

**CHILEAN SOCIETY FOR CELL BIOLOGY
XXXIV ANNUAL MEETING**

**DECEMBER 12-16, 2022
PUERTO VARAS**

**P R E L I M I N A R Y
P R O G R A M**

MONDAY, DECEMBER 12, 2022

09:00 – 13:30 REGISTRATION
Convention Center Foyer

12:00 – 13:00 TECHNICAL LECTURES
Calbuco Room

13:30 – 15:00 Lunch

15:00 – 16:30 OPENING REMARKS
Volcanes Room
Chair: Lorena Varela-Nallar, SBCCH President.

PLENARY LECTURE “FEDERICO LEIGHTON PUGA”
FUNDACION CHILENA PARA BIOLOGIA CELULAR
Chair: Maria Paz Marzolo, P. Universidad Católica de Chile

ROLE OF LYSOSOMES IN THE MAINTENANCE OF AXONAL STRUCTURE AND FUNCTION; IMPLICATIONS IN NEURODEVELOPMENTAL AND NEURODEGENERATIVE DISORDERS. Juan S. Bonifacino, Neurosciences and Cellular and Structural Biology Division (NCSBD); Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD); National Institutes of Health (NIH), USA.

16:30 – 17:00 Coffee Break
Convention Center Foyer

17:00 – 19:00 SYMPOSIUM “HEALTHY AND PATHOLOGICAL BRAIN AGING, COGNITIVE IMPAIRMENT, AND THERAPEUTIC INTERVENTIONS”.
Volcanes Room
Chair: Felipe Court and Macarena Arrázola, U. Mayor

GEROPROTECTIVE STRATEGIES TO SLOW BRAIN AGING AND AGE-ASSOCIATED PATHOLOGIES IN THE CENTRAL NERVOUS SYSTEM. Felipe Court, Universidad Mayor.

TREATMENT STRATEGIES TO REVERSE COGNITIVE DECLINE AFTER BRAIN INJURY AND AGING. Susanna Rossi, University of California.

NECROPTOSIS INHIBITION AS A THERAPEUTIC TARGET TO HALT THE PROGRESSION OF BRAIN AGING AND COGNITIVE IMPAIRMENT. Macarena S. Arrázola, Universidad Mayor.

SYNAPTIC MITOCHONDRIA AND THEIR CONTRIBUTION TO HIPPOCAMPAL-DEPENDENT MEMORY LOSS IN AGING. POTENTIAL TREATMENTS. Cheril Tapia-Rojas, Universidad San Sebastián y Centro Basal Ciencia & Vida.

19:15 – 20:30 ORAL PRESENTATIONS I
Volcanes Room

21:00 Dinner

TUESDAY, DECEMBER 13, 2022

08:00 POSTER MOUNTING SESSION I
Convention Center Foyer

09:00 – 10:30 ORAL PRESENTATIONS II
Volcanes Room

10:30 – 12:00 POSTER VIEWING SESSION I
Convention Center Foyer

12:00 – 13:00 PLENARY LECTURE
Volcanes Room
Chair: Andrea Soza, Facultad de Medicina, Universidad San Sebastián

HOW CELLS DEFEND AGAINST INVASIVE BACTERIA: LPS-UBIQUITYLATION AND OTHER TRICKS. Felix Randow, University of Cambridge, UK.

13:00 – 15:00 Lunch

15:00 – 17:00 SYMPOSIUM “CELL TYPES, TISSUES AND DEVELOPMENTAL PROCESSES: LESSONS FROM GENOMES, PHENOMS AND SHAPES”.
Volcanes Room
Chair: Felipe Aguilera, Marcela Torrejón, Juan Pablo Henríquez, Universidad de Concepción.

EMERGING MODEL SYSTEMS TO UNDERSTAND MESODERM DIFFERENTIATION INTO CELL TYPES. Felipe Aguilera, University of Concepcion.

MATERNALLY CONTROLLED OOCYTE-TO-EMBRYO TRANSITION. Ricardo Fuentes, University of Concepcion

CALCIUM CHANNEL ROLE AT FERTILIZATION: MYTHS AND TRUTHS OF AN EXCITABLE EGG. Ingrid Carvacho, Universidad Católica del Maule.

ORDER IN THE CHAOS: HOW CELLS SHAPE LIVER TISSUE. Fabián Segovia, University of Concepción.

17:30 – 19:00 POSTER VIEWING SESSION I
Convention Center Foyer

19:00 – 20:00 PLENARY LECTURE “LUIS IZQUIERDO FERNANDEZ”
SOCIEDAD DE BIOLOGIA CELULAR DE CHILE
Volcanes Room
Chairs: Lorena Varela-Nallar, SBCCH President.
Carmen Gloria Feijóo, Universidad Andrés Bello.

