

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,
University of Rouen, 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 Solminihaq, 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