



Programa preliminar ISME LATINOAMERICANO | ISME-LAT 2021

*Building microbial networks*

Día 1 - 27 de Julio

Horario GTM-5	Sala A: Microbiomas asociados a huéspedes animales	Sala B: Efectos ambientales sobre comunidades microbianas	Sala C: Fagos y Virus
10:00 – 10:30	<b>Palabras de apertura</b>		
10:30 – 11:30	<b>Plenaria 1: Re-direccionamiento del sistema científico para combatir la pandemia de SARS-CoV-2</b> Gonzalo Moratorio Ph.D. Instituto Pasteur de Montevideo Uruguay		
11:30 – 12:00	<b>A1: Insects are empowered by microbes</b> Javier A. Ceja-Navarro Ph.D. Lawrence Berkeley National Laboratory U.S.A.	<b>B1: Taxonomic, functional and environmental interactions in hot springs microbial mats</b> Beatriz Díez Ph.D. Universidad Católica de Chile Chile	<b>C1: Human gut phages and their role as modifiers of microbial communities</b> Alejandro Reyes Ph.D. Universidad de Los Andes Colombia
12:00 – 12:30	<b>A2: La microbiota intestinal de las abejas melíferas</b> Karina Antúnez Ph.D. Instituto de Investigaciones Biológicas Clemente Estable Uruguay	<b>B2: Composition, diversity and functional analysis of long-term hydrocarbons-contaminated soil microbiome</b> Irma Morelli Ph.D. Universidad Nacional de La Plata Argentina	<b>C2: Bacteriophage-mediated manipulation of the gut microbiome</b> Josué Castro Ph.D. University of Copenhagen Dinamarca
12:30 – 12:50	<b>Pausa activa</b>		
12:50 – 13:10	<b>A3: Unveiling the neglected fraction of the ruminal microbiome at the intersection of culturing and molecular approaches</b> Alejandro Caro-Quintero Ph.D. Universidad Nacional de Colombia Colombia	<b>B3: Composition and health impact of city public transport microbiomes</b> María Mercedes Zambrano Ph.D. Corporación Corpogen Colombia	<b>C3: Bacteriophages as a precision tool for controlling undesired microbiota partners</b> Martha Vives Ph.D. Universidad de Los Andes Colombia
13:10 – 13:30	<b>A4: Prokaryotic, fungal, and unicellular eukaryotic core communities across three sympatric marine sponges from the southwestern atlantic coast are dominated largely by deterministic assemblage processes</b> Cristiane Haridoim Ph.D. University of São Paulo Brasil	<b>B4: Pollution and bioremediation drives the microbial communities in soils and water</b> Michael Seeger Ph.D. Universidad Tecnica Federico Santa Maria Chile	<b>C4: Metagenomic CRISPR reconstruction disentangle bacteria-phage dynamics</b> Leandro Guerrero Ph.D. Instituto de Investigaciones en Ingeniería Genética y Biología Molecular Argentina
13:30 – 14:30	<b>Plenaria 1: Linking the gut microbiome and metabolome to understand dietary response</b> Rob Knight Ph.D. Universidad de California - San Diego USA		
14:30 - 16:30	<b>Sesión de Póster</b>		



