

DANEMO Symposium

MOLECULAR ECOSYSTEMS

3-4 NOVEMBER 2022

AARHUS UNIVERSITY, DENMARK

Programme DAY 1 - Thursday 3 November 2022

11:00 - 12:00 Registration with Coffee, Lunch, and Poster hang up

12:00 - 13:00 Session 1 – Welcome & introducing EMBL, EMBO and DANEMO

Chair: Poul Nissen, Aarhus University

12:00

Welcome

Rector Brian Bech Nielsen, Aarhus University
Head of Dept. Molecular Biology and Genetics Erik Ø. Jensen
Professor Poul Nissen

12:15

EMBL and the new strategic programme "Molecules to Ecosystems"

EMBL Director General Edith Heard

12:45

EMBO and Denmark: connecting and supporting life scientists

Maria Polychronidou, Training Coordinator and Senior Editor at EMBO

13:05 - 13:20

Coffee, Posters, and Networking

13:20 - 14:30 Session 2 – Presentation of EMBL Scientific Facilities on Imaging

Chair: Poul Nissen, Aarhus University

13:20

The EMBL Imaging Centre

Timo Zimmermann, Team Leader, EMBL Heidelberg

13:45

Xray Imaging at EMBL Hamburg

Elizabeth Duke, Team Leader, EMBL Hamburg

14:10

Q&A to Scientific Facilities

14:30 - 15:00

Coffee, Brain Food, Posters, and Networking

15:00 - 16:25 Session 3 – Planetary Ecosystems

Chair: Kaare Teilum, University of Copenhagen

15:00

Paola Bertucci, Scientific Expedition Manager of TREC, EMBL Heidelberg

Introduction to EMBL research theme "Planetary Biology"

Lecture title: **"Traversing European Coastlines (TREC):**

Exploring ecosystems and their interactions across environmental gradients"

15:35

Antton Alberdi Estibaritz, Associate Prof., Globe Institute, Section for Hologenomics, University of Copenhagen

Lecture title: **"A multi-layered approach to interactions between life forms across the globe"**

16:00

Jens-Christian Svenning, Professor, Dept. Biology, Section for Ecoinformatics & Biodiversity, Aarhus University

Lecture title: **"Ecological Dynamics in a Novel Biosphere"**

16:25 - 17:00

Coffee, Soft Drinks, Posters, and Networking

17:00 - 18:15 Session 4 – Microbial Ecosystems

Chair: Ole Nørregaard, University of Southern Denmark

17:00

Nassos Typas, EMBL Group Leader, Systems Biology, Genome Biology Unit, EMBL Heidelberg

Introduction to EMBL research theme "Microbial Ecosystems"

Lecture title: **"Probing the interface of drugs and the human gut microbiome"**

17:25

Mathias Middelboe, Professor, Dept. of Biology, Marine Biological Section, University of Copenhagen

Lecture title: **"Deep sea microbial ecosystems"**

17:50

Simona Radutoiu, Assoc. Prof., Dept. Molecular Biology and Genetics, Section for Plant Molecular Biology, Aarhus University

Lecture title: **"Microbial associations at the plant root-soil interface"**

18:15

Concluding remarks

Poul Nissen

18:45

Bus transport to restaurant

19:00

Dinner for participants, speakers, and organizers at Restaurant Smedien



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Programme DAY 2 - Friday 4 November 2022

8:15 - 9:00

Coffee and Networking

9:00 - 10:25

Session 4 (continued) – Microbial Ecosystems

Chair: Mads Albertsen, Aalborg University

9:00

Opening remarks

Professor Poul Nissen, Aarhus University

9:10

Søren Johannes Sørensen, Professor, Dept. Biology, Section of Microbiology, University of Copenhagen

Lecture title: *"The mobilome - the flexible gene pool in complex microbial ecosystems"*

9:35

Lone Gram, Professor, Dept. Biotechnology & Biomedicine, Section for Microbial & Chemical Ecology, Technical University of DK

Lecture title: *"Role of microbial antibiotic molecules in microbial ecosystems"*

10:00

Lars Peter Nielsen, Professor, Dept. Biology, Section for Microbiology, Center for Electromicrobiology, Aarhus University

Lecture title: *"Cable bacteria - living electrical cables in the mud"*

10:25 - 11:00

Coffee, Snacks, Posters, and Networking

11:00 - 12:15

Session 5 – Human Ecosystems

Chair: Poul Nissen, Aarhus University

11:00

Talya Dayton, Group Leader at EMBL Barcelona

Introduction to EMBL research theme "Human Ecosystems"

Lecture title: *"Organoid models of plasticity and differentiation in pulmonary neuroendocrine cells and cancers"*

11:25

Kjetil Taskén, Director, Institute for Cancer Research, Oslo University Hospital

Group Leader, Dept. of Cancer Immunology, Professor Inst. Clin. Medicine, University of Oslo

Lecture title: *"The Norwegian Cancer Precision Medicine Implementation Initiative - a prototype learning ecosystem for precision oncology"*

11:50

Trine Tramm, Clinical Associate Professor, Dept. Clinical Medicine, Section for Pathology, Aarhus University Hospital

Lecture title: *"Identifying biomarkers for benefit of radiotherapy in breast cancer patients: combining tissue biobanks and national registries"*

12:15 - 13:15

Lunch, Posters, and Networking (vote for best poster by 13:15)

13:15 - 14:15

Session 6 – Short talks by young researchers

Chair: Håvard Jenssen, Roskilde University

13:15

Jasmina Al Mousawi, Current PhD student, EMBL Rome, Italy (previously student at University of Copenhagen)

Lecture title: *"Epigenetic mechanisms shaping embryonic gene expression"*

13:35

Kenji Maeda, Senior Scientist, Danish Cancer Society Research Center, Copenhagen (previously postdoc, EMBL Heidelberg)

Lecture title: *"Lipid landscapes of human cells"*

13:55

Rasmus Kjeldsen Jensen, Postdoctoral fellow at Structural and Computational Biology Unit, EMBL Heidelberg, Germany (previously PhD student at Aarhus University)

Lecture title: *"Visualizing the membrane proteome of Mycoplasma pneumoniae in situ"*

14:15

Poster prize announcement

Sponsored by the Danish Biochemical Society

14:20

Closing remarks

14:30 - 15:30

Drinks reception



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