORFINKIEL

Centro de Biología Molecular-CSIC, Madrid, ES

"Insights into the mechanical properties of epithelial cells during morphogenesis"

MathieuPIEL

Institut Curie, Paris, FR

"Life under confinement: cell division and migration when space is limited"

EwaPALUCH

Max Planck Institute, Dresden, DE

"Actin cortex mechanics and cell shape control in cytokinesis"

Lunch (FreeTime & Poster Session)

Benoit AIGOUY

Max Planck Institute, Dresden, DE

"Organizing planar polarity in the developing wing disc"

Nathan W. GOEHRING

Max Planck Institute, Dresden, DE

"Design principles of a cell polarity network"

ThomasLECUIT

IBDM, Marseille, FR

"Regulation of cell mechanics during morphogenesis"

PaulJANMEY

University of Pennsylvania, USA

"Mechanosensing through multiple types of transmembrane receptors"

Poster session

Wednesday February 15

Coffee & Poster session

JamesSHARPE

CRG, Barcelona, ES

"In-silico Organogenesis: A computer model of vertebrate limb morphogenesis"

JanHUISKEN

Max Planck Insitute, Dresden, DE

"Real-time developmental biology with high-speed SPIM"

JulienCOMPAGNON

IST Austria, Vienna, AU

"Origin of Asymmetric Morphogenesis of the Zebrafish Laterality Organ"

AlfonsoMARTINEZ-ARIAS

University of Cambridge, UK

"Structure and dynamics of embryonic stem cell populations"

Lunch (Free Time & Poster Session)

AnnaKicheva

MRC National Institute for Medical Research, UK

"Coordination of patterning and growth in the spinal cord"

LukasPELKMANS

ETH, Zurich, CH

"The origins of cell-to-cell variability in endocytic pathways"

YohannsBellaïche

Institut Curie, FR

"Mechanical control of tissue morphogenesis by the Fat/Dachsous/Four- jointed planar cell polarity pathway"

MarcosGONZÁLEZ-GAITÁN

University of Geneva, CH

"Growth control by the Dpp morphogen"

MarcosGONZÁLEZ-GAITÁN

The Symposium was followed by a Workshop:
“Tracking across scales: from single molecules to cells”
February 16-17, 2012; PRBB Building, Barcelona, Spain

Co-ordinating teachers: Richard Adams, Carl-Philipp Heisenberg, Marcos González-Gaitán.

Being able to track the movement of the components of a system is a key step in investigating structure and dynamics. In biological systems, the heterogeneity of components, the experimental challenges of imaging, and the constraints of image processing methods make the tracking of components non-trivial. We call for applications for an interdisciplinary workshop that will use real research problems to examine all aspects of tracking in biology. We have succeeded in attracting a combination of international well-established and star junior scientists. We will discuss approaches and methods in sample preparation, imaging, imaging processing, and theoretical analysis of the data. An expert faculty will guide the discussions. We encourage applications from postdocs and PhD students with backgrounds in physics, engineering, computer sciences as well as biology. We hope that the interaction will generate novel ideas and practical solutions.

3.- Assessment of the results and impact of the event on the future directions of the field (up to two pages)

The symposium was very successful and truly international, with 4 speakers from Spain and 6 from non-partner countries (the USA and France). Four speakers were women.

Around 120 participants attended the symposium.

32 posters were presented.

A survey was conducted, and will be used to introduce improvements for the next meetings. Overall the symposium was regarded as excellent. The main criticism was that the poster sessions were held on a courtyard, and the environmental temperature was too low and made the sessions uncomfortably cold.

4.- Annexes: programme of the meeting and full list of speakers and participants



February 13-15, 2012

PRBB Auditorium, Barcelona, Spain

ORGANIZER

Hernán López-Schier



PROGRAM

13-15 February 2012

Monday February 13

- 15:00 Registration
- 15:40-15:50 **Hernán LÓPEZ-SCHIER**
CRG, Barcelona, ES
Opening remarks
- 15:50-16:30 **Xavier TREPAT**
Universitat de Barcelona, ES
"The forces behind collective cell migration"
- 16:30-16:50 Julio M. Belmonte
Indiana University, USA
"Multi-Cell, Multi-Scale Model of Vertebrate Somitogenesis"
- 16:50-17:10 Ana Hocevar
Jozef Stefan Institute, SI
"A model of epithelial invagination driven by collective mechanics of identical cells"
- 17:10-18:00 **James A. GLAZIER**
Indiana University, USA
"Multicell Modeling of Embryonic Development and Developmental Diseases"

