SCIENTIFIC PROGRAM

MONDAY	NOVEMBER 9
15:00–19:00	Registration
15:00–18:00	Poster setup and presentation projection tests
18:00–19:30	**Icebreaker**

TUESDAY	NOVEMBER 10
8:00–8:30	Registration
8:30–10:00	Opening Ceremony
10:10–10:40	**Keynote Talk: Dr. Fernando Mardones** **From evidence to action: Scientific Advances in *Piscirickettsia salmonis* Towards an Integrated Disease Management Strategy**
10:40–11:10	Coffee break
11:10–12:10	**Session I: Environmental Epidemiology (Chairperson: Manuel Estay / Rolando Ibarra)** **10 years of epidemiological surveillance in salmon farming in chile: a 2014-2024 retrospective study of infectious disease mortality risk** *Benjamín Diethelm-Varela, Pontificia Universidad Católica de Chile, Chile* **Bayesian back-calculation of the onset and temporal trajectory of reconstructed fatal Piscirickettsia salmonis infections from mortality records in two Chilean salmon farms.** *Rodrigo Montes Aste, INCAR², Chile* **SRS and the evolution of ai: a vision from adjacent aquaculture diseases** *Agustín Piña, Manolin, United States* **Risk factors associated with srs mortality at month 8 and at the end of the production cycle in atlantic salmon in the Los Lagos and Aysén regions of Chile** *Alex Moyano Escobar, Aquabench, Chile*
12:15–12:30	Official Conference Photograph
12:30–14:00	Lunch
14:00–14:30	**Keynote Talk: Dr. Frank Asche** **Social and economic impacts of disease in the salmon industry**

14:30–16:00	**Session II: Genetics and Genomics** (Chairperson: Yeny Leal / Jorge Mancilla) **Fine-mapping SRS resistance in atlantic salmon to improve genomic selection and identify gene-editing targets** *Rayner Gonzalez-Prendes, Hendrix Genetics, The Netherlands* **Exploring genome-wide presence–absence variation across atlantic salmon families with contrasting resistance to *Piscirickettsia salmonis*** *Diego Valenzuela, INCAR², Chile* **The fewer, the better: The role of transcriptional frontloading in atlantic salmon resistance to *Piscirickettsia salmonis*** *Alberto Sandoval, INCAR², Chile* **A major QTL for resistance against salmonid rickettsial septicaemia in coho salmon (*Oncorhynchus kisutch*) maps to a narrow region on chromosome 21, implicating two candidate genes** *Thomas Moen, AquaGen, Norway* **Unraveling the genomic basis and convergent evolution of resistance to *Piscirickettsia salmonis* in Atlantic (*Salmo salar*) and Coho (*Oncorhynchus kisutch*) Salmon** *Victor Martinez, Universidad de Chile, Chile* **Automated phenotyping strengthens genetic evaluation of growth and SRS resistance in salmon breeding programs** *Osiel Guzmán, Caleta Bay, Chile*
16:00–16:30	Coffee break
16:30–17:45	**Session III: SRS Control Tools** (Chairperson: Antonio Casuso / Carolina San Martín) **Systematic literature review of costs associated with different management strategies aiming to reduce pathogen infestations in salmon farming.** *Jorge Dresdner-Cid, INCAR², Chile* **Nutritional conditioning to enhance bioresilience against salmonid rickettsial septicaemia** *Carolina San Martin, NML-GROUP, Chile* **A model for cost-benefit analysis of antimicrobial use in salmon aquaculture** *Manuel Estay, INCAR², Chile* **Development of new live attenuated vaccine for global SRS control** *Jaime Tobar, Vaxxinova, Norway* **Development of a recombinant BCG-based vaccine expressing a chimeric protein against *Piscirickettsia salmonis*** *Esteban Valdevenito, Pontificia Universidad Católica de Chile, Chile*
18:00–19:30	Conference Reception

