



Program
XLVIII Annual Meeting
Chilean Society for Biochemistry and
Molecular Biology

2025

6th - 9th October
Hotel Club, La Serena, Región de Coquimbo



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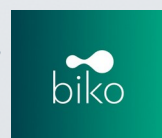
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SCIENTIFIC PROGRAM

XLVIII Anual Meeting Sociedad de Bioquímica y Biología Molecular de Chile
October 6-9, 2025, Hotel Club La Serena, Región de Coquimbo

Monday, October 6th

10:00-14:30 Registration

14:30-15:15 New Members Session

Chairs: Martin Montecino and Valentina Parra.

14:30 The mitochondria protease ClpP participates in VSMCs differentiation and modulates vascular diseases. María Alejandra San Martín, Instituto de Ciencias Biomédicas, Universidad Andrés Bello.

14:45 DNA and histone modifications prevent heterochromatin dysfunction and reactivation of transposable elements (TEs) through different epigenetic mechanisms. Hugo Sepúlveda, Instituto de Ciencias Biomédicas, Universidad Andrés Bello.

15:00 *ARID1A* as a potential key regulator of tumor progression and treatment response in gallbladder cancer. José I Erices, Departamento de Oncología Básico Clínico, Facultad de Medicina, Universidad de Chile,

15:15-17:15 Symposium 1: “Molecular basis for microbial pathogenesis and immunity”

Chair: Pablo González, Pontificia Universidad Católica de Chile

The two faces of senescence: Aging and its Role in Bacterial Virulence Factors. Mónica Cáceres, Institute of Biomedical Sciences (ICBM), Faculty of Medicine, Universidad de Chile, Santiago, Chile.

Deciphering the molecular mechanisms of HIV-1-induced immune activation in human microglia. Ricardo Soto-Rifo, Laboratory of Molecular and Cellular Virology, Institute of Biomedical Sciences, Faculty of Medicine, Universidad de Chile, Santiago, Chile.

Salmonella in a One Health context: a genomic approach to understanding the molecular basis of emerging Salmonella serotypes of public health importance. Andrea I Moreno Switt, Escuela de Medicina Veterinaria, Pontificia Universidad Católica de Chile.

Post-transcriptional regulation of viral gene expression by host RNA-binding proteins. Marcelo López-Lastra, Departamento de Enfermedades Infecciosas e Inmunología Pediátrica, Escuela de Medicina, Pontificia Universidad Católica de Chile, Chile.

17:15-17:45 Coffee Break

17:45-18:45 IUBMB Opening Lecture

Chair: Valentina Parra, Vice President SBBMCH

From Bench to Bedside: The Transformative Power of Induced Pluripotent Stem Cells. Ángel Raya, MD/PhD; ICREA Research Professor at the Bellvitge Biomedical Research Institute

(IDIBELL); Director, Program for Clinical Translation of Regenerative Medicine in Catalonia (P-CMR[C]); Group Leader at CIBER-BBN; Full Professor at the Department of Physiology, University of Barcelona.

18:45-19:15 Herman Niemeyer Medal
Chair: Roxana Pincheira, Past-president SBBMCH

19:15-20:15 Tito Ureta Prize awarded to Dr. Ilena Concha
Chair: Martin Montecino, President SBBMCH

20:15-22:00 Welcome Dinner (Included)

Tuesday, October 7th

8:30-9:00 Poster mounting (1-56)

9:00-11:00 Symposium 2: "Molecular Motion meets function: Insights from Structural Dynamics"
Chairs: Víctor Castro-Fernández and Exequiel Medina G.

Frustrated Flexibility Shapes the Dynamics of Calmodulin Trapping. Hugo Sanabria, Physics and Astronomy, Clemson University, USA.

Disordered DNA-Binding Proteins: Structural Dynamics in Gene Regulation. Exequiel Medina G., Departamento de Bioquímica y Biología Molecular, Facultad de Ciencias Químicas y Farmacéuticas. Universidad de Chile. Santiago, Chile.

AlphaFold2 effectively classifies the functional diversity in a protein family. Pablo Galaz-Davison, Center for Bioinformatics Simulation and Modeling, Universidad de Talca, Talca, Chile.

The Role of Conformational Dynamics in the allosteric regulation of PFK/GK enzymes of methanogenic archaea. Sixto Morales Herrera, Laboratorio de Bioquímica y Biología Molecular, Departamento de Biología, Facultad de Ciencias, Universidad de Chile, Santiago, Chile.

11:00-11:30 Coffee Break and poster viewing

11:30-13:30 Symposium 3: "Basic Science and Biotechnology a tribute to Luis Burzio"
Chair: Raúl Herrera

Learning from fruit ripening to biotech applications. Raúl Herrera, Instituto de Ciencias Biológicas, Universidad de Talca.

Extreme-inspired biotechnology: bridging the gap from wet lab to Agritech industry. Denisse Bravo, Facultad de Odontología, Universidad Andrés Bello.

The road from the wet lab to cellulosic industry. Rafael Vicuña, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile.

Bridging the gap: overcoming challenges in applying transcription factor research from model systems to crop improvement in field environments. Raquel Chan, Instituto de Agrobiotecnología del Litoral (IAL-CONICET-UNL).

13:30-15:00 Lunch break

15:00-16:30 Poster Session I

1. Mitochondrial OGG1 overexpression attenuates oxidative stress-induced senescence in HepG2 cells. Valentina Abarca (valentina.abarca.v@ug.uchile.cl), Xavier Vielma, Lautaro Magaña, Emanuel Guajardo, Valentina Parra, Roberto Bravo-Sagua.

2. Glycated microenvironments enhance *Candida albicans* – *Streptococcus mutans* synergy in dual-species biofilms. Simon Alvarez (sealvarez1@uc.cl); Javiera Ortiz; Pablo Berrios; Carla Inostroza; Andrea Ravasio; Sebastian Aguayo.

3. Differential effect of water deficit and exogenous nitric oxide on the Lateral Root formation of three tomato cultivars (*Solanum lycopersicum*). Nicolás Arenas (nicolas.arenas@pregrado.uoh.cl), Lorena Pizarro, Carlos Rubilar-Hernández.

4. Design of interfering competitive peptides based on TRPM4-KCTD5 interaction. Javiera Baeza (javierabaezajara@gmail.com), Diego Maureira, Ian Silva, Wendy Gonzalez¹, Oscar Cerda.

