



Science Meeting – Scientific Report

The scientific report (WORD or PDF file - maximum of seven A4 pages) should be submitted online within two months of the event. It will be published on the ESF website.

Proposal Title: 6th European Cell Mechanics Meeting

Application Reference N°: 5530

1) Summary (up to one page)

The 6th European Cell Mechanics meeting (CellMech) was held in Barcelona, Spain from the 13th to the 15th of May 2015, with the generous support of Quantissue. The meeting was a major success in terms both of attendance and the scientific program. A total of 195 people registered for the meeting, of which 30 gave oral presentations and 101 presented posters. Those numbers were at the very high end of our attendance estimates, and we almost reached the absolute maximum of people that we could attend in our venue. The program included sessions on cell migration, cell-matrix interactions, the cytoskeleton, cell mechanics in disease, development, and differentiation, mechanosensing, cytoskeleton-membrane interactions, cell-cell adhesion, and new technical approaches. Further, we held a round table discussion dedicated to publishing in the mechanobiology field, with editors from the most significant journals in the field. With the financial help of Quantissue, we could invite renowned guest speakers from all around the world including Crhistopher Chen (Boston University), Alpha Yap (University of Queensland, Australia), and several European speakers. Apart from the talks given by invited speakers, most talks in oral sessions were given by students or post-docs who presented work selected from submitted abstracts. Further emphasizing the role of junior scientists, we also awarded prizes to the best short talk and poster presented by a student or post-doc. A more detailed view of the final program can be found at <http://www.ibecbarcelona.eu/events/CellMech-2015/>. Given the increasing success and attendance rates of the biennial CellMech meeting, its advisory board already decided to confirm the next edition of the meeting in 2017 in Sheffield, UK.

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

The meeting was organized in 10 scientific sessions fully covering the field of cell mechanics. The topics of each session were:

- 1) Cell Migration
- 2) Cell-matrix interaction
- 3) Cytoskeleton
- 4) Cell mechanics and disease
- 5) Mechanotransduction
- 6) Cytoskeleton-membrane interaction
- 7) Cell mechanics in development and differentiation
- 8) Cell mechanics and rheology
- 9) Cell-cell adhesion
- 10) New techniques in cell mechanics

Each scientific session comprised one 45 min keynote lecture by a renowned speaker and three 20 min presentations from contributed abstracts. There was ample time for questions and answers after each talk. Speakers presented highly innovative and usually unpublished work that contributed to lively discussions. Below is a selection of 10 Scientific Highlights of the meeting:

- 1) Matthieu Piel (Institut Curie) presented a groundbreaking analysis of how the nucleus of living cells breaks and self-repairs when migrating through small pores.
- 2) Ulrich Schwarz (University of Heidelberg) presented a new analysis of cellular dynamics using a Pott's model. The model could have very significant impact to understand mechanical functions such as cell migration and division.
- 3) Laurent Blanchoin (CEA, Grenoble) presented new data regarding the interaction of actin and myosin motors in vitro. This interaction mediates non-trivial out-of-equilibrium dynamics that might underlie muscle function in vivo.
- 4) Gisje Koenderink (FOM Institute Amolf) presented new findings regarding the organization of biopolymers in living cells. She focussed on the interaction between actin and microtubules, a poorly understood interaction.
- 5) Christopher Chen (Boston U) presented a study of cell migration in three dimensions using electrospun polymer fibers. Because these fibers are elastic and non-degradable they offer the possibility of visualizing deformations and inferring forces.
- 6) Pierre François Lenne (IBDM, France) presented his new study of cell rearrangements in epithelial tissues. He focussed on the mechanisms of junction relaxation after a T-transition. Interestingly, unlike previously thought, he showed that junction elongation after a T1 event is an active process driven by medial myosin.
- 7) Kristina Franze (Cambridge University) talked about the control of neural growth by mechanics. He analysed the mechanisms of axon bending during neural growth.

8) Ewa Paluch (University College London) presented new mechanisms of cell migration under confinement. These mechanisms are independent of the well-known crawling mechanism based on integrin adhesion.