UNA CARRERA SALPICADA DE ALETAZOS Y CABEZAS DE PESCADO. Miguel Allende, Facultad de Ciencias, Universidad de Chile.

20:30 Dinner

WEDNESDAY, DECEMBER 14, 2022

08:00 POSTER MOUNTING SESSION II
Convention Center Foyer

09:00 – 10:30 ORAL PRESENTATIONS III
Volcanes Room

10:30 – 12:00 POSTER VIEWING SESSION II
Convention Center Foyer

12:00 -13:00 PLENARY LECTURE
EUROPEAN MOLECULAR BIOLOGY ORGANIZATION (EMBO)
Volcanes Room
Chair: Felipe Barros, Centro de Estudios Científicos del Sur

ENDOCANNABINOIDS AND NEUROADAPTATION. Giovanni Marsicano, Université de Bordeaux, France.

13:00 – 14:30 Lunch

14:30 – 16:30 “EARLY CAREER SYMPOSIUM”
SOCIEDAD DE BIOLOGIA CELULAR DE CHILE
Volcanes Room
Chair: Manuel Varas, Universidad San Sebastián

ROLE OF THE PRIMARY CILIUM IN HYPOTHALAMIC NEURONS: IMPACT IN AUTOPHAGY AND INFLAMMATION. Eugenia Morselli, Facultad de Medicina, Universidad San Sebastián.

MODULATION OF ADAPTIVE IMMUNITY BY USING LOW-COST TOOLS BASED ON THE STIMULATION OF NATURAL KILLER T CELLS. Leandro Carreño, Facultad de Medicina, Universidad de Chile.

JUST LIKE YOUR FAVORITE PROTEIN: CONTROL OF GENE EXPRESSION MEDIATED BY LONG NON-CODING RNAs. Rodrigo Aguilar, Universidad Nacional Andrés Bello.

IMMUNOMODULATION OF CD4 T CELLS IN ORAL CANCER. Estefanía Nova-Lamperti, Universidad de Concepción.

16:45 – 17:30 PLENARY LECTURE
Volcanes Room
Chair: Alejandra Alvarez, P. Universidad Católica de Chile

FUNCTIONAL IMPACT OF NEURODEVELOPMENTAL DISORDER-RELATED VARIANTS IN *TRIO*. Tony Koleske, Yale School of Medicine, USA.

17:30 – 19:00 POSTER VIEWING SESSION II
Convention Center Foyer

- 19:00 – 20:00 BEST THESES AWARDS “FUNDACION CHILENA PARA BIOLOGIA CELULAR”**
Volcanes Room
Chairs: Arturo Yudelevich, Fundacion Chilena para Biologia Celular
Lorena Varela-Nallar, SBCCH President
- 20:00 SOCIETY MEMBERS MEETING**
- 21:00 Dinner**

THURSDAY, DECEMBER 15, 2022

- 08:00 POSTER MOUNTING SESSION III**
Convention Center Foyer
- 09:00 – 10:30 ORAL PRESENTATIONS IV**
Calbuco Room
- 10:30 – 11:30 PLENARY LECTURE**
SOCIEDAD DE BIOLOGIA CELULAR DE CHILE
Volcanes Room
Chair: Marcela Torrejón, Universidad de Concepción
- INTERPLAY BETWEEN MECHANICAL AND CHEMICAL CUES THAT SQUEEZE THE FACE INTO SHAPE. Roberto Mayor, University College London, UK.**
- 11:30 – 13:00 POSTER VIEWING SESSION III**
Convention Center Foyer
- 13:00 – 14:30 Lunch**
- 14:45 – 16:00 YOUNG SCIENTIST AWARD - GRUPO BIOS AND SBCCH**
Volcanes Room
Chairs: Arturo Yudelevich, Grupo Bios
Lorena Varela-Nallar, SBCCH President
- TODAY’S SCIENCE FICTION/TOMORROW’S SCIENCE: MOVING FROM ENDOSYMBIOTIC THEORY TO MITOCHONDRIAL THERAPY. Maroun Khoury, Universidad de los Andes**
- 16:00 – 17:30 POSTER VIEWING SESSION III**
Convention Center Foyer
- 17:30 – 18:30 CLOSING PLENARY LECTURE “SOCIEDAD DE BIOLOGIA CELULAR DE CHILE”**
Volcanes Room
Chair: Lorena Varela-Nallar, SBCCH President
- TRAVESIA AL INFRAMUNDO: EXPLORANDO LA BIOLOGIA DE LA FOSA DE ATACAMA. Oswaldo Ulloa, Universidad de Concepción.**
- 18:30 – 20.00 AWARDS CEREMONY**
Volcanes Room

BEST IMAGES IN CELL BIOLOGY BY NIKON & LONCOTEC

BEST ORAL PRE AND POSTGRADUATE COMMUNICATIONS BY GENEXPRESS

20:30

Dinner