Tuesday February 14

09:30-10:00 Welcome Coffee

10:00-10:40 **Richard ADAMS**
University of Cambridge, UK
“Mapping cell and tissue behaviours in the developing embryo”

10:40-11:20 **Julien VERMOT**
IGBMC, Strasbourg, FR
“Quantitative approaches to address the roles of biological flows in the embryo”

11:20-11:40 **Nicole GORFINKIEL**
Centro de Biología Molecular-CSIC, Madrid, ES
“Insights into the mechanical properties of epithelial cells during morphogenesis”

11:40-12:20 **Mathieu PIEL**
Institut Curie, Paris, FR
“Life under confinement: cell division and migration when space is limited”

12:20-13:00 **Ewa PALUCH**
Max Planck Institute, Dresden, DE
“Actin cortex mechanics and cell shape control in cytokinesis”

13:00-15:00 Lunch (Free Time & Poster Session)

15:10-15:50 **Benoit AIGOUY**
Max Planck Institute, Dresden, DE
“Organizing planar polarity in the developing wing disc”

15:50-16:30 **Nathan W. GOEHRING**
Max Planck Institute, Dresden, DE
“Design principles of a cell polarity network”

16:30-17:10 **Thomas LECUIT**
IBDM, Marseille, FR
“Regulation of cell mechanics during morphogenesis”

17:10-18:00 **Paul JANMEY**
University of Pennsylvania, USA
“Mechanosensing through multiple types of transmembrane receptors”

18:00-20:00 Pica-pica & Poster session



February 13-15, 2012

PRBB Auditorium, Barcelona, Spain

ORGANIZER

Hernán López-Schier



Wednesday February 15

09:30-10:30 Welcome Coffee & Poster session

10:30-11:10 **James SHARPE**
CRG, Barcelona, ES

"In-silico Organogenesis: A computer model of vertebrate limb morphogenesis"

11:10-11:50 **Jan HUISKEN**
Max Planck Institute, Dresden, DE

"Real-time developmental biology with high-speed SPIM"

11:50-12:20 **Julien COMPAGNON**
IST Austria, Vienna, AU

"Origin of Asymmetric Morphogenesis of the Zebrafish Laterality Organ"

12:20-13:00 **Alfonso MARTINEZ-ARIAS**
University of Cambridge, UK

"Structure and dynamics of embryonic stem cell populations"

13:00-15:30 Lunch (Free Time & Poster Session)

15:30-15:50 **Anna Kicheva**
MRC National Institute for Medical Research, UK

"Coordination of patterning and growth in the spinal cord"

15:50-16:30 **Lukas PELKMANS**
ETH, Zurich, CH

"The origins of cell-to-cell variability in endocytic pathways"

16:30-17:00 **Yohanns Bellaïche**
Institut Curie, FR

"Mechanical control of tissue morphogenesis by the Fat/Dachsous/Four-jointed planar cell polarity pathway"

17:00-17:50 **Marcos GONZÁLEZ-GAITÁN**
University of Geneva, CH

"Growth control by the Dpp morphogen"

17:50-18:00 **Marcos GONZÁLEZ-GAITÁN**
University of Geneva, CH

Closing remarks and comments about the following Workshop

SYMPOSIUM **QuanTissue** **QUANTITATIVE MODELS IN CELL AND DEVELOPMENTAL BIOLOGY**

February 13-15, 2012 **ORGANIZER** **Hernán López-Schier**

PRBB Auditorium, Barcelona, Spain

EUROPEAN SCIENCE FOUNDATION **CRG** Centre de Recerca Genètica

quantitative experimental network morphogenesis mathematical collaborative challenge

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 Trepap	IBEC	Modelling mechanical pattern formation in tissue Dynamics
08	Floor Twiss, Esteban Hoijman, Stephan Huvneers, 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	Amayra Hernández-Vega, Maria Marsal, Philippe-Alexandre Pouille and Enrique Martín-Blanco	IBMB, CSIC	Cellular mechanisms driving Zebrafish epiboly
13	Ana Hocevar and Primoz Zihertl	Jozef Stefan Institute	Periodic three-dimensional assemblies of polyhedral lipid vesicles
14	Urška Jelerčič and Primož Zihertl	Institut Jožef Stefan	Composite contact of binary lipid membranes
15	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
16	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
17	Letizia, Annalisa and Llimarga, s Marta	Institut de Biologia Molecular de Barcelona	Cell shape changes during early Drosophila embryonic development
18	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
19	Horacio Lopez-Menendez, Jose F. Rodriguez	Zaragoza University	Mathematical modeling of inelastic effects in stress fibers
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**