9) Alpha Yap (Queensland University) presented a new feedback loop that controls cell contractility at cell-cell junctions. The mechanism is determined by the concentration of junctional E-cadherin.

10) Jérôme Solon (Center for Genomic Regulation) discussed the mechanisms that drive dorsal closure and head involution in *Drosophila*. His analysis unveiled new mechanisms of cell contraction independent of myosin.

Besides the discussions of new scientific findings the meeting also featured a round table with editors from the top journals in the field:

- Laurent Blanchoin Editor, Biophysical Journal
- Christopher Chen Editor, Journal of Cell Science
- Ramon Farré Editor, European Respiratory Journal
- Ewa Paluch Editor, eLife
- Pep Pàmies Editor, Nature Materials
- Alpha Yap Editor, Molecular Biology of the Cell

The editors debated on the following questions:

- Why is your journal interested in mechanobiology?
- What features do you expect of a mechanobiology-oriented paper for a successful submission to your journal?
- Do you value interdisciplinarity, or do you expect a specific focus on the core discipline of your journal?
- How do you see the current boom of mechanobiology research: the dawn of a new field or a passing fad?
- Do you think the highly interdisciplinary, theoretical, and experimental nature of mechanobiology research is correctly covered by current journals? Do you think a specific mechanobiology-oriented interdisciplinary journal would make sense?

After an initial debate between editors, the discussion was opened to the audience.

A scientific highlight of the conference was the two poster sessions, which spanned the most recent trends of this wide and multidisciplinary field. Topics included innovative experimental approaches to probe cell mechanics and visualize dynamic cellular processes, together with the development of new theoretical and numerical concepts dedicated to cell and tissue engineering.

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

The European Cell Mechanics meeting is the premier meeting in cell mechanics in Europe and possibly worldwide. Most laboratories working in the field were present, including labs from the US and Asia. As such, the impact of the meeting was very significant in several regards.

a) The most recent findings in the field were presented. Because most of these findings were unpublished at the time, the meeting represented a significant step in the progress of the field. The meeting helped shape the future directions of the field.

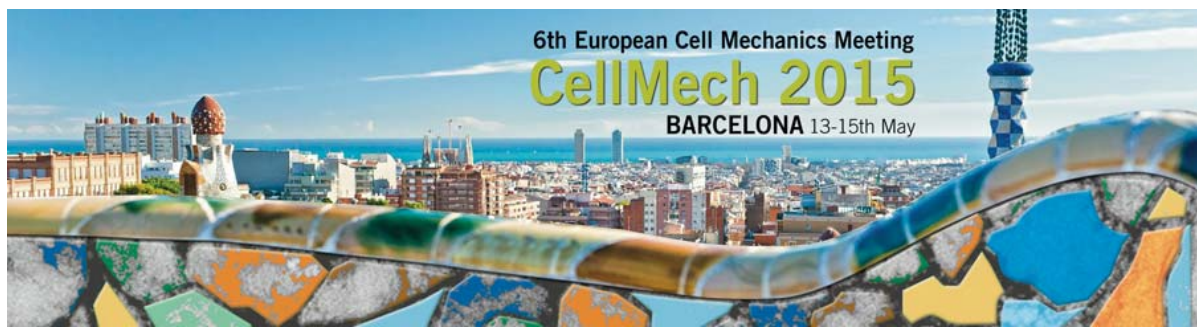
b) Most attendees were young researchers. This reflects the growing nature of the field. Many of these young researchers presented their research for the first time. Importantly, the meeting offered these researchers the opportunity to begin networking at a very early stage of their career.

c) The meeting allowed ample time for discussions between attendees. A number of collaborations were setup during these discussions.

d) Even if most attendees came from foreign countries, the meeting also allowed the local community in Cell Mechanics to improve its connection.

e) The 7th and 8th European Cell Mechanics meetings were assigned to Sheffield (September 2017) and Milan (September 2019).