5. Antihypertrophic Role of Estrogen/VCAM-1 in the Regulation of Cardiac Hypertrophy in Neonatal Rat Cardiomyocytes. Elsa Rocío Bascuñán (elsa.bascunan@ug.uchile.cl), Mayarling F Troncoso, Magda C. Díaz-Vesga, Danica Jimenez-Gallegos, Mario Chiong, Sergio Lavandero.

6. Royal jelly-derived extracellular vesicles modulate microglial nanomechanics. Pablo Berrios (pablo.berrioss91@gmail.com), Gabriela Zavala, Christina Schuh, Sebastián Aguayo.

7. TRPM4 modulates focal adhesion-associated Ca²⁺ signals and dynamics. Mariana Brunett (mariana.brunett@ug.uchile.cl), Ian Silva, Diego Maureira, Oscar Cerda.

8. Aptamer blockade of Lactadherin is secreted by triple-negative breast cancer cells inhibit angiogenesis in an *in vivo* breast cancer model. Karen Carrasco - Maure (karen.carrasco@ug.uchile.cl), Cristina Mayorga – Lobos, Kevin Nawrath, Francisca Sepúlveda, Mauricio González – Olivares, María José Montenegro, Alexander Riquelme y Lorena Lobos – González

9. Topical N-Acetylcysteine as a Therapeutic Candidate in RDEB: Reducing Fibroblast Senescence and Accelerating Wound Closure. Evelyn Catalán (ecatalan@uc.cl), Belén Dianta, Nicole Koplow, Paola Tiozzo-Lyon, Pilar Morandé, Francis Palisson, Alexander Nyström and Ignacia Fuentes.

10. NUA1 regulates SREBP1 maturation and activity through the Akt/mTOR axis in colorectal cancer. M. Andrea Concha V. (mconcha2020@udec.cl), Viviana Coliboro, Luis Espinoza, Alejandro Fariás, Roxana Pincheira, Ariel Castro.

11. Deletion in the triple helix region at the 3' end of MALAT1 in the MCF-7 breast cancer cell line. Aramis Cortés-Arias (a.cortsarias@uandresbello.edu), Fernando J. Bustos, Rodrigo Aguilar.

12. Squid oil (*Dosidicus gigas*) with potential antiproliferative activity against gastric cancer. Yohana Defranchi Ortiz (yohana.defranchi@ce.ucn.cl), Giuliano Bernal Dossetto.

13. IL-6/STAT3 Regulates Scavenger Receptor Expression and Oxidized LDL Uptake in the Progression of Prostate Cancer. Durán A (anduran2016@udec.cl), Azocar S., Castillo M, Duprat F., Olivas G., Pampaloni P., Rivas Y., Sanzana J., González-Chavarría I.

14. SNPs detection of genes associated to Alzheimer's disease in older adults in the city of Antofagasta using nanosequencing. Margarita Fuentes, Jorge Escobar-Vera (jorge.escobar@uantof.cl), Gabriel Peña, Jan Ortiz, Maximiliano Ceballos, Milton Urrutia, Anita Gálvez and Alexandra Galetović.

15. Development of a CTGF Inhibitor Based on a Novel Protein-Peptide Interface. Jennifer Faundez-Contreras (jfaundezc2@correo.uss.cl), Raúl Araya-Secchi, Tiaren Ruiz², Enrique Brandan.

16. Characterization of Rab GTPase Family Genes in *Eucalyptus globulus* under Drought Stress Conditions. Constanza Frois-Meza (cfrois20@alumnos.utalca.cl), A. Carolina Puentes-Romero, Paulo Cañete-Salinas, Raúl Herrera.

17. Toward a Structural Map of the CTGF/CCN2 Interactome: Predicting Domain-Partner Interactions. Felipe Garcia-Olave(fgarciao2@correo.uss.cl), Jennifer Faundez-Contreras, Enrique Brandan, Raul Araya-Secchi.

18. Photomodulation of cyanobacterial FNR function defines light-controlled mechanism of catalytic plasticity supporting photosynthetic acclimation to variable light. Valentina Garrido-Espinoza (vagarrido18@alumnos.utalca.cl), Pablo Galaz-Davison, Cristian Tirapegui, Gabriel Vallejos, Pedro General, Horacio Poblete, Ricardo A. Zamora, Alejandra Herrera-Morandé.

19. DEAD-box RNA helicase DDX3X is recruited to the Zika virus replication compartment to promote viral RNA translation in human microglia. Alonso González-Poblete (alonsogonzalez@ug.uchile.cl), Tomás Hernández-Díaz, Sebastián Giraldo-Ocampo, Cecilia Rojas-Fuentes, Aarón Oyarzún-Arrau, Fernando Carrasco-Galvez, Mónica Acevedo-Acevedo, Aracelly Gaete-Argel, Barbara Rojas-Araya, Marcelo Lopéz-Lastra, Matías Zúñiga-Bustos, Tommaso Cupido, Fernando Valiente-Echeverría and Ricardo Soto-Rifo.

20. Understanding the role of FchNAC1 in cell wall disassembly associated to softening of *Fragaria chiloensis* fruit. Macarena Zamorano-Curaqueo (mzamorano@utalca.cl), Joselin Guajardo, Raúl Herrera, M. Alejandra Moya-León.

21. Study of the impact of the polypyrimidine tract-binding protein on the translational activity of the IRES elements present in the sense and antisense mRNAs of HTLV-1. Daniela Guzmán-Correa (Daniela.guzman@uc.cl), Marcelo López-Lastra.

22. Analysis of HDAC6-STAT3-PP2Ac interaction in colorectal cancer cell lines. M. Estrella Armijo, Yanitza Gutiérrez (ygutierrezm@magister.ucsc.cl), and Matías I. Hepp.

23. FchDOF2 as a transcriptional regulator during softening of *Fragaria chiloensis* fruit. Aline Jeria-Orellana (ajeria20@alumnos.utalca.cl), Macarena Zamorano-Curaqueo, Joselin Guajardo, Raúl Herrera, María Alejandra Moya-León.

24. Unique paradigms found in fungal sRNA processing and function. Nathan R. Johnson (nathan.johnson@umayor.cl), Lorena Melet, Fabian Gonzalez, Paulina Masse, Barbara Bernal.

