

DMS CONGRESS 2025 PROGRAMME			
Monday, November 10 th , 2025 Marmorhallen, University of Copenhagen			
09:00 - 10:00	Registration & Coffee		
09:00 - 10:00	Poster mounting		
10:00 - 10:40	Welcome & Morning Keynotes		
	Auditorium 1	Auditorium 2	Auditorium 3
10:00	Opening address by DMS President, Leise Riber	Opening address by DMS Board Member, Thomas Tørring, Aarhus University	
10:05	Keynote: Thomas Bjarnsholt , Department of Clinical Microbiology, Rigshospitalet, & Department of Immunology and Microbiology, University of Copenhagen <i>Rediscovering the Drivers of Chronic Infections</i>	Keynote: Pablo Ivan Nikel , Novo Nordisk Foundation Center for Biosustainability, Systems Environmental Microbiology, Technical University of Denmark <i>Advanced CRISPR–Cas technologies for precise engineering of Pseudomonas</i>	
10:40	Industry symposium by AH Diagnostics Michael ter Braak : Microbial DNA – Purify the Easy Way!		
10:55 - 11:30	Coffee & exhibition		
11:30 - 12:30	Morning parallel sessions		
	Auditorium 1: Bioinformatics	Auditorium 2: Host microbe interactions	Auditorium 3: Microbial ecosystems
11:30	Session: Bioinformatics & AI Chair introduction: Carlos Acevedo-Rocha , DTU Co-chair: Sebastian Reinhold Sørensen , Novonesis, DMS Board	Session: Interactions of vector associated pathogens Chair introduction: Karen Angeliki Krogfelt , Department of Science and Environment, Roskilde University. Co-chair: Rie Jønsson , Roskilde University, DMS Board	Session: Marine Microbiology Chair introduction: Lars Behrendt , Department of Biotechnology and Biomedicine, Technical University of Denmark Co-chair: Leise Riber , University of Copenhagen, DMS Board
11:35	Carla Greco , Basecamp research <i>Breaking the Biological Data Wall: Building the world’s largest, ethically-sourced database of biological information to pioneer a new class of foundational AI models</i>	Hein Sprong , National Institute of Public Health and Environment (RIVM), Centre for Infectious Disease Control (CIb), Amsterdam, Netherlands <i>Eco-epidemiology of tick-borne disease</i>	Soeren Ahmerkamp , Department of Biogeochemistry, Max Planck Institute for Marine Microbiology, Bremen <i>Connectivity between Microorganisms and their Environment in the Ocean</i>
12:00	Aleksej Zelezniak , Life Science, Chalmers University of Technology, Gothenburg <i>Leveraging Generative AI for Synthetic Biology Applications</i>	Nanna Skaarup Andersen , Odense University Hospital, University of Southern Denmark <i>Tick borne pathogens in Denmark</i>	Maliheh Mehrshad , Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Uppsala <i>Phage-bacteria eco-evolutionary dynamics in freshwater lakes</i>
12:15	Patrick Munk , National Food Institute, Technical University of Denmark <i>Do we have the right tools and data to understand antimicrobial resistance epidemiology?</i>	Lene Jung Kjær , Department of Veterinary and Animal Sciences, University of Copenhagen <i>Predictive methods for risk analysis of vectors and vector borne diseases</i>	Lars Behrendt , Department of Biotechnology and Biomedicine, Technical University of Denmark <i>From resource use to respiration: chemico-biological links between phytoplankton and bacteria in carbon cycling</i>
12:30 - 12:50	Oral abstract presentations	Oral abstract presentations	Oral abstract presentations
12:30	Maria Chuvochina , Aalborg University <i>The Genome Taxonomy Database: Tenth release and transition to Aalborg University</i>	Ana Cuesta-Maté , University of Copenhagen <i>Bees as natural fermenters: The microbial context of honey makin</i>	Naiara Hurtado-lópez , DTU <i>Exploring the Biosynthetic Potential of Marine Sediments Microbiomes: A Multi-omics Approach</i>
12:40	Roni Odai , Lund University <i>The Viral AlphaFold Database of monomers and homodimers reveals conserved protein folds in viruses of bacteria, archaea, and eukaryotes</i>	Suzanne Schmidt , University of Copenhagen <i>Optimised by evolution: nutritional profiling of the fungal crop cultivated by termites for 30 million years</i>	Christian Castenschiold , Aarhus University <i>Marine and Atmospheric Biogenic Ice-Nucleating Particles in Coastal Western Greenland</i>