4) Annexes 4a) and 4b): Programme of the meeting and full list of speakers and participants



Wednesday May 13th

- 8:00 – 8:30 Registration
- 8:30 – 9:00 Welcome
- 9:00 – 9:45 Matthieu Piel - Institute Curie, France
DEFORMATION, DAMAGE AND REPAIR OF THE CELL NUCLEUS DURING CELL MIGRATION
- 9:45 – 10:45 **S.1- CELL MIGRATION**
 Tamal Das: *A MOLECULAR MECHANOTRANSDUCTION PATHWAY REGULATES COLLECTIVE CELL MIGRATION*
 Anna Labernadie: *PHYSICAL FORCES DRIVING FIBROBLAST-LED CANCER CELL MIGRATION*
 Lena Lautscham: *STERIC HINDRANCE IN 3D MIGRATION - WHICH CELL PROPERTIES MATTER?*
- 10:45 – 11:15 Coffee break
- 11:15 – 12:00 Ulrich Schwarz - University of Heidelberg, Germany
CONTROLLING CELL SHAPE AND FORCES BY SUBSTRATE DESIGN
- 12:00 – 13:00 **S.2- CELL-MATRIX INTERACTION**
 Balcioglu Hayri Emrah: *INTEGRINS AND ASSOCIATED CELL-MATRIX ADHESION PROTEINS IN CELLULAR MECHANOTRANSDUCTION*
 Karin Jansen: *EXTRACELLULAR MATRIX MECHANICS AND IMPLICATIONS FOR CELLULAR MECHANOSENSING*
 Jorge Escribano: *3D DISCRETE MODELING OF CELL-ECM ADHESION*
- 13:00 – 14:00 Lunch / Poster Session I
- 14:00 – 14:45 Laurent Blanchoin - Institute of Life Sciences Research and Technologies (iRTSV), France
SYMMETRY AND MECHANICS OF CONTRACTILE ACTIN NETWORK
- 14:45 – 15:45 **S.3- CYTOSKELETON**
 Martial Balland: *CELL MECHANICAL COMPASS BEHAVIOR*
 Daniel Hammer: *PROTRUSIVE AND CONTRACTILE FORCES OF SPREADING HUMAN NEUTROPHILS*
 Benjamin Wolters: *MODULATING THE TEMPORAL DELAY BETWEEN CALCIUM SIGNAL AND CELL CONTRACTION IN CARDIOMYOCYTES*
- 15:45 – 16:15 Coffee break
- 16:15 – 17:00 Gijsje Koenderink - FOM Institute AMOLF, Netherlands
STRUCTURAL HIERARCHY OF PROTEIN BIOPOLYMERS LEADS TO RICH MECHANICAL BEHAVIOR
- 17:00 – 18:00 **S.4- CELL MECHANICS IN DISEASE**
 Jochen Guck: *INFLAMMATORY MECHANOSENSITIVITY IS MODULATED BY MEMBRANE RESERVOIR IN MACROPHAGES*
 Jordi Alcaraz: *ABERRANT MECHANOBIOLOGY IN LUNG CANCER ASSOCIATED FIBROBLASTS*
 Sofia Dias: *THE BEHAVIOUR OF EPITHELIAL CELL LINES EXPOSED TO LIQUID ENVIRONMENTS OF PERFLUOROCARBON: APPLICATION TO TOTAL LIQUID VENTILATION*
- 18:00 – 19:30 Poster Session I

Thursday May 14th

- 8:30 – 9:00 Registration
- 9:00 – 9:45 Christopher Chen - Boston University, USA
To be confirmed
- 9:45 – 10:45 **S.5- MECHANOSENSING**
 Rene-Marc Mège: *FORCE-DEPENDENT BINDING OF VINCULIN TO α -CATENIN CONSTITUTES THE CORE MECHANOSENSING MACHINERY OF CADHERIN ADHESIONS AND IS REQUIRED FOR COLLECTIVE CELL BEHAVIOR*
 Lorraine Montel: *ROLE OF ACTIN AND MYOCARDIN-RELATED TRANSCRIPTION FACTOR A IN THE MECHANOTRANSDUCTION OF THE MUSCLE CELL*
 Fidel Lolo: *IDENTIFYING MECHANOSENSING AND MECHANOTRANSDUCER ELEMENTS WITHIN CAVEOLAE*
- 10:45 – 11:15 Coffee break
- 11:15 – 12:00 Kristian Franze - University of Cambridge, UK
THE MECHANICAL CONTROL OF NEURONAL GROWTH IN THE DEVELOPING BRAIN

