

WUR Laboratory of Microbiology PhD Trip 2017

Germany – Sweden - Denmark



Aims

- **Broaden Knowledge** and Scope through Excursion abroad
- **Present and discuss** research with peers from other institutions
- **Promote interactions** between groups and within participants
- Find common ground for establishing **future collaborations**
- Expand **scientific network**
- Get **research inspiration** by experiencing how other groups function

WUR Microbiology research

- **Molecular Ecology**
- Prof. Hauke Smidt
 - Human gut microbiome
 - Animal gut microbiome and health
 - Infant gut development
 - Marine Microbiology (Sponges, Algae)
 - Xenobiotic substance degradation in the environment

- **Bacterial Genetics**
- Prof. John v.d. Oost
 - CRISPR/Cas
 - Metabolic engineering
 - Microbial Cell Factories
 - Thermophiles Metabolism

- **Microbial Physiology**
- Prof. Fons Stams
 - Sulfur metabolism
 - C1 metabolism
 - Novel Anaerobes
 - Wastewater Treatment
 - Bioelectricity

- **Systems and Synthetic Biology**
- Prof. Vitor Martins dos Santos
 - Genome to functions
 - Metabolic regulations in microorganisms
 - Pipeline Development for 16S analysis and protein annotations

Route PhD Trip 2017



Scheduled Visits

Week1	Monday 8/5	Tuesday 9/5	Wednesday 10/5	Thursday 11/5	Friday 12/5	Saturday	Sunday
Morning	Drive to Bremen	ICBM (Oldenburg)	altona Diagnostics GmbH	Institute of Bioprocess and Biosystems Engineering & Institute of Technical Microbiology	Kiel University (Schmitz-Streit lab)	Free morning	Drive to Lund
Afternoon	Jacobs University Bremen	Bremen Universum	Biozentrum Klein Flottbek Mikrobiologie & Biotechnologie	Ohly GmbH	GEOMAR	Free afternoon	Drive to Lund
Night	Bremen	Hamburg	Hamburg	Hamburg	Hamburg	Hamburg	Lund
Week 2	Monday 15/5	Tuesday 16/5	Wednesday 17/5	Thursday 18/5	Friday 19/5	Saturday	Sunday
Morning	MAX IV	Novozymes	DTU Biosustain	Chr. Hansen	DTU VET and DTU Microbio	Drive to Wageningen	
Afternoon	LTH "CALs"	Evolva	DTU Biosustain	Carlsberg	DTU Bioinformatics and DTU Bioengineering	Drive to Wageningen	
Night	Kopenhagen	Kopenhagen	Kopenhagen	Kopenhagen	Kopenhagen	Wageningen	

What we would like to do at ICBM

- Listen to 2-3 presentations from ICBM on microbiology-related topics
- Give 2-3 talks on our own research (20min each incl. questions)
(we will send you some abstracts of our participants to choose from)
- Discuss with PhD students and staff from ICBM about the presented/general work
- If possible receive a small tour through the facilities

Preliminary Programme at ICBM

9.05.2017

- 13:00 Arrival and Lunch with ICBM Students at Mensa
- 14:00 Welcome and Introduction ICBM **(W15-1-146)**
- 14:15 Introduction WUR MIB (Dr. Irene Sanchez-Andrea)
- 14:30 Presentation 1 ICBM
- 14:50 Presentation 1 WUR
- 15:10 Presentation 2 ICBM
- 15:30 Coffee break
- 15:45 Presentation 2 WUR
- 16:05 Presentation 3 ICBM
- 16:30 Networking with ICBM Students
- 17:00 Tour through Facilities
- 17:30-17-45 Farewell

Research of special interest to us:

- Prof. Peter Schupp: environmental Biochemistry
- Prof. Ralf Rabus: General and molecular microbiology
- Roseobacter: novel insights and geochemical relevance of this microorganism
- (...)
- WE'RE OPEN TO FURTHER SUGGESTIONS!