LIST OF ACCEPTED POSTERS

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	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
32	P. Zihnerl	University of Ljubljana, Faculty of Mathematics and Physics, & Jozef Stefan Institute	Insights into structure of Golgi apparatus

"Tracking across scales: from single molecules to cells"

Workshop

February 16-17, 2012

Marie Curie meeting room, PRBB Building, Barcelona, Spain



PROGRAM

Thursday February 16

08:00-09:00 Registration

09:00-10:45 **James SHARPE**
CRG, Barcelona, ES

"Mapping 3D tissue movements during mammalian organogenesis"

10:45-11:00 Coffee Break

11:00-13:00 **Jan HUISKEN**
Max Planck Institute, Dresden, DE

"Real-time developmental biology with high-speed SPIM"

13:00-15:00 Lunch

15:00-17:00 **James A. GLAZIER**
Indiana University, USA

"Cell behaviors leading to the properties of tissues, organs and organisms"

Friday February 17

09:00-10:45 **Timo ZIMMERMAN**
CRG, Barcelona, ES

"Tricks for tracking: Considerations for the tracking and analysis of objects in different biological systems"

10:45-11:00 Coffee Break

11:00-13:00 **Xavier TREPAT**
Universitat de Barcelona, ES

"Using particle image velocimetry to track multicellular dynamics"

13:00-15:00 Lunch

15:00-17:00 **Erik MEIJERING**
Erasmus University Medical Center Rotterdam, NL

"Advanced Image Analysis Methods for Particle and Cell Tracking"

WORKSHOP POSTERS

Num.	Workshop: Author(s) of the poster	Institution	Workshop: poster title
01	Simone Calzolari and Cristina Pujades	Universitat Pompeu Fabra	Study of the molecular mechanisms involved in hindbrain segmentation in zebrafish
02	Ana Hocevar , Matteo Rauzi, Maria Leptin, and Primož Zihertl	Jozef Stefan Institute	Periodic three-dimensional assemblies of polyhedral lipid vesicles
03	Urška Jelerčič and Primož Zihertl	Institut Jožef Stefan	Composite contact of binary lipid membranes
04	Julio M. Belmonte , Susan D. Hester, J Scott Gens, Sherry Clendenon, James A. Glazier	Indiana University	Multi-Cell, Multi-Scale Model of Vertebrate Somitogenesis
05	Petra Stockinger , Eva Kiermaier, Jerome Solon, Manuel Mendoza	Center for Genomic Regulation (CRG), Barcelona	Biomechanics of eukaryotic chromosome condensation and segregation.
06	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
07	Natalia Czerniak , Julien Colombelli, Jerome Solon	CRG	Shaping the Drosophila brain: coordination of forces during late embryogenesis.
08	E. Spanjaard , I. Smal, I. Verlaan, E. Meijering, J. de Rooij	Hubrecht Institute	Quantitative Automated Image Analysis to investigate Focal Adhesion Dynamics
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	Murielle Saade , David Gómez Míguez, Elisa Martí Gorostiza	IBMB-CSIC	Shh activity regulates the neural stem character of neuroepithelial cells during the development of the chick neural tube
12	Alessandro Alunni , Monika Krecsmarik, Nikolay Ninov, Didier Stainier and Laure Bally-Cuif	CNRS	Notch controls neural stem cell proliferation in the adult zebrafish telencephalon
13	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> .
14	Amayra Hernández-Vega , Maria Marsal, Philippe-Alexandre Pouille and Enrique Martín-Blanco	IBMB, CSIC	Cellular mechanisms driving Zebrafish epiboly
15	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
16	Irene Gutiérrez , Jon Clarke and Elisa Martí	IBMB-CSIC	Cell autonomous in vivo analysis in Zebrafish Spinal Cord: linking Sonic Hedgehog with intrinsic mechanisms of proliferation control.
17	Sobhika Agarwala and Virginie Lecaudey	University of Freiburg - Center for Biological Signalling Studies	Role of the Amotl2a scaffolding protein during lateral line morphogenesis and migration