Thursday May 14th

- 12:00 – 13:00 **S.6- CYTOSKELETON-MEMBRANE INTERACTION**
 Nils Gauthier: *MEMBRANE TENSION PROVIDES THE FORCE REQUIRED FOR ADHESION POSITIONING*
 Anita Kosmalka: *PHYSICAL PRINCIPLES OF MEMBRANE REMODELLING DURING CELL MECHANOADAPTATION*
 Etienne Loiseau: *TENSION INDUCED SHAPE REGULATION OF ACTIVE CYTOSKELETAL VESICLES*
- 13:00 – 14:00 Lunch / Poster Session II
- 14:00 – 14:45 Pierre-François Lenne - Institute de Biologie du Développement de Marseille (IBDM), France
MECHANICS OF CELL-CELL CONTACTS DURING TISSUE MORPHOGENESIS
- 14:45 – 15:45 **S.7- CELL MECHANICS IN DEVELOPMENT AND DIFFERENTIATION**
 Jean-Léon Maître: *PULSATILE CELL-AUTONOMOUS CONTRACTILITY DRIVES COMPACTION IN THE MOUSE EMBRYO*
 Ronen Zaidel-Bar: *ACTIN-BUNDLING PROTEIN PLASTIN/FIMBRIN REGULATES CORTICAL CONTRACTILITY IN EARLY C. ELEGANS EMBRYOGENESIS*
 Shada Abuhatoum: *CELL MECHANICS AND FORCE GENERATION DURING ADIPOGENESIS*
- 15:45 – 16:15 Coffee break
- 16:15 – 17:15 Round table: Publishing in Mechanobiology
 Laurent Blanchoin, Associate Editor (Biophysical Journal, Cytoskeleton)
 Christopher Chen, Editor (Journal of Cell Science)
 Ramon Farre, Associate Editor (European Respiratory Journal)
 Ewa Paluch, Associate Editor (Biophysical Journal, Elife)
 Pep Pàmies, Senior Editor (Nature Materials)
 Alpha Yap, Associate Editor (Molecular Biology of the Cell, Developmental Cell, Current Biology).
- 17:15 – 18:45 Poster Session II
- 20:30 Conference Dinner – El Cangrejo Loco Restaurant (Moll de Gregal, 29-30 Port Olímpic)

Friday May 15th

- 8:30 – 9:00 Registration
- 9:00 – 9:45 Ewa Paluch - MRC Laboratory for Molecular Cell Biology, UK
ACTIN CORTEX MECHANICS IN ANIMAL CELL MORPHOGENESIS
- 9:45 - 10:45 **S.9- CELL MECHANICS AND RHEOLOGY**
 Kevin Chalut: *NUCLEAR MECHANICS AND SHAPE IN EMBRYONIC STEM CELLS EXITING PLURIPOTENCY*
 Annafrancesca Rigato: *MECHANICAL MAPPING OF CELLS CONFINED ON MICROPATTERNS BY ATOMIC FORCE MICROSCOPY*
 Wolfgang Goldmann: *BIOMECHANICAL BEHAVIOR OF MYOTUBES WITH A DESMIN R350P MUTATION*
- 10:45 – 11:15 Coffee break
- 11:15 – 12:00 Alpha Yap - University of Queensland, Australia
BUILDING ACTIVE TENSION AT CELL-CELL JUNCTIONS
- 12:00 – 13:00 **S.10- CELL-CELL ADHESION**
 Virgile Viasnoff: *3D BIOMIMETIC INTERFACES CONTROLLING CELL/CELL CONTACT MORPHOLOGIES AND CELL POLARIZATION*
 Thomas Schmidt: *OUTWARD FORCE EXERTION IN MITOSIS*
 Diego Vargas: *QUANTIFYING THE EFFECT OF INTRACELLULAR PATHWAY DYNAMICS IN INTERCELLULAR FORCES DURING COLLECTIVE MIGRATION: A MULTISCALE MODELING APPROACH*
- 13:00 – 14:00 Lunch
- 14:00 – 14:45 Jerome Solon - Centre for Genomic Regulation, Spain
CONTRACTING, SPREADING, FOLDING: HOW FORCES SHAPE BIOLOGICAL TISSUES DURING DEVELOPMENT
- 14:45 – 15:45 **S.11- NEW TECHNIQUES IN CELL MECHANICS**
 Jochen Guck: *REAL-TIME DEFORMABILITY CYTOMETRY: ON-THE FLY MECHANICAL PHENOTYPING FOR LABEL-FREE FUNCTIONAL CELL ASSAYS*
 Marcelo Salierno: *THE ROLE OF DIMENSIONALITY IN CELL MIGRATION: NEW INSIGHTS WITH NOVEL IN VITRO PLATFORMS*
 Jose Munoz: *NON-REGULARISED FINITE ELEMENT ANALYSIS FOR 3D TRACTION FORCE MICROSCOPY*
- 15:45- 16:15 Closing ceremony and Posters awards

