



Doctorado en Ciencias
de Recursos Naturales
Acreditado 8 años
Hasta Junio de 2032
INSTITUCIÓN ACREDITADA 6 AÑOS



BIOREN - UFRO
Scientific and Technological Bioresource Nucleus



4th APPLIED MICROBIAL ECOLOGY WEBINAR (PART 2): EXPLORING THE ECOLOGY OF THE MICROBIAL WORLD

**Programa de Doctorado en Ciencias de Recursos Naturales
& Sociedad de Biología de Chile**

Universidad de La Frontera, Campus Pucón, Pucón – Chile

ZOOM Meeting link: <https://us02web.zoom.us/j/89431333495?pwd=qRMnilwR1VlJLN75d6La0JrXI6JAZ0.1&jst=2>

Tentative Program

Time*	Title	Moderator/Speaker
Wednesday, December 3rd, 2025		
10:25–10:30 (5 min)	Opening (<i>Online</i>)	Representante, Sociedad de Biología de Chile
10:30–11:00 (30 min)	Bioprospecting of microbial resource by new cultivation methods (<i>Online</i>)	Dr. Shan He, Ningbo University, China https://scholar.google.com/citations?hl=es&user=2FqW2DkAAAAJ
11:00–11:30 (40 min)	The role of plasmid in urgent water systems for dissemination of ARG and bacterial defense systems	Søren J. Sørensen, University of Copenhagen, Denmark https://scholar.google.com/citations?hl=es&user=HINN0OQAAAAJ
11:30–12:00 (30 min)	Predicting soil microbial activity and pesticide degradation using remote and proximal sensing technologies at field scale	Dr. Lukas Wick, UFZ-Leipzig, Germany https://scholar.google.com/citations?hl=es&user=fpFSip0AAAAJ
12:00–12:30 (30 min)	Bacterial response mechanisms to selective environments as a foundation for bioprospecting	Marcos Pileggi, Universidade Estadual de Ponta Grossa, Brazil https://scholar.google.com/citations?hl=es&user=EeJWjXkAAAAJ
12:30–13:00 (30 min)	Some advances on the application of plant-associated bacteria to improve growth and stress tolerance in crops of southern Chile	Milko A. Jorquera, Universidad de La Frontera, Chile https://scholar.google.com/citations?hl=es&user=mb_L_nwAAAAJ
13:05 (5 min)	Remarks and Closing	Moderator: Dr. Milko Jorquera

Organized by:

Laboratorio de Ecología Microbiana Aplicada (EMALAB), Departamento de Ciencias Químicas y Recursos Naturales, Facultad de Ingeniería y Ciencias, Universidad de La Frontera. (Chile).

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FONDECYT #1240602: Chilean winter fall-Valdivian Forest: an unexplored biodiversity hotspot for the secure agricultural production by using hitherto-uncultured bacteria (M. Jorquera)

FONDECYT #1230965: Decreasing the impact of neonicotinoids on microbiological communities and nitrogen cycle-related genes by applying a formulation based on actinobacteria in a soil-plant system (G. Briceño).

FONDECYT #1221228: Development of intelligent cooperative microbial consortia based on in situ cultivation and their functional complementarity to improve lupine stress tolerance (J. Acuña)

Acknowledgments:

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Sociedad de Biología de Chile

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