Oid	First Name	Last Name	Institution
-	Richard	Adams	University of Cambridge
-	Benoit	Aigouy	Max Planck Institute
55	Cecilia	Albor Parada	Institut de Biologia Molecular de Barcelona (IBMB-CSIC)
18	Rachele	Allena	ENSAM
104	Alessandro	Alunni	CNRS
19	Denis	Aubry	Ecole Centrale Paris
16	Miguel	Beato	Centre de Regulacio Genomica (CRG)
25	Yohanns	BELLAICHE	Institut CURIE
24	Elisa	Beltrán Sáez	CRG
93	monica	bonetti	hubrecht institute
78	Mattia	Bosio	UPC Barcelona Tech
124	Hristio	Boytchev	Freelance
35	Katherine	Brown	Development
41	Agustí	Brugués Ferré	IBEC
-	Miguel	Brun Usan	Genómica, bioinformática y evolución, de la UAB
9	Simone	Calzolari	Universitat Pompeu Fabra
76	Felix	Campelo	Center for Genomic Regulation (CRG)
39	Laura	Casares García	IBEC
92	Jacobo	Cela Gallego	Center for Genomic Regulation
80	Jia Ming	Chang	Centre for gene regulation, CRG, Barcelona
-	Julien	Compagnon	IST Austria
108	Vito	Conte	IBEC
68	Anton	Crombach	CRG
17	arturo	d'angelo	crg
106	Johan	De Rooij	Hubrecht Institute
119	Lambrechts	Dennis	KULeuven
114	Sabrina C.	Desbordes	CRG
95	Xavier	Diego Iñiguez	Universtitat Politècnica de Catalunya
27	Kai	Dierkes	CRG - Centre for Genomic Regulation
21	Oliver	Drechsel	CRG
97	Sylvia	Dyballa	Universitat Pompeu Fabra, Departament de Ciències Experimentals i de la Salut
123	Pedro	Farias Machado	Department of Genetics, University of Cambridge
83	Rosangela	Ferese	CSS-Mendel Istitute
33	Luyten	Frank	University Hospitals KU Leuven
-	David	Frigola	Universitat de Barcelona
63	Roland	Galgoczy	Hospital Clinic, Unitat de Biofísica y Bioenginyeria
133	Carlos	García Arques	Centro de Biología Molecular Severo Ochoa
138	Raquel	García Olivas	Center of Genomic Regulation

100	Joan	Gibert Fernandez	Vall d'Hebron Research Institute
141	Fernando	Giraldez	CEXS-UPF, PRBB
	- James A.	Glazier	Indiana University
	- Nathan W.	Goehring	Max Planck Institute
	- Marcos	González-Gaitán	University of Geneva
120	Irene	Gutiérrez Vallejo	IBMB-CSIC
64	Peran	Hayes	CRG
79	Jordi	Hernández Ribera	CRG
110	Amayra	Hernandez Vega	IBMB, CSIC
98	cristina	hidalgo-carcedo	CRG
73	Heinz	Himmelbauer	Centre for Genomic Regulation
29	Ana	Hocevar	Jozef Stefan Institute
75	astrid	hoermann	CRG
38	Esteban	Hoiyman	DEPARTMENT OF EXPERIMENTAL AND HEALTH SCIENCES, UPF
	- Jan	Huisken	Max Planck Institute
	- Marta	Ibañez	Universitat de Barcelona
26	Paul	Janmey	Univ. Pennsylvania
30	Urška	Jelerčič	Institut Jožef Stefan
81	Rob	Jelier	CRG
87	Alba	Jimenez Asins	PRBB CRG
74	eva	jimenez guri	CRG
45	Josep	Jimenez-Chillaron	Fundacio Sant Joan de Deu/ Hospital Sant Joan de Deu
67	villeneuve	julien	CRG
88	Anna	Kicheva	MRC National Institute for Medical Research
129	Adam	Klosin	CRG
113	Angela	Krueger	CRG
61	Virginie	Lecaudey	University of Freiburg - Center for Biological Signalling Studies
	- Thomas	Lecuit	IBDM
140	Ben	Lehner	CRG
44	Annalisa	Letizia	Institut de Biologia Molecular de Barcelona
50	Laura	Lleras Forero	Department of craniofacial development, King's college London
43	Marta	Llimargas	Institut de Biologia Molecular de Barcelona, CSIC
	- Horacio	López Menéndez	Zaragoza University
13	Hernán	López-Schier	CRG
117	Nuno	Luis	CRG
	- Juan Camilo	Luna	Universitat de Barcelona
136	Arrate	Mallabiarrena	Center for Genomic Regulation
54	Federica	Mangione	IBMB-CSIC
96	Luciano	Marcon	Systems Biology Unit CRG/EMBL