6th EUROPEAN CELL MECHANICS MEETING ·CELLMECH 2015·
Speakers list

N	NAME	INSTITUTION	COUNTRY
1	Laurent Blanchoin	Institute of Life Sciences Research and Technologies (iRTSV)	France
2	Christopher Chen	Boston University	USA
3	Kristian Franze	University of Cambridge	UK
4	Gijsje Koenderink	FOM Institute AMOLF	Netherlands
5	Pierre-François Lenne	Institute de Biologie du Développement de Marseille (IBDM)	France
6	Satyajit Mayor	National Centre for Biological Sciences	India
7	Ewa Paluch	MRC Laboratory for Molecular Cell Biology	UK
8	Matthieu Piel	Institute Curie	France
9	Jerome Solon	Centre for Genomic Regulation	Spain
10	Ulrich Schwarz	University of Heidelberg	Germany
11	Alpha Yap	University of Queensland	Australia

6th EUROPEAN CELL MECHANICS MEETING -CELLMECH 2015-

List of participants

Name	Surname	Affiliation	Country
Jorge-Pe��as	Alvaro	KU Leuven	Belgium
Van Oosterwyck	Hans	KU Leuven	Belgium
Bart	Smeets	KU Leuven	Belgium
Heck	Tommy	KU Leuven	Belgium
Izquierdo-Alvarez	Alicia	KU Leuven	Belgium
lantoine	josephine	Universit� de Mons (Umons)	Belgium
danahe	mohammed	Universit� de Mons (Umons)	Belgium
Maryam	Riaz	University of Mons	Belgium
Geitmann	Anja	University of Montreal	Canada
Martinez	Karen	University of Copenhagen	Denmark
C�cile	GAUTHIER-ROUVIERE	CNRS - CRBM	Finland
Ga�lle	Letort	CEA	France
hajer	ennomani	CEA/DSV/iRTSV/PCV	France
Alameddine	Ranime	CINAM (centre interdisciplinaire de nanoscience a Marseille)	France
Dolega	Monika	CNRS, Laboratoire Interdisciplinaire de Physique	France
martial	Balland	CNRS/ Grenoble University	France
Streppa	Laura	ENS Lyon, Laboratory of physics	France
Dias	Sofia	Inserm	France
Rico	Felix	INSERM & Aix-Marseille Universit�	France
puech	pierre-henri	INSERM u1067 / cnrs umr7333	France
ANAIS	SADOUN	INSERM U1067 CNRS UMR 7333	France
Sophie	Fereol	INSERM U955 IMRB, Team 6 University-UPEC	France
Rigato	Annafrancesca	INSERM/Aix-Marseille Universit�	France
Redouane	Fodil	INSERM-U955,IMRB, Team 6, University-UPEC	France
SUNDAR RAJAN	Vinoth Edal Joseph	Institut Albert Bonniot	France
Fabien	Bertillot	Institut Curie	France
Saitakis	Michael	Institut Curie - Centre de Recherche	France
Proag	Amsha	Institut de Pharmacologie et de Biologie Structurale	France
Simon	Begnaud	Institut Jacques Monod	France
Estelle	GAUQUELIN	Institut Jacques Monod	France
Mege	Rene-Marc	Institut Jacques Monod	France