- 25. Influence of biofilm *Streptococcus mutans*-derived extracellular vesicles on the adhesion and growth capacity of *Streptococcus sanguinis*.** Camila Leiva-Sabadini (caleiva2@uc.cl), Céline M. Lévesque, Laurent Bozec, Christina Schuh, and Sebastian Aguayo.
- 26. Dual effect of poly(dA:dT) sequences on nucleosome sliding activity of the RSC complex.** Leonor Leiva P. (leleiva2021@udec.cl), Fernanda Raiqueo, José L. Gutiérrez.
- 27. Study of new formulations for the control of plant pathogens: physicochemical properties and their effects in *Botrytis cinerea* proliferation.** Ligia Llovera (ljlloveras83@gmail.com), Ignacio Moreno, Mauricio Osorio, Lautaro Taborga, Andrés F. Olea.
- 28. 17 β -estradiol promotes pulmonary arterial smooth muscle cell migration via senescence induction.** Camila López-Torres (camila.lopez.t@ug.uchile.cl), Francisco Sigcho, Jaime A. Riquelme, Valentina Parra.
- 29. Structural and functional characterization of C-terminal region of DSUP.** Elías Manríquez B.(elias.manriquez@ug.uchile.cl), Martín Uriz and Exequiel Medina G.
- 30. Calcium and mitophagy on PDGF-BB-induced vascular smooth muscle cell dedifferentiation.** Javiera Martínez Bilbao (ivanea.martinez@gmail.com), Ignacio Norambuena-Soto, Fernanda Sanhueza-Olivares, Tamara González-Rivera, Francisca Valenzuela-Arce, Andrea Mella-Torres and Mario Chiong Lay.
- 31. Identification, structural modeling and functional analysis of four alcohol acyltransferases from *Fragaria chiloensis* involved in ester biosynthesis.** Medina-Farías N. (nmedina20@alumnos.utalca.cl), Guajardo J., Valenzuela-Riffo F., Herrera R., Moya-León M.A.
- 32. Senescence in rat aorta vascular smooth muscle cells induced by iNOS.** Mella-Torres A. (andrea.mella@ug.uchile.cl), Silva D., López E., Lavandero S., Chiong M.
- 33. Monitoring DNA–Peptide Complex Assembly in Real Time with Magnetic Tweezers.** Michelle Mendoza Becerra (Michelle.Mendoza@mayor.cl), Paula Santana Sepúlveda, Romina Muñoz Buzeta, Nathalie Casanova Morales, Vicente Salinas Barrera, Jaime Andrés Rivas Pardo.
- 34. NUA1 promotes pentose phosphate pathway via hnRNPK-G6PD and favours oxaliplatin chemoresistance.** Tomas Molina (tmolina2019@udec.cl), Alejandro Farias, Viviana Coliboro, Luis Espinoza, Martina Concha, Roberto Amigo, Jean Pierre-Koppling, Daniel Murphy, Violeta Morin, Roxana Pincheira, Ariel Castro.
- 35. Characterization of Aquaporins in *Eucalyptus* spp under Water Stress.** Gustavo Morales-Baeza (gmorales20@alumnos.utalca.cl); Martín Parada-Zapata; Felipe Valenzuela-Riffo; Raúl Herrera.
- 36. Poldip2 Deficiency Promotes OGT-Dependent Microtubule Destabilization and SRF Stabilization in Vascular Smooth Muscle Cells.** Francisca Muñoz Cortés (fmuez@uc.cl), Felipe Paredes and Alejandra San Martín.
- 37. Mass Photometry: a New Technology for Latin America.** Karina New (karina.new@postqyf.uchile.cl) and Christian A. M. Wilson.
- 38. Regulation of MYC by the Transcription Factor SALL2 in Colorectal Cancer Cells.** Ebonny Olivera (eolivera2020@udec.cl), Roxana Pincheira, Valentina González-Pecchi.

39. Characterization of sex-related baseline differences in neonatal rat cardiomyocytes. Ingrid Oyarzún (ingoyarzun@uc.cl), Magdalena Jiménez, Georhan Mancilla, Pablo Castro, Hugo Verdejo, Clara Quiroga.

40. Characterization of differentially expressed invertases in *Eucalyptus* spp. under water stress. Martín Parada-Zapata (mparada20@alumnos.utalca.cl), Gustavo Morales-Baeza, Felipe Valenzuela-Riffo, Raúl Herrera.

41. Two active sites, three activities, one enzyme? biophysical, structural, and kinetic characterization of the ThiDN enzyme from the hyperthermophilic archaeon *Pyrococcus furiosus*. Martín Pereira-Silva (martin.pereira@ug.uchile.cl), Nicolás Fuentes-Ugarte, Victoria Guixé and Víctor Castro-Fernandez.

42. Distinct and Overlapping Contributions of Genetics, Environment, and Their Interaction to Autism-like Behaviors: Evidence from BPA Exposure in the Flailer Mouse. Eduardo Quiñones-Medina (eduardo.quinones@ug.uchile.cl), Felipe Galleguillos, Gloria Arriagada, Fernando J. Bustos, Valentina Parra.

43. Evaluating Tumor Immune Microenvironment through Immunoscore and Microsatellite Instability in Colorectal Cancer. Aracelly Quiroz (aracellyquiroz@udec.cl), Constanza Sanhueza, Bastián Aravena, Carolina Delgado, Claudio Benavides, Emilia Escalona.

44. Role of ubiquitination blockade of the N-terminus of endothelin-converting enzyme-1c in its subcellular localization and triggering of a malignant phenotype in colon cancer cells. Paula Romero-Vicencio (paula.romero.1@ug.uchile.cl), María de los Ángeles Toro, Karla Villalobos-Nova, Javiera Vargas, Julio C. Tapia.

45. MicroRNAs modulation by isodrimeninol from *Drimys winteri* (Canelo) in periodontitis associated cellular models: preliminary results. Nelia M. Rodríguez, Pía Loren, Isis Paez, Viviana Burgos, Constanza Martínez-Cardozo, Alejandra Chaparro & Luis A. Salazar (luis.salazar@ufrontera.cl).

46. *RUNX2* gene expression in human astrocytic cells: examining association with an active epigenetic profile at the *RUNX2*-P2 promoter and the role of the *RUNX2* factor at target genes. Vanessa Segura (v.segurabobadilla@uandresbello.edu), Vicente Apablaza, Constanza Mercado, Víctor Pola-Veliz, Sebastian Arredondo, Juan Fuentes, Brigitte van Zundert and Martin Montecino.