12:50	Industry symposium by Atrandi Justina Pupkaitė : From Cell to Community: Unlocking Microbial Diversity with Single-Cell Genomics	Industry symposium by New England Biolabs/BioNordika Klaus Tangsgaard : NEBNext for Microbiology: Streamlining NGS Workflows for Microbial Research	Industry symposium by Nordic Biosite / Zymo Research Leonie Redt : Standardizing Microbiomics

13:00 - 13:30	Lunch in the exhibition area		
13:00 - 13:40	Auditorium 2: General assembly for The Danish Pasteur Society		
13:30 - 14:20	POSTER SESSION 1		
Afternoon parallel sessions			
14:20 - 15:20	Auditorium 1: Molecular mechanisms	Auditorium 2: Clinical microbiology	Auditorium 3: Applied microbiology
14:20	Session: Molecular mechanisms in antibiotic resistance Chair introduction: Dorte Frees , Department of Veterinary and Animal Science, University of Copenhagen. Co-chair: Thomas Tørring , Aarhus University, DMS Board	Session: Clinical Microbiology Chair: Marianne Voldstedlund , Statens Serum Institut Co-chair: Trine Rolighed Thomsen , Aalborg University, DMS Board	Session: Green transition and microbiology Chair introduction: Lars Elsgaard , Department of Agroecology, Aarhus University Co-chair: Ole Højberg , Aarhus University, DMS Board
14:25	Dorte Frees , Department of Veterinary and Animal Science, University of Copenhagen. <i>The Role of Penicillin Binding Proteins in Life and Death; New Clues to a still Unsolved Mystery</i>	Kirstine Kobberøe Søgaard , KMA Aalborg <i>The daily work of a clinical microbiologist: Tracing the infection from bug identity to primary focus</i>	Sara Hallin , Department of Forest Mycology and Plant Pathology, Swedish University of Agricultural Sciences, Uppsala, Sweden <i>Enhancing microbial nitrate ammonification for the green transition of agriculture</i>
14:50	Hinrich Schulenburg , Christian-Albrechts-Universitaet zu Kiel <i>Darwin meets the antibiotic crisis: How can we harness evolutionary insights to improve antibiotic therapy</i>	Marianne Voldstedlund , Statens Serum Insitut <i>The Danish Microbiology Database (MiBa) for national surveillance, local infection control, and patient care</i>	Søren O. Petersen , Department of Agroecology, Aarhus University <i>Inhibition of microbial nitrification to reduce greenhouse gas emissions from agricultural fields</i>
15:05	Jesper Larsen , Statens Serum Insitut <i>Dermatophytes and the skin resistome</i>	Rikke Thoft , Statens Serum Insitut <i>How to count cases? Not all findings are clinically relevant. National and international case definitions</i>	Ella Tali Sieradzki , Department of Agroecology, Aarhus University <i>Microbial and viral succession after soil rewetting: links to carbon sequestration</i>
15:20 - 15:40	Oral abstract presentations	Oral abstract presentations	Oral abstract presentations
15:20	Nycoll Ong , Aarhus University <i>An alternating substrate access mechanism for the dual ABC-powered carbon-phosphorus lyase</i>	Lærke Valsted Bak Nielsen , Aalborg University <i>Opioid intervention causes immediate shift in microbiota composition and fermentation activity in healthy humans</i>	Paul Iturbe-Espinoza , Aarhus University <i>Eight-year effect of biochar amendment on soil properties, extracellular enzyme activity, microbiome structure and N-cycling genes in Danish fallow soils</i>
15:30	Aske Merrild , Aarhus University <i>Discovery and characterization of cross-phylogenetically distributed antimicrobial lasso peptides</i>	Mads Holm Christensen , University of Copenhagen <i>Shaken batch cultures of Pseudomonas aeruginosa contain biofilm-like heterogeneity</i>	Jakob Klinge Meier , University of Copenhagen <i>Does the P status of plants select for a beneficial root microbiome?</i>
15:40 - 16:30	Coffee & exhibition		
15:40 - 16:30	POSTER SESSION 2		
16:30 - 17:10	Plenary Keynote		
	Auditorium 1		
16:30 - 17:10	Keynote: Henriette Svarre Nielsen , Amager-Hvidovre Hospital & Department of Clinical Medicine, University of Copenhagen <i>Reproduction and Womens health – the role of vaginal dysbiosis and vaginal microbiome transplantation</i>		
17:10 - 17:15	Award ceremony and closing of DMS Congress by DMS Board		
17:15 - 18:15	Reception with fermented beverages		
18:30 - 21:00	Optional congress dinner at Madklubben/Food Club Nørrebro (tickets must be purchased)		