mandal	Kalpana	Institute Curie	France
Cecile	Bidan	Laboratoire Indisciplinaire de Physique	France
Richard	DE METS	Laboratoire Interdisciplinaire de Physique de Grenoble	France
Hennig	Katharina	Laboratoire interdisciplinaire de Physique, Grenoble	France
tili	sham	Laboratoire Mati�re et Syst�mes Complexes	France
Arnaud	Ambrosini	LBCMCP	France
Magali	Suzanne	LBCMCP, Universit� Toulouse III	France
Wallis	Nahaboo	LBMC, ENS Lyon	France
Aur�lie	Dupont	LIPhy / UJF	France
Vitiello	Elisa	LIPhy / UJF	France
Foffano	Giulia	LPTMS, Universit� Paris-Sud	France
Pereira	David	Mati�re et Syst�mes Complexes, Epigenetics & Cell Fate	France
Gay	Cyprien	Matiere et Systemes Complexes, UMR7057, CNRS, Universite Paris Diderot	France
Jessica	Planade	Physique et M�canique des Milieux H�t�rog�nes - ESPCI ParisTech	France
Montel	Lorraine	Universit� Paris Diderot	France
Casanellas	Laura	Universit� Paris-Diderot	France
Datar	Anagha	BIOTEC, TU Dresden	Germany
M�llmert	Stephanie	BIOTEC, TU Dresden	Germany
Rosendahl	Philipp	BIOTEC, TU Dresden	Germany
Chan	Chii Jou	Biotechnology Center, Technische Universit�t Dresden	Germany
Dulebo	Alexander	Bruker Nano Surfaces Division	Germany
Jean-L�on	Ma�tre	EMBL	Germany
Herve	Turlier	European Molecular Biology Laboratory	Germany
Richard	Gerum	FAU Erlangen	Germany
Benjamin	Wolters	Forschungszentrum Juelich	Germany
Wolfgang	Rubner	Forschungszentrum J�lich	Germany
Noetzel-Reiss	Erik	Forschungszentrum J�lich	Germany
Bernd	Hoffmann	Forschungszentrum J�lich	Germany
Thievessen	Ingo	Friedrich-Alexander University of Erlangen-Nuremberg	Germany
Paul	Patrick	Institute for Experimental Physics, Ulm University	Germany
Albert	Philipp	Institute for Theoretical Physics	Germany
Engelke	Hanna	Ludwig-Maximilians-University	Germany
del Campo	Aranzazu	Max Planck Institut f�r Polymerforschung	Germany
Guasch	Judith	Max Planck Institute for Intelligent Systems	Germany
Das	Tamal	Max Planck Institute for Intelligent Systems	Germany
Pham	Jonathan	Max Planck Institute for Polymer Research	Germany
Salierno	Marcelo	Max Planck Institute for Polymer Research	Germany
Ehrig	Sebastian	Max Planck Institute of Colloids and Interfaces	Germany
Landau	Linat	Max-Planck-Institut f�r Kolloid- und Grenzfl�chenforschung	Germany
Wiegand	Tina	Max-Planck-Institute for Intelligent Systems	Germany
Stange	Roland	RS Zelltechnik GmbH	Germany