WEDNESDAY	NOVEMBER 11
9:00–9:10	Daily welcome
9:15–9:45	**Keynote Talk: Dr. Hamish Rodger** **Global lessons, local solutions: Piscirickettsiosis in Europe and its main challenges. How the PisciNor® project and international collaborative research contribute to knowledge to control the disease in Chile and the world.**
10:00–11:15	**Session IV: SRS Control Tools (Chairperson: Diego Valenzuela / Carolina San Martín)** **Beyond SRS: lessons from emerging bacterial diseases in atlantic salmon** *Bjorn Krossoy, VAXXINOVA, Norway* **Global developments in vaccination against SRS** *Marius Karlsen, PHARMAQ, Norway* **Development and validation of a functional feed to increase resilience against *Piscirickettsia salmonis* in atlantic salmon (*Salmo salar*)** *Gabriela Carril, BioMar AS, Norway* **INNBOOST®: Bringing precision medicine to aquaculture, a new recombinant protein-based feed additive to prevent SRS outbreaks.** *Jorn Bethke, AQUIT, Chile* **Strategies and best management practices in Chilean salmon aquaculture: evidence from the Pincoy initiative** *Pablo Ibieta, Iniciativa Pincoy, Chile*
11:15–11:45	Coffee break
11:45–13:00	**Session V: Environmental Epidemiology (Chairperson: Rodrigo Montes / Daniel Jiménez)** **Freshwater health history and host physiological-inmunological condition as potential determinants of SRS susceptibility after seawater transfer: preliminary evidence.** *Jorge Mancilla, Mowi, Chile* **Treatment management determinant of antibiotic use against salmon rickettsial syndrome** *Daniel Jiménez, Aquabench S.A., Chile* **Prisma-SRS: an evidence-based decision-support calculator for piscirickettsiosis risk and intervention prioritisation at the farm level in Chilean salmon aquaculture** *Fernando Mardones, University of Ediburgh, Scotland* **Antimicrobial susceptibility surveillance of *Piscirickettsia salmonis* in Chile: regional, genogroup, and temporal trends (2017–2025).** *Cristian Valenzuela, Instituto de Fomento Pesquero, Chile* **Bayesian back-calculation of the onset and temporal trajectory of reconstructed fatal *Piscirickettsia salmonis* infections from mortality records in two Chilean salmon farms** *Rodrigo Montes, INCAR², Chile*

13:00–14:00	Lunch
14:00–15:15	**Session VI: SRS Control Tools** (Chairperson: Yeny Leal / Marcos Mancilla) **AI applied to the discovery and in vitro validation of natural antibacterials against *Piscirickettsia salmonis*: from 500,000 individual compounds identified to an effective combination with a low minimum inhibitory concentration (MIC)** *Francisco Arancibia, ISR-BIO, Chile* **Contemporary *Piscirickettsia salmonis* field isolates demand updated challenge models: a standardized platform based on LF-89 and EM-90 genogroups** *Pablo Ibieta, TekBios Ltda., Chile* **Smoltvision case study; positive synergy with the use of ALPHA JECT LIVAC SRS vaccine.** *Jorge Infante, PHARMAQ Analytiq, Chile* **Yelcho experimental trial: evaluation of vaccines and vaccination strategies for improved immunity against SRS** *Daniel Woywood, Aquabench, Chile* **Seawater immersion booster vaccination reduces SRS-associated mortality under commercial atlantic salmon farming conditions** *Carlos Saffie, Veterquimica, Chile*
15:15–16:45	**Session VII: Genetics and Genomics** (Chairperson: Diego Valenzuela / Alejandro Heisinger) **Genomic selection for SRS resistance increases survival in the field** *Thomas Moen, AquaGen, Norway* **Transposable element activation and alternative splicing reprogramming during piscirickettsiosis: a comparative genomic study in rainbow trout (*Oncorhynchus mykiss*)** *Rodrigo Vidal, Universidad de Santiago de Chile, Chile* **Single-nuclei RNA sequencing reveals the immune cell landscape of atlantic salmon head kidney during *Piscirickettsia salmonis* infection.** *Yeny Leal, INCAR², Chile* **Major Locus and candidate genes controlling survival against SRS in coho salmon** *Jose Manuel Yañez, Universidad de Chile, Chile* **Comparative metabolomic and metagenomic profiling of atlantic salmon families with contrasting resistance to *Piscirickettsia salmonis* across freshwater and seawater stages** *Constanza Saez-Vera, INCAR², Chile* **GWAS meta-analysis of resistance against *Piscirickettsia salmonis* in coho salmon (*Oncorhynchus kisutch*)** *Constanza Urzúa, Universidad de Chile, Chile*