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Día 2 - 28 de Julio

Horario GTM-5	Sala D: Biotecnología Microbiana	Sala E: Métodos aplicados en ecología microbiana y herramientas computacionales	Sala F: Extremófilos
10:00 – 11:00	Plenaria 2: <b>Codiversification of gut microbiota with humans</b> Ruth Ley Ph.D. Instituto Max Planck Alemania		
11:00 – 11:30	<b>D1: Biotechnological potential of insect gut microbiome</b> Paola Talia Ph.D. Instituto de Tecnología Agropecuaria Argentina	<b>E1: Quantitative prediction of complex functions in constructed ecosystems using machine learning</b> Ulisses Nunes da Rocha Ph.D. The Helmholtz-Centre for Environmental Research Alemania	<b>F1: Microbial diversity in deep-sea habitats of the Southwestern Atlantic</b> Vivian Helena Pellizari Ph.D. University of Sao Paulo Brasil
11:30 – 12:00	<b>D2: The microbes in our food and their potential to become health solutions</b> Gerardo Toledo Ph.D. Solarea Bio Inc. U.S.A.	<b>E2: Indexing the genomic diversity of Archaea and Bacteria with MiGA, the Microbial Genomes Atlas</b> Luis Miguel Rodríguez Ph.D. University of Innsbruck Austria	<b>F2: Título por confirmar</b> María Sofía Urbieto Ph.D. Universidad Nacional de la Plata Argentina
12:00 – 12:20	<b>Pausa activa</b>		
12:20 – 12:40	<b>D3: Effect of inhibitors over the anaerobic digestion process based on the metabolic reconstruction of the process</b> María Francisca Villegas Universidad ICESI Colombia	<b>E3: PIME: capturing biological differences using prevalence.</b> Victor Pyrlo Ph.D. Federal University of Lavras Brasil	<b>F3: Recovering microbial genomes in Antarctic and subsurface ecosystems through metagenomics</b> Amanda G. Bendía Ph.D. Universidad de São Paulo Brasil
12:40 – 13:00	<b>D4: Genomic analysis of biodegradation pathways for furans and their relevance for bioconversion of lignocellulosic biomass</b> Danilo Perez-Pantoja Ph.D. Universidad Tecnológica Metropolitana Chile	<b>E4: Análisis comparativo de genomas en PGPR: Identificando rasgos genéticos involucrados en la interacción planta-bacteria bajo condiciones de estrés abiótico.</b> Claudio Córtez Vásquez Ing. Biotec. Centro de estudios Avanzados en Zonas Áridas (CEAZA) Chile	<b>F4: Tracking arsenic metabolism in the Salar de Huasco - Altiplanic environment, via genome-resolved metagenomics.</b> Juan Castro-Severyn Ph.D. Universidad Católica del Norte Chile
13:00 – 14:00	Plenaria 2: <b>The human microbiome in a disruptive era</b> María Domínguez Ph.D. Universidad Rutgers USA		
14:00 - 16:00	Sesión de Póster		



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Día 3 - 29 de Julio

Horario GTM-5	Room G: Ecología microbiana sintética	Room H: Ecología microbiana de comunidades mixtas	Room I: Microbiomas asociados a plantas
10:00 – 11:00	<p>Plenaria 3: <b>Structuring the soil microbiome by the cultivation of cover crops</b>            Fernando Dini Andreote Ph.D.            Universidad de São Paulo            Brasil</p>		
11:00 – 11:30	<p><b>G1: Rules of microbial community assembly in simple environments</b>            Sylvie Estrela Ph.D.            Yale University            U.S.A.</p>	<p><b>H1: Verrucomicrobiota degrade sulfated methyl pentoses during diatom blooms</b>            Luis H. Orellana (Coto) Ph.D.            Max Planck Institute            Alemania</p>	<p><b>I1: Seed transmitted <i>Proteobacteria</i> form the core microbiome of juvenile angiosperm plants</b>            David Johnston-Monje Ph.D.            Universidad del Valle            Colombia</p>
11:30 – 12:00	<p><b>G2: Providing complex biological outputs by engineering division of labor in bacteria</b>            Juan Nogales Ph.D.            Centro Nacional de Biotecnología            España</p>	<p><b>H2: Bacterivory by mixotrophic phytoflagellates</b>            Fernando Unrein Ph.D.            Instituto de Investigaciones Biotecnológicas de Chascomús            Argentina</p>	<p><b>I2: El efecto de la domesticación sobre el microbioma rizósferico de tomate</b>            Alexandra Stoll Ph.D.            Centro de Estudios Avanzados en Zonas Áridas -            CEAZA            Chile</p>
12:00 – 12:20	<b>Pausa activa</b>		
12:20 – 12:40	<p><b>G3: A top-down enrichment strategy to guide the design of synthetic microbial consortia</b>            Diego Jiménez Ph.D.            Universidad de Los Andes            Colombia</p>	<p><b>H3: A proposed framework for the consolidation of a South America mycorrhizal database.</b>            Jessica Duchicela Ph.D.            Universidad de las Fuerzas Armadas - ESPE            Ecuador</p>	<p><b>I3: Harnessing the microbiome to control plant parasitic weeds</b>            Francisco Dini Andreote Ph.D.            Pennsylvania State University            U.S.A.</p>
12:40 – 13:00	<p><b>G4: Synthetic community invasion depends on secondary metabolite production in <i>Bacillus subtilis</i></b>            Carlos N. Lozano-Andrade cPhD            Technical University of Denmark            Dinamarca</p>	<p><b>H4: Genome of a new <i>Candidatus anammox</i> bacteria assembled from the metagenome of two anammox reactors</b>            Pía Oyarzúa cPhD            Universitat Autònoma de Barcelona            España</p>	<p><b>I4: Simulated climate change in a semiarid shrubland decreased the phylogenetic diversity of arbuscular mycorrhizal fungal communities</b>            María del Mar Alguacil Ph.D.            EEZ (CSIC)            España</p>
13:00 – 14:00	<b>Sesión de mejores póster</b>		



