



NENUN PROGRAMME
November 14th – November 16th 2017
 at COBIS, Ole Maaløvs Vej 3, 2200 Copenhagen N.

Tuesday November 14

12.30-13.45	Registration and lunch	
13.45-14.00	Welcome	Carsten Suhr Jacobsen Aarhus University
14.00-16.00	Session 1 pH Turbated terrestrial environment <i>Chair: Carsten Suhr Jacobsen, University of Copenhagen</i>	
14.00-14.25	Wood ash influence community composition of bacteria, fungus and their predators - total RNA approach	Toke Bang Andersen Aarhus University
14.25-14.50	Analyzing Functional Dynamics in Environmental Total RNA - no PCR Bias ☒	Muhammad Zohaib Anwar Aarhus University
14.50-15.15	Wood ash decreases enchytraeid abundance but not richness, a case study of biodiversity assessment by metabarcoding ☒	Jiayi Qin Aarhus University
15.15-15.40	Resiliency in a pH turbated forest soil ecosystem - does early colonisers represent a higher level of coverage in genebank then the soil microbiome before pH turbation	Carsten Suhr Jacobsen Aarhus University
15.40-16.00	Grazing alters the microbiota and its activity in high-arctic peatlands	Kathrin M. Bender The Arctic University of Norway
16.00-16.15	Coffee break	
16.00-18.00	Session 2: Microbial life in cryoenvironment <i>Chair: Peter Stougaard, University of Copenhagen</i>	
16.00-16.25	Metabolic and trophic interactions modulate methane production by Arctic peat microbiota in response to warming	Mette Marianne Svenning Arctic University of Norway
16.25-16.50	Multimomics and Single-Cell genomics Along a Thaw Gradient of Alaskan Permafrost Reveal Microbial Survival Strategies	Jenni Hultman University of Helsinki
16.50-17.00	Short Coffee break	
17.00-17.25	Arctic Biotechnology – Sustainable Products and Processes from Arctic Biological Resources	Mikkel Schultz-Johansen, Mariane Schmidt Thøgersen, Peter Stougaard, Line Christiansen
17.25-17.50	Protozoan grazing has pronounced effect on the bacterial response to thawing and freezing of active layer permafrost soil from Svalbard	Morten Schostag Geological Survey of Denmark and Greenland
17.50-18.00	Discussion	
18.00-19.00	Beer, networking and commercial exhibition	
19.00-21.00	Dinner at COBIS	



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Wednesday 15 November

09.00-11.50	Session 3 Aquatic environment Chair: Stefan Bertilsson, Uppsala University	
09.00-09.25	<i>Microbial mercury methylation in the boreal landscape</i>	Stefan Bertilsson Uppsala University
09.25-09.50	<i>High throughput sequencing of microbial gene pairs - first experiences of epicPCR</i>	Marja Tirola University of Jyväskylä
09.50-10.15	<i>Discovery and description of complete ammonia oxidizers in rapid sand filters</i>	Alejandro Palomo-Gonzalez Technical University of Denmark
10.15-10.40	<i>Comparing biodiversity determined by eDNA and traditional methods in 35 Danish gravel pit lakes</i>	Anne Winding Aarhus University
10.40-11.05	<i>DNA and RNA SIP reveal ammonium and nitrite oxidizers in a groundwater fed biofilter</i>	Arda Gulay Denmark Technical University
11.05-11.30	<i>A metagenomics approach for the discovery of novel fucanases that degrade brown algal polysaccharides</i>	Mikkel Schultz-Johansen University of Copenhagen
11.30-11.55	<i>Novel approach for sustaining degrader-bacteria in bioaugmented waterworks sand filters</i>	Lea Ellegaard-Jensen Aarhus University

11.55-12.10 Coffee break

12.10-13.10	Industry talks+B40	
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12.10-12.20	Gatc Bitoech	
12.20-12.30	Ampliqon	
12.30-12.40	Holm&Halby	
12.40-12.50	Eppendorf	
12.50-13.00	COBIO	
13.00-13.10	Nordic Biosite	
13.10-14.00	Lunch at COBIS	

14.00-16.15	Session 4 Terrestrial environments – soil microbiomes and microbial ecophysiology Chair: Åsa Helena Frostegård, Norwegian University of Life Sciences	
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14.00-14.25	<i>A step forward in understanding why acidic soils are significant sources of the greenhouse gas N₂O</i>	Åsa Helena Frostegård Norwegian University of Life Sciences
14.25-14.50	<i>Phenotypic heterogeneity in Paracoccus denitrificans switching between aerobic and anaerobic respiration</i>	Daniel Milligan Norwegian University of Life Sciences
14.50-15.15	<i>Next generation bio-fertilizer: mitigating N₂O emissions from soil by microbial enrichment of anaerobic digested wastewater sludge.</i>	Kjell Rune Jonasson Norwegian University
15.15-15.40	<i>Soil conditions and Penicillium species influence hyphosphere microbiome assemblage in soil</i>	Xiuli Hao University of Copenhagen
15.40-16.05	<i>The wine microbiome</i>	Alex Gobi Aarhus University

16.05-16.15 Coffee break

16.15-17.30	Research/ poster presentation	
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16.15-16.40	<i>Molecular and genomic analysis of thermoacidophilic methanotrophic verrucomicrobia</i>	Thomas Kruse University Bergen
16.40-17.05	<i>Strong regionality and dominance of anaerobic bacterial taxa characterize diazotrophic bacterial communities of arcto-alpine pioneer plants</i>	Riitta Nissinen University of Jyväskylä
17.05-17.30	Searching for peanut rhizobia that are both efficient nitrogen fixers and strong N ₂ O reducers	Yuan Gao Norwegian University of Life Sciences

17.30-19.30	Guided tour at Assistens Kirkegård Address: Kapelvej 2-4, 2200 Copenhagen N	
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19.30-22.00	Dinner at Bodega Address: Kapelvej 1, 2200 Copenhagen N	
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Thursday 16 November

09.30-11.45	PhD students breakout Bioinformatics roundtable	Zohaib Anwar Aarhus University
09.30-11.45	Next year NENUN planning	Carsten Suhr Jacobsen Aarhus University
11.45-12.00	Closing/Farewell	Carsten Suhr Jacobsen, Aarhus University



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12.00-13.00

Lunch at COBIS