Guck	Jochen	Technische Universität Dresden	Germany
Loiseau	Etienne	Technische Universität München	Germany
Keber	Felix	Technische Universität München	Germany
Middelkoop	Teije	TU Dresden / BIOTEC	Germany
Marina	Spörrer	University Erlangen-Nuremberg	Germany
Janina	Lange	University of Erlangen-Nuremberg	Germany
Goldmann	Wolfgang	University of Erlangen-Nuremberg	Germany
Lena	Lautscham	University of Erlangen-Nuremberg	Germany
Mark	Christoph	University of Erlangen-Nuremberg	Germany
S S	Soumya	Indian Institute of Technology Bombay	India
Nitsan	Ido	Technion	Israel
Tzllil	Shelly	Technion	Israel
Massalha	Sonbula	Technion	Israel
Abuhattoum	Shada	Technion-Israel Institute of Technology	Israel
Cohen	Ohad	Weizmann Institute of Science	Israel
XU	Xinpeng	Weizmann Institute of Science	Israel
Soloperto	Alessandro	Fondazione Istituto Italiano di Tecnologia	Italy
Schmitz	Manuel	Move Research Institute Amsterdam, VU Medical Center Amsterdam	Netherlands
Eslami Amirabadi	Hossein	Eindhoven University of Technology	Netherlands
Mauretti	Arianna	Eindhoven University of Technology	Netherlands
Vrusch	Cyril	Eindhoven University of Technology	Netherlands
Jansen	Karin	FOM	Netherlands
Kurniawan	Nicholas	FOM Institute AMOLF	Netherlands
Balcioglu	Hayri Emrah	Leiden University	Netherlands
Schmidt	Thomas	Leiden University	Netherlands
Cambi	Alessandra	Radboudumc, RIMLS	Netherlands
Buskermolen	Gitta	University of Technology Eindhoven	Netherlands
Werner	Maike	University of Technology Eindhoven	Netherlands
Nelemans	Ben	VU Medical Center	Netherlands
Nils	Gauthier	Mechanobiology Institute Singapore	Singapore
Gupta	Mukund	Mechanobiology Institute (MBI)	Singapore
Zaidel-Bar	Ronen	National University of Singapore	Singapore
virgile	Viasnoff	National University of Singapore	Singapore
Zemljic Jokhadar	Spela	University of Ljubljana	Slovenia
Lolo	Fidel	CNIC	Spain
Plaza	Gustavo	Universidad Politécnica de Madrid	Spain
Kosmalska	Anita	Institute for Bioengineering of Catalonia (IBEC)	Spain
Sunyer	Raimon	Institute for Bioengineering of Catalonia (IBEC)	Spain
Oria	Roger	Institute for Bioengineering of Catalonia (IBEC)	Spain
Garcia	Simon	Institute for Bioengineering of Catalonia (IBEC)	Spain
Reagh	Justin	Institute for Bioengineering of Catalonia (IBEC)	Spain
Casares	Laura	Institute for Bioengineering of Catalonia (IBEC)	Spain
Léo	Valon	Institute for Bioengineering of Catalonia (IBEC)	Spain
Anna	Labernadie	Institute for Bioengineering of Catalonia (IBEC)	Spain
Sosa Costa	Alberto	The Institute of Photonic Sciences (ICFO)	Spain
Moreno-Arotzena	Oihana	Univ. of Zaragoza	Spain
CÃ³ndor	Mar	Universidad de Zaragoza - I3A	Spain
Casademunt	Jaume	Univeristat de Barcelona	Spain
Munoz-Barrutia	Arrate	Universidad Carlos III de Madrid	Spain
Garcia Aznar	Jose Manuel	Universidad de Zaragoza	Spain
Munoz	Jose	Universitat Politècnica de Catalunya (UPC)	Spain
Arroyo	Marino	Universitat Politècnica de Catalunya (UPC)	Spain
Hoijsman	Esteban	Universitat Pompeu Fabra	Spain
Almendros	Isaac	University of Barcelona (UB)	Spain
Alcaraz	Jordi	University of Barcelona	Spain
Alert	Ricard	University of Barcelona	Spain
Valero	Clara	University of Zaragoza	Spain
Escribano	Jorge	University of Zaragoza	Spain
Labouesse	Celine	Ecole Polytechnique Fédérale de Lausanne	Switzerland
Franck	Raynaud	Ecole Polytechnique Fédérale de Lausanne	Switzerland
Gabella	Chiara	EPFL / LCB Laboratoire de Biophysique Cellulaire	Switzerland
Iskratsch	Thomas	King's College London	United Kingdom
Pillai	Eva	University	United Kingdom
Gautier	Helene	University	United Kingdom
Liehm	Philipp	University	United Kingdom
Tozluoglu	Melda	University College London	United Kingdom
Redmann	Anna-Lena	University of Cambridge	United Kingdom
Lars	Bollmann	University of Cambridge	United Kingdom
Chalut	Kevin	University of Cambridge	United Kingdom
Jakobs	Maximilian	University of Cambridge	United Kingdom
Foster	Sarah	University of Cambridge	United Kingdom
Chim	Ya Hua	University of Glasgow	United Kingdom
Parker	Lindsey	University of Leeds	United Kingdom
Fruleux	Antoine	University of Sheffield	United Kingdom
Perrault	Cecile	University of Sheffield, INSIGNEO Institute for in silico medicine	United Kingdom
Wittkowske	Claudia	University of Sheffield, INSIGNEO Institute for in silico medicine	United Kingdom