47. ByBug Synthetic®: An Innovative Platform for the Production of Therapeutic Proteins in Black Soldier Fly. Daniela Leiva Carvajal, Valentina Varela Silva, Jorge Caballero González, Nicolás Órdenes-Aenishanslins, Valentina Muñoz Zapata, José Del Solar Bou, Daniel Troncoso-Espinosa, Clara A. Solai (clarasolari@bybug.io).

48. Functional loss of TET enzymes reveals their critical role in controlling transposable element expression at heterochromatin in mouse embryonic stem cells. Bruno Soto-Moraga¹ (b.sotomoraga@uandresbello.edu), Gustavo Jara-Fernández¹, Constanza Mardones¹, Sebastián Echeverría-Araya¹, Robert Crawford², Anjana Rao³ and Hugo Sepúlveda^{1,3}.

49. Targeted deletion of a segment in the 3' end of MALAT1 gene impacts transcript levels and stability of MALAT1 and its antisense TALAM1 in AGS gastric adenocarcinoma cells. Valeria Valdés-Estrada (v.valdsestrada@uandresbello.edu), Roberto Munita, Fernando J. Bustos, Rodrigo Aguilar.

50. Metabolomic response of *Citrullus lanatus* grafted onto *Lagenaria siceraria* to water stress.

Javiera Valenzuela-Herrera (javieravalenzuelaherrer@gmail.com), Claudio Martínez, Carlos Maldonado, Raúl Flores, Rodrigo Contreras Soto.

51. Fickian Diffusion–Drug Delivery of Polyphenols from β -Cyclodextrin–Functionalized Porous Silicon Carriers: Toward Osteoarthritis Applications. Humberto Vélez Slimani (h.velez01@ufromail.cl), Jacobo Hernández Montelongo, Luis A. Salazar.

52. *SLC16A11* expression increases under hypoxic conditions in HepG2 cells. Manuel Venegas (mvenegasr@magister.ucsc.cl), Lorena Mardones, Valentina González-Pecchi, Marcelo Villagrán.

53. Endothelin A receptor–mediated Src activation drives aggressiveness in gallbladder cancer cells. Jetzabel Vidal-Vidal (jetzabel.vidal@gmail.com), Valentina Ojeda, Nelson Quilaqueo, Ignacio Niechi.

54. Localization of endothelin-converting enzyme-1c in the multivesicular body of colorectal cancer cells. Karla Villalobos-Nova (karla.villalobos@ug.uchile.cl), Eugenio Díaz-Urbina, María de los Ángeles Toro, Paula Romero-Vicencio, Lorena Lobos-González, Julio C. Tapia.

55. ClpP Activation by Novel Small-Molecules Alter Mitochondrial Proteostasis and VSMC Phenotype. Catalina Yáñez Gomez (catalina.yezgmez@gmail.com), Osvaldo Yáñez, Francisca Muñoz Cortes and Alejandra San Martín.

56. Lysine monomethylation and ADP-ribosylation act in concert to regulate the association of histones H3 and H4 to ribosomes. Patricio Zapata (pzapatacl@correo.uss.cl), Francisco Saavedra, Francisca Álvarez, Claudia Espinoza, Yerko Castillo, Rodrigo Villanueva, Ignasi Forme, Axel Imhof & Alejandra Loyola.

16:30-18:30 Oral Sessions 1 and 2

Oral session 1

Chairs: Jenniffer Angulo and Paulo Canessa.

16:30 Phylogenetic, Structural, and Functional Insights into the NSs Protein of the *Orthohantavirus andesense* (ANDV). Hade Ramos Acevedo (haramos@uc.cl), Eugenia Fuentes, Andreas Schüller, Jorge Vera-Otarola, Marcela Ferrés and Jenniffer Angulo.

16:45 Effect of Cold Shock Protein A on RNA Stability, Kinetics, and Misfolding Probability during Temperature Downshift. Rodrigo Rivera S. (rodrigo.rivera.s@ug.uchile.cl), Cristian Valdebenito, Cayetana Zamorano, Ernesto Roman, Gonzalo Cosa, and Mauricio Baez.

17:00 Improved microsome isolation from *Saccharomyces cerevisiae* enables peptidisc-based, detergent-free reconstitution of the Sec61 translocon. Alfaro-Valdés Hilda M. (hilda.m.alfaro.v@gmail.com), Andrea Aviles, Valentina Squicciarini, Bernardo Lopez, Aaron J. Paredes, Cecilia D'Alessio, Christian A. M. Wilson.

17:15 Molecular characterization of *Botrytis cinerea* “Virulence Impaired Necrosis 1” (BcVin1) gene: Host-Dependent infection outcomes mediated by a transcriptional regulator of effector proteins. Gabriel Pérez-Lara (gabolev@gmail.com), Nicolás Arias-Inostroza, Valentina Hadler Palma, Danae Ramírez-Espinoza, and Paulo Canessa.

17:30 **Role of cyclooxygenases 1 and 2 in herpes simplex type 1-infected dendritic cells.** Areli J. Navarro (ahnavarro@uc.cl), Mónica A. Farías, Felipe Cancino, Eduardo Tognarelli, Susan M. Bueno, Alexis M. Kalergis, Pablo A. González.

17:45 **Variations in flanking or less conserved positions of the consensus binding sites for Reb1 and Abf1 transcription factors lead to major changes in their ability to modulate nucleosome sliding activity.** Fernanda Raiqueo (fraiqueo2016@udec.cl), Roberto Amigo and José. L. Gutiérrez.

18:00 **From Mapuche Medicine to Modern Science: Culén (*Otholobium glandulosum*) Antidiabetic Potential via In Vitro Enzyme Inhibition and Computational Screening.** Muhammad Javid Iqbal (m.iqbal01@ufromail.cl), Cristian Paz and Luis A Salazar.

18:15 **Effect of 14-3-3 and DBC-1 interaction with ECE-1c in its protein stability in colorectal cancer cells.** María de los Ángeles Toro (maria.toro.b@ug.uchile.cl), Mariela González-Avendaño, Karla Villalobos-Nova, Paula Romero-Vicencio, Javiera Vargas, Ariela Vergara-Jaque, Julio C. Tapia.

Oral session 2

Chairs: Lorena Pizarro and Rodrigo Aguilar.

16:30 **A Key Mitochondrial Player in Cellular Stress Resistance and Longevity.** Andrea Matamoros, Juan Pablo Soffia, Marcelo Muñoz, Michael Maturana, Ma Andreina Rangel-Ramirez, Alvaro Gonzalez-Ibañez, Gabriela Gomez-Lillo, Cesar Astorga, Lina M. Ruiz, Ramón Jorquera, Alejandra San Martín, Alvaro A. Elorza¹ (alvaro.elorza@unab.cl).

