

V WORKSHOP
MECHANISMS OF CELL ADHESION, MIGRATION AND
INVASION

October 24, 2017

8:30 h Registration

8:45 h Welcome

Jaime Millán (CBMSO)/ Pedro M. Fernández (UEX)

9:00-9:50 Invited Conference

Chairs: Jaime Millán (CBMSO) and Pedro M. Fernández (UEX)

"Cell mechanoadaptation: caveolae mechanobiology and tissue biomechanics"

Miguel A. del Pozo (CNIC)

Charla patrocinada por Izasa Scientific

SESSION I

Chair: Isabel Fabregat (IDIBELL)

9:50-10:15

"Myosin II activation as a hallmark and a vulnerability in melanoma cross-resistance"

Jose L Orgaz, Maria Romina Girotti , Eva Crosas-Molist, Anna Perdrix, Silvia Mele, Irene Rodriguez-Hernandez, Mirella Georgouli, Victoria Bridgeman, Panagiotis Karagiannis, Pahini Pandya, Gaia Cantelli, Lena Boehme, Matthew Smith, Gabriela Gremel, Rebecca Lee, Elena Galvani, Franziska Baenke, Frank O Nestle, Paul Lorigan, Fredrik Wallberg, Amaya Viros, Ilaria Malanchi, Sophia N Karagiannis, Richard Marais, Victoria Sanz-Moreno (King's College)

10:15-10:40

"Tyrosine phosphorylation of the myosin regulatory light chain controls non-muscle myosin II assembly, adhesion dynamics and migratory polarity"

Rocío Aguilar-Cuenca, Clara Llorente-González, Jessica R. Chapman, Vanessa C. Talayero, Donald F. Hunt, and Miguel Vicente-Manzanares (IBMC-USAL)

10:40-11:10 Coffee break

SESSION II

Chair: Joaquín Teixidó (CIB)

11:10-11:35

“Nuclear changes induced by cell receptors in migrating leukemic cells”

Elena Madrazo, Andrea Cordero Conde, Javier Redondo-Muñoz (UCM)

11:35-12:00

“Novel roles of MMP-9 contributing to chronic lymphocytic leukemia pathology”

Noemí Aguilera-Montilla, Alejandra Gutiérrez-González, Elvira Bailón, Estefanía Ugarte-Berzal, Rebeca Uceda Castro, Lara García Campillo, and Angeles García Pardo (CIB)

12:00-12:25

“Membrane metalloproteinases regulation by insertion into microdomains and extracellular vesicles”

Henar Suarez, Soraya López-Martín and María Yáñez-Mó (CBMSO)

12:25-13:50 Lunch

SESSION III

Chair: Victoria Sanz-Moreno (King's College)

13:50-14:15

“Bruton's tyrosine kinase determines antigen-triggered B cell activation by regulating antigen aggregation and immune synapse assembly”

Sara Roman-Garcia, Sofia R. Gardeta, Sara V. Merino-Cortes, Luis M. Allende, Luis I. Gonzalez-Granado and Yolanda R. Carrasco (CNB)

14:15-14:40

“ICAP-1 inhibits $\alpha 4 \beta 1$ integrin-dependent cell adhesion”

Silvia Sevilla-Movilla, Nohemí Arellano-Sánchez, Soledad Isern de Val, Sofía R. Gardeta, Yolanda Carrasco and Joaquin Teixidó (CIB)

14:40-15:05

“The actin-microtubule cross-linker short-stop interacts with the planar cell polarity signaling pathway”

Sergio Garrido-Jimenez, Sonia M. Mulero-Navarro and José M. Carvajal-Gonzalez (UEX)

15:05-15:30

“A role for podoplanin-CD44 interaction in carcinoma cell invasion”

Lucía Montero-Montero, Ramírez A, Mariam Shamhood, Jaime Renart, Miguel Quintanilla and Ester Martín-Villar (IIB)

15:30-15:55 Coffee break

SESSION IV

Chair: Javier Redondo (UCM)

15:55-16:20

“Crosstalk between TGF- β -induced Epithelial-Mesenchymal transition and stemness in hepatocellular carcinoma”

Andrea Malfettone, Jitka Soukupova, Esther Bertran, Eva Crosas-Molist, Raquel Lastra, Joan Fernando, Petra Koudelkova, Bhavna Rani, Ángels Fabra, Teresa Serrano, Emilio Ramos, Wolfgang Mikulits, Gianluigi Giannelli, Isabel Fabregat (IDIBELL)

16:20-16:45

“Regulatory role of Met-driven pathway on TGF- α -induced EMT in oval cells”

Laura Almalé, María García-Álvaro, Adoración Martínez-Palacián, Nerea Lazcanoiturburu, Annalisa Addante, César Roncero, Margarita Fernández, Eduardo Rial, Isabel Fabregat, Blanca Herrera and Aránzazu Sánchez (UCM)

16:45-17:10

“Small Rho GTPases in neuroblastoma progression”

Francisco M. Vega (IBIS)

17:10-17:35

“IL13R α 2 requires PTPN1 and FAM120A to promote cancer metastasis and progression”

Rubén A. Bartolomé, Sofía Torres, Irina V. Balyasnikova and J. Ignacio Casal (CIB)

17:35-18:00

“WIP (WASP Interacting Protein) participates in the oncogenic cascade mediated by mutated p53 and YAP/TAZ transcriptional regulators”

Ricardo Gargini, Maribel Escoll, Francisco Wandosell and Inés M. Antón (CNB-CIBERNED)