

CHILEAN SOCIETY FOR CELL BIOLOGY
2020 Colloquium Series in Cell Biology
December 1st – 3rd, 2020

TUESDAY, DECEMBER 1st, 2020

10:45 **Opening Remarks**

Chair: Juan Pablo Henríquez, SBCCh President

11:00 – 13:00 **Colloquium 1**

“Forces, adhesion and cell/tissue dynamics in development and transforming systems”

Chairs: Miguel Concha, Cristina Bertocchi, Andrea Ravasio

. “Functional integration of mechano-molecular force by multiscale adaptive mechanisms”

Andrea Ravasio, IIBM, Pontificia Universidad Católica de Chile.

. “Mechanical dragging as a mechanism of collective cell locomotion in embryo development.

Miguel Concha, ICBM, Universidad de Chile.

. “The nucleus as a mechano-controller of dynamic cell behaviour“

Verena Ruprecht, Centre of Genomics Regulation, Barcelona, Spain.

. “Mechanical signals generated at the interface between membrane and cytoskeleton during tumor-associated biological events”

Nils Gauthier, Istituto FIRC di Oncologia Molecolare, Milan, Italy.

13:30 – 14:30 **Plenary Lecture 1**

“Beyond Cell Biology: how mechanical and chemical cues interplay during supracellular migration”

Roberto Mayor, Department of Cell and Developmental Biology, University College London, UK.

WEDNESDAY, DECEMBER 2nd, 2020

11:00 – 13:00 **Colloquium 2**

“Mitochondrial Integrated Dynamics”

Chair: Verónica Eisner, Valentina Parra

. “The spatio-temporal dynamics of mitochondrial ATP synthase”

Karin Busch, University of Münster, Germany.

. “How many actors and physiological roles are for Mitophagy?”

Álvaro Elorza, Universidad Andrés Bello, Chile.

. “System Biology Approach of the Down Syndrome Critical Region 1 Gene, Rcan1: Implications in mitochondrial biology, cellular proliferation and differentiation”

Valentina Parra, Universidad de Chile, Chile.

. “Does size matter for mitochondria within a cell?”

Alicia Kowaltowski, University of Sao Paulo, Brazil.

13:30 – 14:30 **Plenary Lecture 2**

“Mitochondrial communication”

György Hajnóczky, Thomas Jefferson University, Philadelphia, PA, USA.

THURSDAY, DECEMBER 3rd, 2020

12:00 – 13:00 **Plenary Lecture 3**

“Heritable memories”

Oded Rechavi, Tel-Aviv University, Tel-Aviv, Israel.

14:30 – 16:30 **Coloquio “Sociedad de Biología Celular de Chile”**

“Espacios para la Ciencia en la Nueva Constitución”

Moderador: Juan Pablo Henríquez

Olga Barbosa, Seremi Macrozona Sur Ministerio CTCI, Valdivia, Chile.

Gabriel León, Centro para la Comunicación de la Ciencia, UNAB, Santiago, Chile.

Maisa Rojas, Universidad de Chile, Santiago, Chile.