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**Día 4 - 30 de Julio**

Horario GTM-5	Sala J: Ecología microbiana de suelos	Sala K: Ecología microbiana de ambientes acuáticos	Sala L: Microbioma humano y salud
10:00 – 11:00	<b>Plenaria 4: The Art of Harnessing Dark Energy: Symbioses between Chemosynthetic Bacteria and Marine Invertebrates</b> Nicole Dubilier Ph.D. Presidenta de la sociedad internacional de ecología microbiana - ISME I Max Planck Institute Alemania		
11:00 – 11:30	<b>J1: The rhizosphere microbiome as a tool for a sustainable agriculture</b> Lucas William Mendes Ph.D. Universidade de São Paulo Brasil	<b>K1: Mangrove Microbiome Initiative (MMI)</b> Alexandre Soares Rosado Ph.D. King Abdullah University of Science and Technology Arabia Saudita	<b>L1: A simpler niche? A microbial ecologist's guide to cervicovaginal microbiota in health and disease</b> Fillipa Godoy-Vitorino Ph.D. Universidad de Puerto Rico Puerto Rico
11:30 – 12:00	<b>J2: The ecology of bacterial invasions</b> Joana Falcao Salles Ph.D. University of Groningen Brasil	<b>K2: Differences in the microbial community structure in sediments from the Yucatan underground aquifer appear to be determined by physical and chemical characteristics posed by coastal and inland environments</b> Alejandra Prieto Davó Ph.D. Universidad Nacional Autónoma de México México	<b>L2: A systems genetics approach to dissect interactions between gut microbes, metabolites and the host</b> Federico Rey Ph.D. University of Wisconsin-Madison U.S.A.
12:00 – 13:00	<b>Pausa activa larga</b>		
13:00 – 13:20	<b>J3: Using soil probiotics to improve the efficiency of phosphorus fertilizers in the tropic</b> German Estrada Ph.D. AGROSAVIA Colombia	<b>K3: Microbiome manipulation elicits metabolic and genetic restructuring and improves coral biology</b> Raquel Silva Peixoto Ph.D. King Abdullah University of Science and Technology Arabia Saudita	<b>L3: The Latinbiota Consortium: understanding composition and variation of human gut microbiota in Latin American populations</b> Gregorio Iraola Ph.D. Instituto Pasteur de Montevideo Uruguay
13:20 – 13:40	<b>J4: Spatial and temporal biogeographic distribution of soil bacterial community in cranberry soils</b> Thiago Gumiere Ph.D. Laval University Canadá	<b>K4: Disentangling the bacterial metabolic-interactions on Brazilian soda lakes</b> Simone Cota Ph.D. CENA/USP Brasil	<b>L4: Gut bugs matter to viroimmunotherapy: bacterial changes associated to the efficacy of Delta-24-RGDOX against glioblastoma</b> Natalie M. Melendez-Vazquez cPhD University of Puerto Rico Puerto Rico
13:40 – 14:30	<b>Mesa redonda: Sociedad y ciencia en América Latina</b>		
14:30 – 15:30	<b>Clausura: Microbial ecology in a changing world: public policy, interdisciplinarity and outreach</b> Cristina Dorador Universidad de Antofagasta Chile		