



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	Palabras de apertura		
10:30 – 11:30	Plenaria 1: Re-direccionamiento del sistema científico para combatir la pandemia de SARS-CoV-2 Gonzalo Moratorio Ph.D. Instituto Pasteur de Montevideo Uruguay		
11:30 – 12:00	A1: Insects are empowered by microbes Javier A. Ceja-Navarro Ph.D. Lawrence Berkeley National Laboratory U.S.A.	B1: Taxonomic, functional and environmental interactions in hot springs microbial mats Beatriz Díez Ph.D. Universidad Católica de Chile Chile	C1: Human gut phages and their role as modifiers of microbial communities Alejandro Reyes Ph.D. Universidad de Los Andes Colombia
12:00 – 12:30	A2: La microbiota intestinal de las abejas melíferas Karina Antúnez Ph.D. Universidad de la República Uruguay	B2:	C2: Bacteriophage-mediated manipulation of the gut microbiome Josué Castro Ph.D. University of Copenhagen Dinamarca
12:30 – 12:50	Pausa activa		
12:50 – 13:10	A3: Unveiling the neglected fraction of the ruminal microbiome at the intersection of culturing and molecular approaches Alejandro Caro-Quintero Ph.D. Universidad Nacional de Colombia Colombia	B3: Composition and health impact of city public transport microbiomes María Mercedes Zambrano Ph.D. Corporación Corpogen Colombia	C3: Bacteriophages as a precision tool for controlling undesired microbiota partners Martha Vives Ph.D. Universidad de Los Andes Colombia
13:10 – 13:30	A4:	B4:	C4:
13:30 – 14:30	Plenaria 1: Linking the gut microbiome and metabolome to understand dietary response Rob Knight Ph.D. Universidad de California - San Diego USA		
14:30 - 15:30	Sesión de Póster		



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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: Codiversification of gut microbiota with humans Ruth Ley Ph.D. Instituto Max Planck Alemania		
11:00 – 11:30	D1: Biotechnological potential of insect gut microbiome Paola Talia Ph.D. Instituto de Tecnología Agropecuaria Argentina	E1: Quantitative prediction of complex functions in constructed ecosystems using machine learning Ulisses Nunes da Rocha Ph.D. The Helmholtz-Centre for Environmental Research Alemania	F1: Microbial diversity in deep-sea habitats of the Southwestern Atlantic Vivian Helena Pellizari Ph.D. University of Sao Paulo Brasil
11:30 – 12:00	D2: The microbes in our food and their potential to become health solutions Gerardo Toledo Ph.D. Solarea Bio Inc. U.S.A.	E2: Indexing the genomic diversity of Archaea and Bacteria with MiGA, the Microbial Genomes Atlas Luis Miguel Rodríguez Ph.D. University of Innsbruck Austria	F2: Título por confirmar María Sofía Urbieto Ph.D. Universidad Nacional de la Plata Argentina
12:00 – 12:20	Pausa activa		
12:20 – 12:40	D3: Effect of inhibitors over the anaerobic digestion process based on the metabolic reconstruction of the process María Francisca Villegas Universidad ICESI Colombia	E3: PIME: capturing biological differences using prevalence. Victor Pyrlo Ph.D. Federal University of Lavras Brasil	F3: Recovering microbial genomes in Antarctic and subsurface ecosystems through metagenomics Amanda G. Bendía Ph.D. Universidad de São Paulo Brasil
12:40 – 13:00	D4:	E4:	F4:
13:00 – 14:00	Plenaria 2: The human microbiome in a disruptive era María Domínguez Ph.D. Universidad Rutgers USA		
14:00 - 15:00	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	Plenaria 3: Structuring the soil microbiome by the cultivation of cover crops Fernando Dini Andreote Ph.D. Universidad de São Paulo Brasil		
11:00 – 11:30	G1: Rules of microbial community assembly in simple environments Sylvie Estrela Ph.D. Yale University U.S.A.	H1: Verrucomicrobiota degrade sulfated methyl pentoses during diatom blooms Luis H. Orellana (Coto) Ph.D. Max Planck Institute Alemania	I1: Seed transmitted <i>Proteobacteria</i> form the core microbiome of juvenile angiosperm plants David Johnston-Monje Ph.D. Universidad del Valle Colombia
11:30 – 12:00	G2: Providing complex biological outputs by engineering division of labor in bacteria Juan Nogales Ph.D. Centro Nacional de Biotecnología España	H2: Bacterivory by mixotrophic phytoflagellates Fernando Unrein Ph.D. Instituto de Investigaciones Biotecnológicas de Chascomús Argentina	I2: El efecto de la domesticación sobre el microbioma rizósferico de tomate Alexandra Stoll Ph.D. Universidad de la Serena Chile
12:00 – 12:20	Pausa activa		
12:20 – 12:40	G3: A top-down enrichment strategy to guide the design of synthetic microbial consortia Diego Jiménez Ph.D. Universidad de Los Andes Colombia	H3: Título por confirmar Jessica Duchicela Ph.D. Universidad de las Fuerzas Armadas - ESPE Ecuador	I3: Harnessing the microbiome to control plant parasitic weeds Francisco Dini Andreote Ph.D. Pennsylvania State University U.S.A.
12:40 – 13:00	G4:	H4:	I4:
13:00 – 14:00	Sesión de mejores póster	Sesión de mejores póster	Sesión de mejores póster



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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	Plenaria 4: The Art of Harnessing Dark Energy: Symbioses between Chemosynthetic Bacteria and Marine Invertebrates Nicole Dubilier Ph.D. Presidenta de la sociedad internacional de ecología microbiana - ISME I Max Planck Institute Alemania		
11:00 – 11:30	J1: The rhizosphere microbiome as a tool for a sustainable agriculture Lucas William Mendes Ph.D. Universidade de São Paulo Brasil	K1: Mangrove Microbiome Initiative (MMI) Alexandre Soares Rosado Ph.D. King Abdullah University of Science and Technology Arabia Saudita	L1: A simpler niche? A microbial ecologist's guide to cervicovaginal microbiota in health and disease Fillipa Godoy-Vitorino Ph.D. Universidad de Puerto Rico Puerto Rico
11:30 – 12:00	J2: The ecology of bacterial invasions Joana Falcao Salles Ph.D. University of Groningen Brasil	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 Alejandra Prieto Davó Ph.D. Universidad Nacional Autónoma de México México	L2: A systems genetics approach to dissect interactions between gut microbes, metabolites and the host Federico Rey Ph.D. University of Wisconsin-Madison U.S.A.
12:00 – 13:00	Pausa activa larga		
13:00 – 13:20	J3: Using soil probiotics to improve the efficiency of phosphorus fertilizers in the tropic German Estrada Ph.D. AGROSAVIA Colombia	K3: Microbiome manipulation elicits metabolic and genetic restructuring and improves coral biology Raquel Silva Peixoto Ph.D. King Abdullah University of Science and Technology Arabia Saudita	L3: The Latinbiota Consortium: understanding composition and variation of human gut microbiota in Latin American populations Gregorio Iraola Ph.D. Instituto Pasteur de Montevideo Uruguay
13:20 – 13:40	J4:	K4:	L4:
13:40 – 14:30	Mesa redonda:		
14:30 – 15:30	Plenaria 4: Microbial ecology in a changing world: public policy, interdisciplinarity and outreach Cristina Dorador Universidad de Antofagasta Chile		