

Scientific Program

Wednesday 27th

- 14.00 Check In & poster mounting
- 15.00–15.15 Welcome words by ASOCHIN President, Karina Pino-Lagos
- 15.15–16.50 **Symposium "Autoimmunity, Cancer and Cell Therapy"**
Chair: Patricia Luz-Crawford
- 15.15–15.50 "Metabolic reprogramming as a checkpoint in the regulation of gene expression: Metabolism meets Epigenetics" Rafael Argüello, University of Marseille, France
- 15.55–16.20 "EVs derived from glycolytic Mesenchymal stromal cells: New therapeutic strategy for inflammatory and autoimmune mediated disease" Patricia Luz-Crawford, Universidad de los Andes/IMPACT, Chile
- 16.25–16.50 "Transmitochondria (TRANSMIT): Harnessing Oral Cancer's Mitochondrial transfer for Immune Exhaustion and Stress Induction in T helper cells" Estefania Nova-Lamperti, Universidad de Concepción, Chile
- 16.55–17.45 Coffee Break
- 17.45–18.20 **Plenary Talk**
Chair: Jennifer Alfaro
"Mechanisms of action of mRNA-based vaccines" Arnaud Didierlaurent, University of Geneva, Switzerland
- 18.25–18.40 World Courier – sponsor short talk
- 18.45–19.45 **Poster Session (1-27)**
- 20.30 Dinner

Scientific Program

Thursday 28th

- 8.45–9.25 **Plenary Talk**
Chair: Karina Pino-Lagos
"Cellular therapies for Cancer: a view from MINSAL" Julia Palma, MINSAL, Chile
- 9.30–11.30 **New ASOCHIN members**
Chairs: Carolina Ribeiro and Nicolás Dutzan
- 9.30–9.55 "Extracellular vesicles in periodontitis, from immune regulators to systemic inflammation drivers" Carolina Rojas, Universidad de los Andes, Chile
- 10.00–10.25 "Oral dysbiosis as pathogenic factor and carcinogenesis" Gisela Canedo, Universidad de los Andes, Chile
- 10.30–10.55 "Deciphering molecular networks of Regulatory T cells: searching for therapeutic innovations in severe autoimmunity" Charlotte Hill, Universidad de los Andes/IMPACT, Chile
- 11.00–11.25 "Fueling the fight: Mitochondrial supercharged cells enhance the cytotoxicity of NK cells" Pablo Castro, Universidad de los Andes/IMPACT, Chile
- 11.30–11.45 Genexpress – Sponsor short talk
- 11.45–12.30 Coffee Break
- 12.30–14.10 **Short Talks**
Chairs: Lilian Reyes and Octavio Aravena
- 12.30–12.39 "Modulation of Natural Killer Cell Phenotype and Function by CD29 Blockage in Murine Melanoma" Dario Donoso, Universidad de los Andes, Chile
- 12.41–12.50 "Mitochondrial Transfer from Cancer cells to Immune cells: A new cancer immune evasion mechanism?" Camila Fuentes, Universidad de los Andes/IMPACT, Chile
- 12.52–13.01 "Role of adenosine receptor A2A in the generation of exhausted CD8+ T cells in the tumor microenvironment" Solange Gouet, Universidad de Chile, Chile
- 13.03–13.12 "Neutrophils Key Role in Acute Local Response Induced by the Melanoma Vaccine TRIMELVax: Implications for Tumor Rejection" Flavio Salazar, Universidad de Chile, Chile
- 13.14–13.23 "Zika Virus Co-opts the IRE1/XBP1 Axis for Type-I Interferon and Inflammatory Cytokine Responses in Conventional Dendritic Cells" Mónica Guzmán, Universidad de Chile, Chile