16:45 **Antisense oligonucleotides directed to the SARS-CoV-2 genome reduce viral load *in vitro* and *in vivo*.** Christopher Fitzpatrick (csfitzpatrick@gmail.com), Sophie Dhorne-Pollet Nicolas Meunier, Sophie Lepoder, Constanza Gabilán, Maximiliano López-Muñoz, Juan Pablo Barraza, Bernard Delmas, Eric Barrey and Verónica A. Burzio.

17:00 **A *KCNKI* Variant Linked to Rett Syndrome Disrupts ER to Golgi Trafficking of Kv3.1 Channel.** Diego Maureira (diego.maureira.f@ug.uchile.cl), Carla Rubilar, Joaquín López, Paola Santander, Hans Moldenhauer, Ian Silva, Pablo Cruz, Denise Riquelme, Javiera Baeza, Wendy González, Evrim Servili, Mónica Troncoso, Elías Leiva-Salcedo and Oscar Cerda.

17:15 **Dissecting pattern-triggered immunity in sweet cherry: contrasting responses to bacterial and fungal MAMPs.** Andree Álvarez (andree.alvarez@postdoc.uoh.cl), Mariela González, Uri Aceituno-Valenzuela, Daniela Muñoz, Paz Contreras-Lopez, Franco Figueroa, Manuel Pinto, Meirav Leibman-Markus, Mauricio Latorre, Victor Aliagada, Alexander Vergara, Luis Villalobos, Paula Pimentel, Adi Avni, Maya Bar, Claudia Stange, Lorena Pizarro.

17:30 **Microarchitecture of Dentin Analogs: Exploring Glycation in Oral Disease Models.** Carmen Hidalgo (carmen.hidalgo@uc.cl), Paula Ford, Carla Inostroza, and Sebastián Aguayo.

17:45 **A Novel Catalytic Strategy for Phosphate Condensation: Insights from HMP-P Phosphorylation.** Nicolás Fuentes-Ugarte (nicolas.fuentes@ug.uchile.cl), Isaac Cortes-Rubilar, Isabel Asela-Montes, Myriam Pérez, José Luis Velázquez-Libera, Milorad Andjelkovic, Iñaki Tuñón, Jans Alzate-Morales, Victoria Guixé and Víctor Castro-Fernandez.

18:00 Structural and evolutionary insights into the allosteric regulation and K⁺-independent activity in pyruvate kinases from methanogenic archaea. Sebastián M. Muñoz (sebastian.munoz.m@ug.uchile.cl), Ignacio Aravena-Valenzuela, Antonia Alarcón-Saavedra, Nicolás Fuentes-Ugarte, Guy Schoehn, Víctor Castro-Fernández, and Victoria Guixé.

18:15 DRP1 and Bcl-xL interaction in therapy-induced senescence progression in a model of colorectal cancer. Pablo Morgado-Cáceres (pablo.morgado@ug.uchile.cl), Donato Garrido, Osmán Díaz-Rivera, Andrea Puebla-Huerta, Ulises Ahumada-Castro, Eduardo Silva-Pavez, Hernán Huerta, Daniela Moreno, Valentina Castillo, César Casanova, Sergio Linsam Barth, Valentina Parra, César Cárdenas.

18:30-19:30 Technical talks and coffee break

Biotecom

Mas Allá del Genoma: Descubriendo el Proteoma con la Tecnología de Secuenciación de Proteínas de Nueva Generación de Quantum-SI. Bq. Luis Leyton, Especialista de Aplicaciones Biotecom SpA

ThermoFisher Scientific

Expresión Génica por PCR en Tiempo Real y PCR Digital, Teoría, Práctica y Casos. Beatriz Álvarez, Especialista en Ciencias Genéticas Thermo Fisher Scientific.

19:30-20:30 Severo Ochoa Lecture
Chair: Martín Montecino

CRISPR genome editing applied to research on rare diseases. Lluís Montoliu, National Centre for Biotechnology (CNB-CSIC) and Spanish National Network for Research on Rare Diseases (CIBERER-ISCIII), Madrid, Spain.

Wednesday, October 8th

8:30-9:00 Poster mounting (57-111)

9:00-11:00 Symposium 4 “New Perspectives on Cell Wall Biosynthesis and Signaling”
Chair: Ariel Orellana

Insights into how spatial and temporal calcium signaling events separately regulate cellular morphogenesis. Magdalena Bezanilla, Department of Biological Sciences, Dartmouth College, NH, USA.

Cell Wall-Associated Signaling Under Aphid Attack: GWAS and Functional Characterization of CSL Genes in Arabidopsis Defense. Francisca Blanco-Herrera, Centro Biotecnología Vegetal (CBV), Facultad de Ciencias de la Vida, Universidad Andrés Bello.

A Reductionist Approach to Determining the Biochemical and Biological Functions of the Complex Plant Cell Wall Pectic Polysaccharides Reveals a Structural/Functional Expansion of the Homogalacturonan Biosynthetic GAUT gene family from Cyanobacteria to Green Algae and Higher Plants. Debra Mohnen, Department of Biochemistry and Molecular Biology and Carbohydrate Research Center University of Georgia, Athens, GA, USA.

PMEs and PMEIs in seed mucilage: A coordinated team regulating homogalacturonan methylation. Susana Saez-Aguayo, Centro de Biotecnología Vegetal, Universidad Andrés Bello, Santiago, Chile.

11:00-11:30 Coffee Break and poster viewing

11:30-13:30 Symposium 5: “Organelle Communication as a Platform Signaling in Chronic Diseases”

Chairs: Valentina Parra and Julio César Cárdenas.

Mfn2 Actions in Membrane Contact Sites. María Isabel Hernández-Alvarez, Departament de Bioquímica i Biomedicina Molecular, Facultat de Biologia, Universitat de Barcelona, Barcelona, Spain.

Endoplasmic Reticulum–Mitochondria Calcium Transfer: A Key Regulator in Cancer Cell Survival and Progression. Julio Cesar Cardenas, Center for Integrative Biology, Faculty of Science, Universidad Mayor.

LEAP-2 and Cardiac Dysfunction in MASLD: Exploring the Mitochondria–Lipid Droplet Axis in Metabolic Steatotic Liver Disease. Valentina Parra, Laboratory for Cell Differentiation and Metabolism, Department of Biochemistry and Molecular Biology, Faculty of Chemical and Pharmaceutical Sciences, University of Chile, Santiago, Chile.

