NFM / NORSK FORENING FOR MIKROBIOLOGI

# NFM ANNUAL CONFERENCE 2026

## SCIENTIFIC PROGRAMME



**TUESDAY 8 DECEMBER 2026** • 10:00–17:30 • OsloMet, Store Auditorium Pilestredet 32, Oslo

## THE DAY AT A GLANCE / Keynotes · Short talks · Posters · Networking

### MORNING + MIDDAY / 10:00–14:00

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|---|---|
| **10:00**<br>10:10 | Welcome to OsloMet and to the NFM Annual Conference<br>Elin Holther Anthonisen and Ole Herman Ambur |
| **10:10**<br>10:45 | KEYNOTE **Microbes Where We Live – What Really Works in Infection Prevention Outside the Laboratory?**<br>**Prof. Jörn Klein · USN** |
| **10:45**<br>11:00 | How reliable are clustering and denoising methods for high-diversity 16S rRNA data?<br>Cassandra Stamsaas · NMBU |
| **11:00**<br>11:15 | Natural transformation in chromobacteriaceae.<br>Oliwia Waz · OsloMet |
| **11:15**<br>11:30 | The Natural Competence Pathway in *Streptococcus constellatus*.<br>Andreas Solberg Sagen. UiO |
| **11:30**<br>12:00 | KEYNOTE **Harnessing Microbial Toolkits: Discovering, Decoding, and Engineering Microbes and Enzymes for Polyester Deconstruction**<br>**Prof. Colin Charnock · OsloMet** |
| **12:00**<br>12:45 | BREAK **Packed lunch by the exhibitor space and poster viewing** |
| **12:45**<br>13:15 | KEYNOTE **The microbiota associated with colorectal cancer.**<br>**Prof. Hege Tunsjø · OsloMet** |
| **13:15**<br>14:00 | Recognizing the Unrecognizable: The Role of Microbial Dark Matter in Taxonomic Classification..<br>Adrian Thorsplass · NMBU |

### AFTERNOON / 14:00–17:30

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|---|---|
| **14:00**<br>14:15 | Phosphorus removal and microbial community composition in biofilm EBPR reactors exposed to different nitrate concentrations.<br>Ghazal Ahmadi · INN |
| **14:15**<br>14:30 | The OPTIMIST Study: Optimizing Mastitis Identification and Treatment.<br>Fahmida Jahan Fahim · UiT |
| **14:30**<br>15:00 | BREAK **Coffee break by the exhibitor space and poster viewing** |
| **15:00**<br>15:30 | KEYNOTE **Packing Under Pressure: From DinQ to a Genome-Wide Hunt for Compaction Genes**<br>**Researcher James A. Booth · OUH/NTNU** |
| **15:30**<br>15:45 | Characterization of a novel antibiotic compound isolated from *Enterobacter asburiae*.<br>Simen Hermansen · NMBU |
| **15:45**<br>16:00 | D-Bacsense: Microchamber Quasi-Growth Enhanced Rapid Antibiotic Susceptibility Testing From Blood and a Digital Decision Tool for Differentiating Resistant and Susceptible Bacteria.<br>Jonathan Hira · INN |
| **16:15**<br>16:30 | Evaluating DNA extraction methods for rapid detection of Campylobacter spp. in Norwegian broiler flocks<br>K Fatemeh Asadikhoeini · INN |
| **16:30**<br>16:35 | Voting for early career presentations (Poster and short talk) |
| **16:35**<br>16:45 | NFM announcements, young investigator awards and conference end. |
| **16:45**<br>17:30 | NFM member's annual general assembly. |

# POSTERS

## w/Presenting author

Research from across the Norwegian microbiology community



**POSTER VIEWING** Lunch 12:00–12:45 / Coffee break 14:30–15:00

**01** **Heteroresistance in Gram-negative Pathogens**
**Karen Erstad** · NMBU

**02** **From cell factory to cell physiology: low-pH assembly of $N_2O$ reductase and density-dependent inhibition of $N_2O$ reduction in a methylotrophic denitrifier.**
**Linda Bergaust** · NMBU

**03** **Drone-assisted targeted sampling of Arctic snow-algae communities using remote sensing and robotic retrieval.**
**Antonio Garcia-Moyano** · NORCE

**04** **Microbial Community Structure of Mining-Influenced Surface Drainages in the Longyearbyen Region, Svalbard.**
**Antonio García-Moyano** · NORCE

**05** **Microbial community profiles from long- and short-read amplicons.**
**Tonje Marita Bjerkan Heggeset** · SINTEF

**06** **Characterizing Determinants of Resistance to Romsacin, a Novel Antimicrobial Compound with Therapeutic Potential.**
**Ariel Heinrich** · UiT

**07** **Towards Flow Cytometry of DNA Uptake in *Neisseria*: Bacterial Identification and Rare Event Detection.**
**Oleksandr Khyzhniak** · OsloMet

**08** **Adaptive Laboratory Evolution of *Bacillus cereus* Under Vancomycin Selection.**
**Anna Lislerud** · UiO

**09** **The role of autotransporter adhesins in *Enterobacter spp.* infections.**
**Lukas Michael Meyer** · UiO

**10** **Cold and Salty Extremes: Microbial life in a Svalbard Cryopeg.**
**Verena Nikeleit** · NORCE

**11** **The non-essential transglycosylase SgtB modulates cell wall stress response in *Staphylococcus aureus*.**
**Eivind Frøyland Skjennum** · NMBU

**12** **Bacteria as a platform for precious metal recovery and controlled nanoparticle synthesis.**
**Ana Lucia Campaña** · UiO

**13** **Characterization of penicillin resistance in *Neisseria animaloris* from bite wound samples.**
**Marthe Glesaaen Ødegård** · FÜRST/OsloMet

**14** **Presenting Q-FIELD™, a photocatalytic antimicrobial pigment for paints**
**Elisa Mascherin** UiO

**15** **Re-sensitizing antibiotic resistant pneumococci to first-line antibiotics.**
**Silje Henriette Aadne** · NMBU

**16** **Penicillin-binding protein diversity and recombination patterns across streptococcal species.**
**Roger Junges** · UiO

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NFM Annual Conference 2026

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