Thursday 28th – continuation

- 13.25–13.34 "Progression of Treg response in severe and mild patients of COVID-19"
Camila Kossack, Universidad San Sebastián, Puerto Montt, Chile
- 13.36–13.45 "Genetic diversity and transcriptional immune response to infectious pathogens in Indigenous South American populations" Lucas Vicuña, The University of Chicago, Chicago, United States
- 13.47–13.56 "Antioxidant and iron-chelating synthetic peptides as feed additives enhance innate immune markers in atlantic salmon after *Piscirickettsia salmonis* stimuli" Yannick Pombett, Pontificia Universidad Católica de Valparaíso, Valparaíso, Chile
- 13.58–14.07 "Gut Immune Responses of Chinook Salmon (*Oncorhynchus tshawytscha*) and how to improve them using probiotics" Brian Dixon, University of Waterloo, Waterloo, Canada
- 14.10–15.30 Lunch Break/Poster mounting
- 15.30–17.25 **Symposium "Gut feelings: exploring intestinal immunity and its extraintestinal impact"**
Chairs: Caroll Beltrán and Rodrigo Naves
- 15.30–15.55 "Regulation of intestinal Th17 responses by the unfolded protein response sensor IRE1 in myeloid cells" Fabiola Osorio, Universidad de Chile, Chile
- 16.00–16.25 "Microbiota-derived metabolites controls the trafficking of gut immune cells to central nervous system during autoimmunity" Carolina Prado, Universidad San Sebastián/Fundación Ciencia & Vida, Chile
- 16.30–16.55 "The Brain-Gut-Axis: an integrated approach from neuroscience to immunology" Javier Bravo, Pontificia Universidad Católica de Valparaíso, Valparaíso, Chile
- 17.00–17.25 "Microbiota-dependent T-cell response to α -synuclein-derived antigens triggers the development of Parkinson's disease" Rodrigo Pacheco, Universidad San Sebastián/Fundación Ciencia & Vida, Chile
- 17.30–19.00 Coffee Break + Poster Session (28–54)
- 20.30 Dinner

Scientific Program

Friday 29th

- 8.45–9.25 **Plenary Talk**
Chair: Carolina Ribeiro
"One as the sum of many: *Filifactor alocis* requires TLR2 and the oral commensal microbial community to display its full pathogenic potential"
Silvia Uriarte, University of Louisville, Louisville, United States
- 9.35–11.50 **Symposium "Latest advances in mucosal immunology: from oral to gut"**
Chairs: Glauben Landskron and Estefanía Nova-Lamperti
- 9.35–10.15 "Gut bacteria wrestle with sumo in the intestinal arena" David Ribet, Institute Pasteur, France
- 10.20–10.45 "PANX1 hemichannel: A molecular bridge connecting tumor cells and the microenvironment in colon cancer" Marjorie de La Fuente, Universidad Finis Terrae, Chile
- 10.50–11.15 "Role of STAT3 during oral mucosal immunopathology" Nicolás Dutzan, Universidad de Chile, Chile
- 11.20–11.45 "Dysfunctional inflammatory pathways: implications for chronic diseases affecting the intestinal mucosa" Marcela Hermoso, Universidad de Chile/University of Gröningen, The Netherlands
- 11.50–12.05 BD Biosciences - Sponsor short talk
- 12.10–12.45 Coffee Break
- 12.45–14.00 **Short Talks**
Chairs: Alejandra Gleisner and Daniela Sauma
- 12.56–13.05 "Evaluation of GelMA hydrogels immune response as biomaterial for the development of functional implants" Cristina Padilla, Universidad de los Andes, Chile
- 13.07–13.16 "Role of mitochondrial transfer of Mesenchymal stem/stromal cells on the phenotype of synovial macrophages to restrain the progression of Osteoarthritis" Liliana Yantén-Fuentes, Universidad de los Andes/IMPACT, Chile
- 13.18–13.27 "Small extracellular vesicles from different subsets of T regulatory cells reveal cell death-related proteins as cargo highlighting cytotoxicity as a suppression mechanism" Javiera de Solminihac, Universidad de los Andes, Chile

Friday 29th – continuation

- 13.29–13.38 "Periodontitis and peri-implantitis-associated dysbiotic bacterial communities activate STAT3 in oral epithelial cells" Marion Arce, Universidad de Chile, Chile
- 13.40–13.49 "HLA class I presented peptides, derived from Rheumatoid Arthritis (RA) synovial tissue differentially activate CD8+ T cells from RA patients" Miqueas Jaime, Universidad de Chile, Chile
- 13.51–14.00 "Small extracellular vesicles from metabolically reprogrammed mesenchymal stem/stromal cell as a potential immunosuppressive mechanism for inflammatory and autoimmune diseases" Eliana Lara, Universidad de los Andes/IMPACT, Chile
- 14.10–15.30 Lunch Break
- 15.30–16.10 **Plenary Talk**
Chair: Karina Pino-Lagos
"Use of highly purified expanded allospecific regulatory T cells as therapeutic tools in kidney transplantation " Gloria Soldevila, Universidad Nacional Autónoma de México, Mexico
- 16.10–16.30 ASOCHIN Trajectory award 2024
- 16.30–16.45 Arquimed – Sponsor short talk
- 16.45–17.15 **Poster and Oral Presentations Awards**
- 17.15–17.30 Closing words
- 17.30–18.30 ASOCHIN members meeting
- 20.00 Dinner
- 22.00 Party