Novel function and mechanism of action of proteins localized at the mitochondria-ER contact sites in regulating cellular senescence and age-related alterations. David Bernard, Equipe labellisée Ligue contre le Cancer; Senescence, Cancer and Aging team, Centre de Recherche en Cancérologie de Lyon, France.

13:30-15:00 Lunch break/Society Members Meeting

15:00-16:30 Poster Session II

57. The hepatokine LEAP-2 regulates lipid uptake and mitochondrial dynamics in neonatal rat ventricular myocytes. Sebastián Aedo-Cares (seba.aedo.cares@gmail.com), Sebastián Leiva-Navarrete, Rodrigo Troncoso, Valentina Parra.

58. Pyruvate kinases from methanogenic archaea: structural and kinetic insights into the allosteric AMP activation. Ignacio Aravena-Valenzuela (ignacio.aravena.v@uchile.cl), Sebastián M. Muñoz, Antonia Alarcón-Saavedra, Guy Schoehn, Víctor Castro-Fernández, Victoria Guixé.

59. The transcription factor Bcin11g05790 is a central regulator of virulence factors in *Botrytis cinerea*. Nicolás Arias-Inostroza (nicolasariasinsostroza@gmail.com), Gabriel Pérez-Lara, Valentina Hadler-Palma, and Paulo Canessa.

60. Enrichment of cancer and inflammatory pathways upon knockdown of Antisense noncoding mitochondrial RNA (ASncmtRNA). Juan Barraza Zavala (j.barrazazavala@uandresbello.edu), Christopher Fitzpatrick, Gino Nardocci, Verónica Burzio.

- 61. Partial purification of β -glucosidase from rosehip (*Rosa spp.*) and determination of its anthocyanin-degrading activity.** Antonia Beltrán (abeltran2019@udec.cl), Maximiliano Figueroa, Amparo Uribe, Romina Romero, Juan Roman.
- 62. Residues from the acidic band of connexin-36 hemichannels interact with divalent cations.** Nicolás Bravo-Acuña (nicolas.bravo@postgrado.uv.cl), Aníbal García, Valeria Márquez-Miranda, Juan Carlos Sáez, Fernando Danilo González-Nilo.
- 63. Preparation of Chitin and Keratin Sponges for Biomedical Applications Using a Cost-Effective and Environmentally Friendly Method.** Nicole Butto-Miranda (nbutto@uchile.cl). Departamento de Ciencias Biológicas Animales, Universidad de Chile.
- 64. Advances in the Structural Characterization of *Agmatinase-like Protein (LIMCH1)*.** Juan-Pablo Carrasco (jcarrasco2019@udec.cl), María-Belen Reyes, Diego Bustamante, Ignacia Lillo, Cristián Villegas, Marcell Gatica, Maximiliano Figueroa, José Martínez, José-Yamil Neira, Elena-Amparo Uribe.
- 65. Evaluation of a novel non-invasive therapeutic approach in an experimental model of acute retinopathy.** Matías Carrillo (mcarrillo@magister.ucsc.cl), Carlos Farkas, Lorena Mardones.
- 66. Integrating Kinetic and Molecular Dynamics Approaches to Elucidate the Allosteric Regulation of a Bifunctional PFK/GK Enzyme in Methanogenic Archaea.** Enzo Cevo (enzo.cevo@ug.uchile.cl), Sixto M. Herrera, Víctor Castro-Fernandez, Victoria Guixé.
- 67. Study of the immunity of *Lagenaria siceraria*: Characterization of the response to the bacterial elicitor flg-22.** Paz Contreras López (paz.contreras@postgrado.uoh.cl), Rodrigo Contreras, Lorena Pizarro.
- 68. Conformational dynamics of ancestral ThiD-HMPPK enzymes from mesophilic and thermophilic bacterial lineages.** Isaac Cortés-Rubilar (isaac.cortes@ug.uchile.cl), Exequiel Medina, Víctor Castro-Fernández.
- 69. Impaired Mitochondrial produced by hypoxia at birth in Rats Monitored by Real Time Seahorse XF: Effect of NAD⁺ replacement.** Díaz-Urbina E. (eadiaz2@uc.cl), Almarza C, Davidson H, Cortés A, Lobos P, Ezquer F, Morales P, Urra FA, Herrera-Marschitz M.
- 70. Human metapneumovirus infection reduces H3K27me3 levels and promotes oncogenic transcriptional programs in lung adenocarcinoma cells.** Sebastián Echeverría-Araya (s.echeverraaraya@uandresbello.edu), Josefa Larraín-Navarro, Constanza Mardones, Bruno Soto-Moraga, José Miguel Álvarez, Alejandra San Martín, Hugo Sepúlveda, Jorge Soto.
- 71. NUA1 links metabolic control and transcriptional programs via PFKP/YAP/TAZ axis.** Luis Espinoza-Francine (luespinoza2018@udec.cl); Viviana Coliboro-Dannich; Alejandro Farías; Andrea Concha-Vega; Roxana Pincheira; Ariel Castro.
- 72. ANDES virus Gn/Gc spike biogenesis, acid sensitivity and protection in the secretory pathway.** Figueroa, Fabián (ffigueroa@cienciavida.org), Nicole Tischler, Alfonso González, Claudio Retamal.
- 73. The endogenous parvoviral derived protein DeRep inhibits rAAV2 replication.** Isabel Fuentealba-Astudillo (i.fuentealbaastudill@uandresbello.edu), Pablo Lobos-Ávila, Javiera Bastías and Gloria Arriagada.

74. Inhibition of mitochondrial Na⁺/Ca²⁺/Li⁺ exchanger NCLX alters tumorigenic traits and ER-mitochondria contact sites in MDA-MB-231 cells. Donato Garrido-Patiño (donato.p.garrido@gmail.com), Camila Quezada-Gutiérrez, Ulises Ahumada-Castro, Andrea Puebla-Huerta, Pablo Morgado-Cáceres, Antonio Martínez-Ruiz and J. César Cárdenas.

75. Epitranscriptomic modifications as regulators of HIV-1 replication in human microglia. Sebastian Giraldo-Ocampo (sebastian.giraldo@ug.uchile.cl), Catarina Ananias, Aracelly Gaete-Argel, Cecilia Rojas-Fuentes, Camila Ortega-Orellana, Delia Lopez, Fernando Valiente-Echeverría and Ricardo Soto-Rifo.