16:45–17:15	Coffee break
17:15–18:15	**Session VIII: Animal Welfare** (Chairperson: Fernando Mardones / Ruben Avendaño) **NUTRIPATH: integrating immunonutrition and multi-layered diagnostics to support health and welfare in challenged salmonids** *Byron Morales, Norwegian University of Life Sciences, Norway* **Spatial clustering of antimicrobial use and *Piscirickettsia salmonis* mortality in Chilean salmon aquaculture: a risk-based framework for targeted amr surveillance** *Roberto Montt, CERES BCA, Chile* **Temporal host–pathogen signatures in atlantic salmon skin mucus during experimental *Piscirickettsia salmonis* infection** *Marcos Mancilla, ADL Diagnostic Chile, Chile* **The YELCHO alliance: a new model of public-private governance and engagement with the animal health sector** *Fernando Flores, Executive Director, Alianza Yelcho, Chile*
18:15–19:30	Closing Ceremony and Social event

Note: Presentation titles are preserved in their original language. Verify the November 10 photograph/lunch overlap, missing titles, and speaker affiliations before publication.

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POSTERS PRESENTATION

Evaluation of peruvian maca (*Lepidium meyenii*) extract on immunomodulation, antioxidant defense and epithelial barrier integrity against *Piscirickettsia salmonis* in rtgut-gc cells	*Natacha Santibáñez*
Transposable element activation and alternative splicing reprogramming during piscirickettsiosis: a comparative genomic study in rainbow trout (*Oncorhynchus mykiss*)	*Rodrigo Vidal*
Identification and genomic characterization of the type 1 secretion system (T1SS) in *Piscirickettsia salmonis*	*Matías Vega*
Repeated exposure to sub-inhibitory concentrations of florfenicol induce the expression of antibiotic resistance-associated proteins in biofilm-embedded *Piscirickettsia salmonis*.	*Cristian Oliver*
Explainable GNN disease module detection in the salmo salar macrophage response to *Piscirickettsia salmonis*	*Cristian Figueroa*
Non-pharmacological solution to modulate the immunogenicresponse to srs in salmonid species	*Ángel Valenzuela*
In silico identification, transcriptomic profiling, and characterization of cell wall hydrolases from *Piscirickettsia salmonis* for the development of antibiofilm platforms	*Adrián Rodríguez*
Histopathological characterization of granulomatous lesions associated with *Piscirickettsia salmonis* in atlantic salmon (*Salmo salar*) from seawater farming sites	*Denis Cárdenas*
Vaccination at different life stages determines the immune response to *Piscirickettsia salmonis* in atlantic salmon: a transcriptome analysis	*Antonio Casuso*
Integrative transcriptomics uncovers the mechanisms of hint3-Mediated SRS resistance in coho salmon (*Oncorhynchus kisutch*)	*Jessica Dorner*
A morpholino-based approach to investigate trim33l, a candidate gene associated with salmonid rickettsial septicaemia resistance in atlantic salmon	*Marcela González*
Assessment of the antimicrobial potential of a characterized vitis vinifera vine extract against *Piscirickettsia salmonis*	*Claudia Mardones*
Mechanistic insights into cytoskeletal Involment in *P. salmonis* traslocation across epithelial RTGutGC cells	*Raibel Suarez*
The pangenome of *Piscirickettsia salmonis* reveal, different evolutionary trajectories given host-pathogen interaction and environmental production factors.	*Víctor Martínez*