

International Workshop
"Exploring Chilean Microbial Diversity: New
Taxa and their Biotechnological Applications"

8 -10 de Septiembre 2025
Universidad Técnica Federico Santa María
Valparaíso - Chile

Programa

Día 1 - Lunes 8 de septiembre

Time	Day 1 (08/10)	
Ubicación	Salón A4 Edificio A	
9:00-10:00	Edward Moore	
10:00-10:30	Michael Seeger	From Chilean Biodiversity through Microbial Functional Genomics to Biotechnological Applications for a Circular Bioeconomy
10:30-11:00	Coffee break	
11:00-11:20	Fernanda Claverías	Dual Track: Genome-Based Systematics and Family-Wide RiPP Genome Mining, with <i>Spiractinospora alimapuensis</i> (Valparaíso, Chile) as a focal case
11:20-11:40	Francisca Alarcón	<i>Saccharomyces chiloensis</i> sp. nov.: A Genetically Distinct Yeast for Low-Alcohol Beer Innovation
11:40-12:00	Coffee break	
12:00-12:15	Valeria Razmilic	Unveiling the biotechnological potential of Actinobacteria isolated from Atacama Desert soils
12:15-12:30	Diego Beecher	Ecogenómica de virus de ARN marinos de Chile y la Antártica
12:30-12:45	Leonardo Zamora	First glimpse into the unique biodiversity of <i>Nitrophila atacamensis</i> , an endemic and endangered plant in the Atacama Desert
12:45-13:00	Mario Fernández	Fungal diversity and screening of enzymatic potential in soils of the Chilean Altiplano
13:00-15:00	LUNCH	
Ubicación	Sala cowork Edificio Bari	
15:00-18:00	Experimental Lab	Hands on How to obtain bacterial isolates from environmental samples for biotech applications

Auspician:



Proyecto
FOVI 240071



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SOCIEDAD
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Día 2 - Martes 9 de septiembre

Time	Day 2 (09/10)	
Ubicación	Salón A4 Edificio A	
9:00-10:00	Alesia Tietze	Beyond antibiotics: Disarming Bacterial Pathogens to Tackle Resistance
10:00-10:30	Beatriz Cámara	Unlocking the Antimicrobial Potential of South Pacific Marine Actinomycetes
10:30-11:00	Coffee break	
11:00-11:20	Alexandra Stoll	Tolerancia sistémica inducida por rizobacterias en tomate bajo déficit hídrico
11:20-11:40	Jean Franco Castro	The INIA Microbial Bank: exploring, preserving, and enabling the use of the microbial diversity for future applications
11:40-12:00	Coffee break	
12:00-12:15	Eduardo Sánchez	Metabologenomic studies of the rare actinomycete genus <i>Salinibacterium</i> reveal potential novel bioactive compounds produced by strain AL4.1, isolated from the Chilean Patagonia
12:15-12:30	Mariela González	Soil Ecological Fingerprints of Tomato Root Health and Disease
12:30-12:45	Pablo Quintrel	Allelic variation in MAL33 drives ecological adaptation of maltose metabolism in native Patagonian strains of <i>Saccharomyces eubayanus</i>
12:45-13:00	Bárbara Peña	Climate and plant compartment drive rhizosheath microbial community assembly in Chilean Andean grasses
13:00-15:00	LUNCH	
Ubicación	Salón A4 Edificio A	
15:00-16:00	Round table	¿Cómo posicionamos a la biodiversidad microbiana y la preservación de recursos microbianos en el desarrollo de I+D biotecnológico nacional?
16:00-18:00	Poster session	

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Día 2 - Martes 9 de septiembre

Time	Day 3 (10/10)	
Ubicación	Salón T Edificio T	
9:00-10:00	Yvonne Mast	Exploiting the Biosynthetic Potential of Actinomycetes through Genome Mining and Genetic Engineering
10:00-10:30	Eduardo Castro-Nallar	Do microbes travel from Patagonia to Antarctica
10:30-11:00	Coffee break	
11:00-11:20	Jean Baptiste Ramond	Chilomics: Microbial Ecology of Extreme Chilean Environments
11:20-11:40	Roberto Orellana	Silent Streams: From Contamination to Remediation of (Sub)Surface Waters
11:40-12:00	Coffee break	
12:00-12:15	Paulina Vega	Chilean wild flora from cold environments: a resource for isolating new bacterial species with agricultural applications
12:15-12:30	Christian Oporto	Temperature drives local adaptation and reproductive strategies in wild <i>Saccharomyces eubayanus</i> from Chilean Patagonia
12:30-13:00	José Manuel Pérez	New Species, New Solutions; Chile's microbial diversity for agriculture, enology and nanotechnology
13:00-15:00	LUNCH	
Ubicación	Sala P02 Edificio P	
15:00-18:00	Bioinformatic Lab	Hands on I obtained a sequenced genome, What do I do now?

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