76. Evaluation of Binding Affinity of a Lactadherin-Blocking Aptamer through Mass Photometry. Mauricio Gonzalez-Olivares (mauriciogonzalez1@ug.uchile.cl), Cristina Mayorga-Lobos, Karina New, Karen Carrasco, Alexander Riquelme, María José Montenegro, Kevin Nawrath, Francisca Sepúlveda, Lorena Lobos-González.

77. Epigenetic modulation of macrophage polarization in colorectal cancer. Yanitza Gutierrez-Monsalve (ygutierrezm@magister.ucsc.cl), Matias I. Hepp.

78. Characterization of two novel cell death-inducing proteins identified through whole-secretome protein structural analyses in the fungal phytopathogen *Botrytis cinerea*. Valentina Hadler (hadlervalentina@gmail.com), Patricio Sánchez, Romina V. Sepúlveda, and Paulo Canessa.

79. The cellular RNA helicase DDX3X binds directly to Zika virus 5' untranslated region to promote viral translation. Tomás Hernández-Díaz (tomas.hernandez@ug.uchile.cl), Alonso González-Poblete, Sebastián Giraldo-Ocampo, Cecilia Rojas-Fuentes, Aarón Oyarzún-Arrau, Fernando Carrasco-Galvéz, Mónica L. Acevedo, Delia López-Palma, Aracelly Gaete-Argel, Barbara Rojas-Araya, Marcelo López-Lastra, Matías Zúñiga-Bustos, Tommaso Cupido, Fernando Valiente-Echeverría and Ricardo Soto-Rifo.

80. Characterization of baseline mitochondrial differences in cardiomyocytes from male and female neonatal rats and their impact on the response to anthracycline damage. Magdalena Jiménez (magdalena.jimenez@uc.cl), Wileidy Gomez, Ingrid Oyarzun, Georhan Mancilla, Pablo Castro, Hugo Verdejo, Clara Quiroga.

81. Smart XY Motion and AI-Driven Particle Tracking for Next-Gen Force Spectroscopy on DNA. Vicente Ladrix (ladrixvicente@gmail.com), Tomás Hermosilla, Felipe Urbina .Jaime Andrés Rivas Pardo.

82. Expression of a therapeutic nanobody in Black soldier fly (*Hermetia illucens*) larvae. Daniela Leiva Carvajal (danielaleiva@bybug.io), Valentina Varela Silva, Jorge Caballero González, Nicolás Órdenes-Aenishanslins, Valentina Muñoz Zapata, José del Solar Bou, Daniel Troncoso-Espinosa, Clara A. Solari.

83. Trigger Factor as a modulator of the Structural Dynamics of FoxP1 FKH domain. Jesús Lira Gerardo (jesus.lira@ug.uchile.cl), Elias Manriquez, Camila Jorquera, Mauricio Báez, Exequiel Medina.

84. Analysis of the antiviral activity of *Rep*-derived endogenous parvoviral elements. Pablo Lobos-Ávila (p.lobosvila@uandresbello.edu), Felipe Galleguillos, Camila Osega-Ríos, Fernando J Bustos and Gloria Arriagada.

85. Prior asymptomatic herpes simplex virus type 1 infection causes more severe sepsis and increased blood-brain barrier permeability in the endotoxemic mouse model. Dayesi López-Hernández (dlopez9@uc.cl), Rodrigo Reyes-Ramírez, Areli J. Navarro, Luisa F. Duarte, Javier Carbone-Schellman, Susan M. Bueno, Leandro J. Carreño, Alexis M. Kalergis, Claudia A. Riedel, Felipe Simon, Pablo A. González.

86. Non-Catalytic roles of epigenetic regulators in mouse Embryonic Stem Cells. Constanza Mardones-Molina (c.mardonesmolina3@uandresbello.edu), Gustavo Jara, Sebastián Echeverría-Araya, Bruno Soto-Moraga, Anjana Rao, Hugo Sepúlveda.

87. ProteoAR: Protein Structure Book with Augmented Reality. Martínez-Oyanedel J. (jmartine@udec.cl) and Bruna Cofre C.

88. Loss of Sall2 in organoid-derived colorectal cancer tumors is associated with decreased survival rates and stromal remodeling toward a pro-invasive phenotype. Paula Medina Caro (pmedina2018@udec.cl), Araceli Castro Nahuelcura, Diego Benítez-Riquelme, Manuel Mastel, Aracelly Quiroz Lagos, Antonia Nova González, Tomás Molina Gallardo, René Jackstadt, Ariel Castro, Roxana Pincheira.

89. Two Roads, Two Substrates: Tracing Divergent Pathways of Substrate Specificity Evolution. Claudia Mella Hernández (claudiamella@ug.uchile.cl), Victoria Guixé, and Victor Castro Fernández.

90. The Role of Cellular Prion Protein (PrPc) in Cardiac Hypertrophy and Oxidative Stress in Cardiomyocytes. Evaristo Molina (evaristo.molina@ug.uchile.cl), Úrsula Zúñiga-Cuevas, Leslye Venegas-Zamora, Valentina Parra.

91. Potential Role of MicroRNAs in Extracellular Vesicles from Obese Women on Gallbladder Cancer Cells Phenotype. María Montenegro (maria.montenegro.r@ug.uchile.cl), Camilo Torrejón, Eva Hormazabal, Victoria Rojas, Lorena Oróstica.

92. Antiproliferative Evaluation of MOP3-Derived Lipopeptides Synthesized via SPPS and Ugi Multicomponent Reaction. Moreno Bernal Rachel; Zúñiga Arbalti Felipe; Campos Delgado Jose; Weber Paixao Marcio; Jiménez Águila Claudio.

93. Codon Usage Bias and tRNA Dynamics Under UV Stress in the Atacama desert Cyanobacterium *Nodularia* TAL-12. Valentina Muñoz Madrid (Valentina.munoz.m@ug.uchile.cl), Jan Ortiz, Gabriel Peña, Alexandra Galetovic, Álvaro Glavic.

94. Stress responses shape *Leptospirillum ferriphilum* metabolisms. Javiera Norambuena (javiera.norambuena@upla.cl), Carlos Farkas, Agustín Rojas.