Gather	Malte	University of St Andrews	United Kingdom
Lidke	Diane	University of New Mexico	United States
Hammer	Daniel	University of Pennsylvania	United States
Vargas	Diego	Boston University	USA
Trepap	Xavier	ICREA - Institute for Bioengineering of Catalonia (IBEC)	Spain
Roca-Cusachs	Pere	Universitat de Barcelona (UB) - Institute for Bioengineering of Catalonia (IBEC)	Spain
Navajas	Daniel	Universitat de Barcelona (UB) - Institute for Bioengineering of Catalonia (IBEC)	Spain
Almendros	Isaac	Facultat de Medicina, Universitat de Barcelona	Spain
Gabasa	Marta	Facultat de Medicina, Universitat de Barcelona	Spain
Nonaka	Paula	Facultat de Medicina, Universitat de Barcelona	Spain
Oliveira	Vinicius	Facultat de Medicina, Universitat de Barcelona	Spain
Pérez	Carlos	Institute for Bioengineering of Catalonia (IBEC)	Spain
Ureña	Carlos	Institute for Bioengineering of Catalonia (IBEC)	Spain
Zalvidea	Dobryna	Institute for Bioengineering of Catalonia (IBEC)	Spain
Quer	Eduard	Institute for Bioengineering of Catalonia (IBEC)	Spain
Jorba	Ignasi	Institute for Bioengineering of Catalonia (IBEC)	Spain
Jiménez	Manuel	Institute for Bioengineering of Catalonia (IBEC)	Spain
Uroz	Marina	Institute for Bioengineering of Catalonia (IBEC)	Spain
Castro	Natalia	Institute for Bioengineering of Catalonia (IBEC)	Spain
Campillo	Noelia	Institute for Bioengineering of Catalonia (IBEC)	Spain
Rodríguez	Pilar	Institute for Bioengineering of Catalonia (IBEC)	Spain
Vincent	Romarc	Institute for Bioengineering of Catalonia (IBEC)	Spain
González	Víctor	Institute for Bioengineering of Catalonia (IBEC)	Spain
Conte	Vito	Institute for Bioengineering of Catalonia (IBEC)	Spain
Brugués	Agustí	Institute for Bioengineering of Catalonia (IBEC)	Spain
Daniel	ISABEY	Inserm - CNRS - University Paris Est	France
François	GALLET	MSC - University Paris Diderot	France
HENON	Sylvie	University Paris Diderot	France
Fabry	Ben	Erlangen University	Germany
Merkel	Rudolf	Forschungszentrum Jülich and University of Bonn	Germany
Cotun	Alina	Alho Congres	Spain
YAP	ALPHA	University of Queensland	Australia
PIEL	MATTHIEU	Institute Curie	France
LENNE	PIERRE-FRANÇOIS	Institute de Biologie du Développement de Marseille (IBDM)	France
Blanchoin	Laurent	Institute of Life Sciences Research and Technologies (IRTSV)	France
Schwarz	Ulrich	Heidelberg University	Germany
MAYOR	SATYAIT	National Centre for Biological Sciences	India
KOENDERINK	GISJE	FOM Institute AMOLF	Netherlands
SOLOON	JERÔME	Centre for Genomic Regulation	Spain
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