46	ELISA	MARTI	INSTITUTO DE BIOLOGIA MOLECULAR DE BARCELONA-CSIC
-	Alfonso	Martínez-Arias	University of Cambridge
134	Lucia	Marucci	CRG
132	Juergen	Mayer	CRG
52	Sofia	Menezes-Cabral	IBMB-CSIC
103	Nadia	Mercader	Centro Nacional de Investigaciones Cardiovasculares
32	Julio	Monti Belmonte	Indiana University
126	Jose	Munoz	Universitat Politècnica de Catalunya
128	Andreea	Munteanu	CRG - Systems Biology
94	Moratscheck	Nicola	Albert-Ludwigs-University Freiburg im Breisgau
118	anna	oddone	Institute for Photonic Sciences (ICFO)
-	David	Palau	Universitat de Barcelona
-	Ewa	Paluch	Max Planck Institute
127	Gloria	Pascual Angulo	CRG
130	irina	pavelescu	Centre de Regulacion Agrigenomica
109	Anastasios	Pavlopoulos	Max Planck Institute of Molecular Cell Biology and Genetics
-	Lukas	Pelkmans	ETH
-	Mathieu	Piel	Institut Curie
66	Aina	Pi-Roig	IBMB-CSIC
121	Philippe-Alexandre	Pouille	IBMB - CSIC
53	CARLA	PRAT-ROJO	ibmb-csic
47	Tylzanowski	Przemko	K.U.Leuven - Lab for skeletal development and joint disorders
7	Cristina	Pujades	Department of Experimental and Health Sciences, University Pompeu Fabra
90	Jesus	Pujol-Martí	Center for Genomic Regulation
60	M Angeles	Rabadán Lozano	IBMB-CSIC
77	Jelena	Raspopovic	CRG
86	Matteo	Rauzi	EMBL Heidelberg
51	Carles	Recasens Alvarez	Institute for Research in Biomedicine (IRB)
112	Kadri	Reis	crg
42	Pere	Roca-Cusachs	University of Barcelona
85	Vincent	Romeric	IBEC (Barcelona)
56	Renza	Roncarati	CRG
28	Barbara	Rotstein Bajo	IBMB-CSIC
101	Murielle	Saade	IBMB-CSIC
137	Xavier	Sanjuan Samarra	CRG/UPF Advanced Light Microscopy Unit
62	Xavier	Serra Picamal	Universitat de Barcelona / Institut de bioenginyeria de Catalunya

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10	Jerome	Solon	Center For Genomic Regulation
31	Francesca	Spagnoli	Max Debrueck Center for Molecular Medicine
82	Emma	Spanjaard	Hubrecht Institute
34	Petra	Stockinger	Center for Genomic Regulation (CRG), Barcelona
22	Angughali	Sumi	Center for Genomic Regulation (CRG)
49	Maciej	Swat	Biocomplexity Institute, Indiana University
69	Jim	Swoger	Centre for Genomic Regulation (CRG)
37	Risler	Thomas	Institut Curie, Centre de Recherche, UMR 168
-	Xavier	Trepat	Universitat de Barcelona
125	manu	uzkudun egiguren	crg
23	Hans	Van Oosterwyck	K.U.Leuven
131	Berta	Verd	CRG
-	Julien	Vermot	IGBMC
116	Isabelle	Vernos	CRG
84	Renske	Vroomans	Utrecht University
40	Andrea	Zecca	UPF
58	Primož Zihel	Zihel	University of Ljubljana, Faculty of Mathematics and Physics, & Jozef Stefan Institute
71	Natalia	Czerniak	CRG
111	Kerckhofs	Greet	KU Leuven - Prometheus, division of skeletal tissue engineering
72	maria	marsal terés	IBMB, CSIC
89	Alessandro	Mineo	Center for Genomic Regulation
91	Oriol	Viader Llargués	Center for Genomic Regulation
-	Timo	Zimmermann	CRG
-	Erik	Meijering	Erasmus University Medical Center Rotterdam