95. OxLDL/DRP1 Signaling Links Mitochondrial Fission to EMT in Prostate Cancer Cells. Olivas Henríquez G (golivas2019@udec.cl), Durán A., Azocar S., Castillo M, Duprat F., Pampaloni P., Rivas Y., Sanzana J., González-Chavarría I.

96. Impact of heat-shock factor 1 over the replication cycle of Herpes Simplex Virus type 1. Gerardo Ortiz (gqortiz@uc.cl), Rodrigo Reyes, Abel Soto, Alexis M. Kalergis, Susan M. Bueno, Pablo A. González.

97. Prostate Cancer Cells and the Tumor Microenvironment Promote LDL Oxidation. Pampaloni P (ppampaloni2019@udec.cl), Durán A., Azocar S., Castillo M, Duprat F., Olivas G., Rivas Y., Sanzana J., González-Chavarría I.

98. Herpes simplex virus type 1 modulates the expression of Fc-Gamma Receptors in dendritic cells. Ignacio A. Pastén-Ferrada (ipastenf@uc.cl), Felipe A. Cancino, Areli J. Navarro, Abel A. Soto, Susan M. Bueno, Alexis M. Kalergis, Pablo A. González.

99. FchDOF1 regulates color-associated genes in *Fragaria chiloensis* via the phenylpropanoid/anthocyanin pathway. Nicole Pizarro-Vásquez (npizarro@alumnos.utalca.cl), Raúl Herrera, María Alejandra Moya-León.

100. Biochemical and Structural Characterization of Oligomeric States of Phosphoenolpyruvate Synthase from the mesophilic archaeon *Methanococcus maripaludis*. Gonzalo Quiñones-Pérez (gonzalo.quinones.p@ug.uchile.cl), Sebastián M. Muñoz, Leslie Hernández-Cabello, Víctor Castro-Fernández, Felipe González-Ordenes and Victoria Guixé.

101. Herpes simplex virus type 1 impacts glycolytic metabolism and mitochondrial respiration at early stages of infection in dendritic cells. Francisco Romero (faromero3@uc.cl), Andrea Matamoros, Claudia A. Riedel, Susan M. Bueno, Álvaro Elorza. Pablo A. González.

102. Allulose acutely activates arcuate NPY neurons and differentially affects intake and body weight. Nancy Segura Guzmán (nsegurag@magister.ucsc.cl), Matias I Hepp, Carlos Farkas Pool.

103. SURF4, a New Regulator of TRPC6 Ion Channel Activity. Evrin Servili (servili.evrin@gmail.com), Bastián Rivera, Diego Maureira, Sebastián Moncada and Oscar Cerda.

104. Role of pseudouridine synthase 7 over the replication cycle of HSV-1 in a neuronal cell line. Abel Soto-Machuca (aasoto7@uc.cl), Gerardo Ortiz, Rodrigo Reyes-Ramirez, José P. Rubio, Cecilia Rojas-Fuentes, Aracelly Gaete-Argel, Sebastián Giraldo, Ricardo Soto-Rifo and Pablo A. González.

105. Molecular modeling of the lipopolysaccharide transport (Lpt) system in *Klebsiella pneumoniae*. Constanza Valdebenito (cvaldebenito21@alumnos.utalca.cl), Ariela Vergara-Jaque.

106. Characterization of transcription factors and their role in drought response in *Eucalyptus globulus*. Valenzuela-Riffo, F (fvalenzuela@utalca.cl), Parada-Zapata, M., Morales-Baeza, G. Rojas, C., Herrera, R.

107. Effect of the overexpression of the Transcription Factor TRIATDRAFT_315146 of *Trichoderma atroviride* in *Solanum lycopersicum* growth and biocontrol of *Botrytis cinerea*. Karla Vargas-Menares (k.vargasmenares@uandresbello.edu), Isidora Venegas, Paulo Canessa and Consuelo Olivares-Yáñez.

108. Identification of Key Genes Associated with Biocontrol Potential in *Trichoderma atroviride*. Isidora Venegas (isi.venegas.garrido@gmail.com), Nicolas Arias, José David Fernández, Elena Vidal, Paulo Canessa, Consuelo Olivares-Yáñez.

109. Discovery and characterization of compounds that disrupt MYC/NSD3S oncogenic interaction. Sebastián Vera (savera@ucsc.cl), Diego Acosta Yáñez, Matías Hepp, Carlos Farkas, Alexis Salas-Burgos, Yuhong Du, and Valentina González-Pecchi.

110. Implementation of a tool based on Surface Plasmon Resonance for the functional characterization of the p.Asp47Asn variant of the LDL receptor associated with familial hypercholesterolemia. Noemí Vilches (novilches2019@udec.cl), Maximiliano Figueroa, Andrea Sánchez.

111. Identification and Characterization of an Antisense Protein Encoded by Hepatitis B Virus. Cristian Vizueta (c.vizuetam@gmail.com), Micaela M Ricca, Sebastián Valenzuela, Iván Alfaro, Alejandra Loyola, & Rodrigo A Villanueva.

16:30-18:30 Symposium 6: “The importance of Protein Quality Control (PQC) *in vitro* and *in vivo*”

Chairs: Christian Wilson and Maximiliano Figueroa

Enhancing Research Data Reproducibility Through Protein Quality Control. André Matagne, Laboratory of Enzymology and Protein Folding, Centre for Protein Engineering, University of Liège, Liège, Belgium.

Biophysical determination of free energy of protein folding at the single and multiple molecule level. Christian A.M. Wilson, Laboratory of Biochemistry and Mechanobiology of Individual Molecules, Department of Biochemistry and Molecular Biology, Faculty of Chemical Pharmaceutical Sciences, Universidad de Chile, Santiago, Chile.

Direct observation of alpha-synuclein oligomerization on lipid membranes. Raman van Wee, Department of Chemistry, University of Oxford, United Kingdom.

N-glycosylation and glycoprotein folding quality control in the fission yeast secretory pathway and insights in congenital disorders of glycosylation. Cecilia D’Alessio, Instituto de Biociencias, Biotecnología y Biología Traslacional, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires.

18:30-19:30 Osvaldo Cori Lecture

Chair: Francisca Blanco-Herrera

From CO₂ Fixation to Cell-Wall Deposition: Carbon Routing Across Photosynthesis and Golgi Transport. Ariel Orellana, Centro de Biotecnología Vegetal, Facultad de Ciencias de la Vida, Universidad Andrés Bello,

21:00 Award Ceremony and Closing Dinner (included)

Thursday, October 9th

Actividades de Extensión y Vinculación con la sociedad.