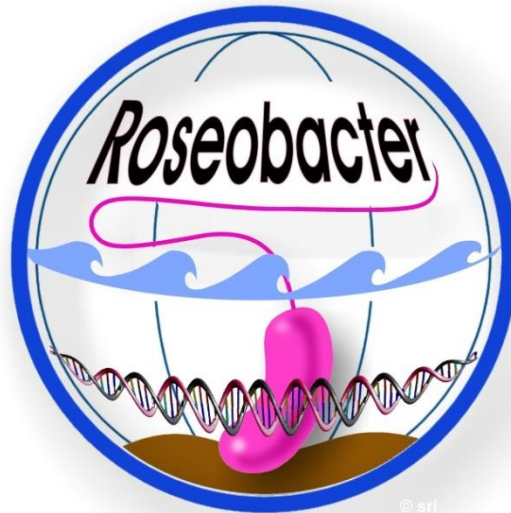


Transregional Collaborative Research Centre (TRR 51)

**Ecology, Physiology and Molecular Biology of the *Roseobacter* clade:  
Towards a Systems Biology Understanding of a  
Globally Important Clade of Marine Bacteria**



## 12<sup>th</sup> Status Seminar

### *Final Agenda*

**Date:** 23.-24. June 2016

**Time:** Start 11:00

**Venue:** Alter Landtag zu Oldenburg,  
Theodor-Tantzen-Platz 8,  
26122 Oldenburg

**Organisers:** Ferdinand Esser, Meinhard Simon (ICBM, Oldenburg)

**Purpose:** Progress report and perspectives for the next application period

**Contact:** M. Simon ([m.simon@icbm.de](mailto:m.simon@icbm.de)),  
F. Esser ([ferdinand.esser@uni-oldenburg.de](mailto:ferdinand.esser@uni-oldenburg.de))

## Programme:

### Progress report and perspectives for the next application period

23 June 2016 - Thursday

<i>Time</i>	<i>Subject</i>	<i>Speaker</i>
11:00-11:10	Welcome and Introduction	Meinhard Simon
11:10-11:30	Ecological significance, biogeography and physiology of the <i>Roseobacter</i> clade in pelagic systems (A1)	Meinhard Simon
11:30-11:50	The metabolic potential and the distribution of the <i>Roseobacter</i> clade in marine sediments (A2)	Bert Engelen
11:50-12:10	Assessment and exploitation of the metabolic potential and molecular characterization of uncultivated members of the <i>Roseobacter</i> clade (Z02/A3)	Rolf Daniel
12:10-12:30	Extrachromosomal, extraordinary and essential – the mobilome of the <i>Roseobacter</i> clade (A5)	Jörn Petersen
12:30-13:30	<b>Lunch</b>	
13:30-13:50	Roseophages - first results and research outlook	Cristina Moraru
13:50-14:10	Highlights beyond plasmids (A5)	Pascal Bartling, Jörn Petersen
14:10-14:30	Phylogenomics and functional genomics of the <i>Roseobacter</i> clade (A6)	Markus Göker
14:30-14:50	Population structure and divergence in the <i>Roseobacter</i> clade - implications for the ecology and evolution (A7)	Jörg Overmann
14:50-15:10	Linking the exometabolome of selected pelagic organisms of the <i>Roseobacter</i> clade to marine dissolved organic matter (A8)	Jutta Niggemann Meinhard Simon
15:10-15:30	Genetics, regulation and ecological significance of secondary metabolite production of <i>Roseobacter</i> clade bacteria (B2)	Thorsten Brinkhoff
15:30-16:00	Coffee Break	
16:00-16:20	Synthetic and biosynthetic studies towards bioactive secondary metabolites of the <i>Roseobacter</i> clade (B3)	Jeroen Dickschat, Stefan Schulz
16:20-16:40	Common regulatory networks for the adaptation to low iron and oxygen tension (B5)	Elisabeth Härtig, Dieter Jahn
16:40-17:00	Growth control by nutrient limitation and plasmid-determinants in <i>Phaeobacter inhibens</i> DSM 17395 and metaproteomics (C1)	Ralf Rabus
17:00-17:20	Chemistry of secondary metabolite mediated interactions between bacteria of the <i>Roseobacter</i> clade and other organisms (C2)	Stefan Schulz
17:20-17:40	Metabolome analysis and modelling of the metabolism of <i>Dinoroseobacter shibae</i> and <i>Phaeobacter inhibens</i> DSM 17395 (C3)	Dietmar Schomburg
17:40-18:00	Systems biology of <i>Dinoroseobacter shibae</i> 's environmental adaptation (C5)	Steffi Heyber
18:00-18:10	Report of the home page of TRR 51	Simone Karrie
18:10-18:20	Report of the Integrated Research Training Group	Ferdinand Esser

18:45-20:00	<b>Dinner (Cafeteria Alter Landtag)</b>
20:00-22:00	Small discussion groups and informal get together Poster Session

## 24 June 2016- Friday

<b>Time</b>	<b>Subject</b>	<b>Speaker</b>
08:45-09:00	<b>arriving</b>	
09:00-09:50	The ubiquitous stress protectants ectoine and hydroxyectoine: how to make them – how to break them	Erhard Bremer
09:50-10:10	Physiological response to energy limitation in the <i>Roseobacter</i> clade (B1)	Heribert Cypionka
10:10-10:30	Cell-cell communication of bacteria of the <i>Roseobacter</i> clade with other bacteria and algae (B4)	Jürgen Tomasch Irene Wagner-Döbler,
10:30-10:50	Adaptation of <i>Dinoroseobacter shibae</i> to different kinds of oxidative stress (C6)	Susanne Engelmann
10:50-11:15	<b>Coffee Break</b>	
11:15-12:00	Discussion groups 1. Future Plans of project area A+B 2. Future Plans of project area C	Moderated by: M. Simon / J. Overmann D. Jahn / R. Rabus
12:00-12:45	Plenary Discussion Future Plans	Moderated by: M. Simon / D. Jahn
12:45-13:45	<b>Lunch</b>	
13:45-14:25	Report on the Sonne cruise across the Pacific	Meinhard Simon
14:00-14:45	Discussion on status quo, future plans	moderated by Meinhard Simon
14:45-15:00	General assembly	Meinhard Simon
15:00	End	

## Poster presentations

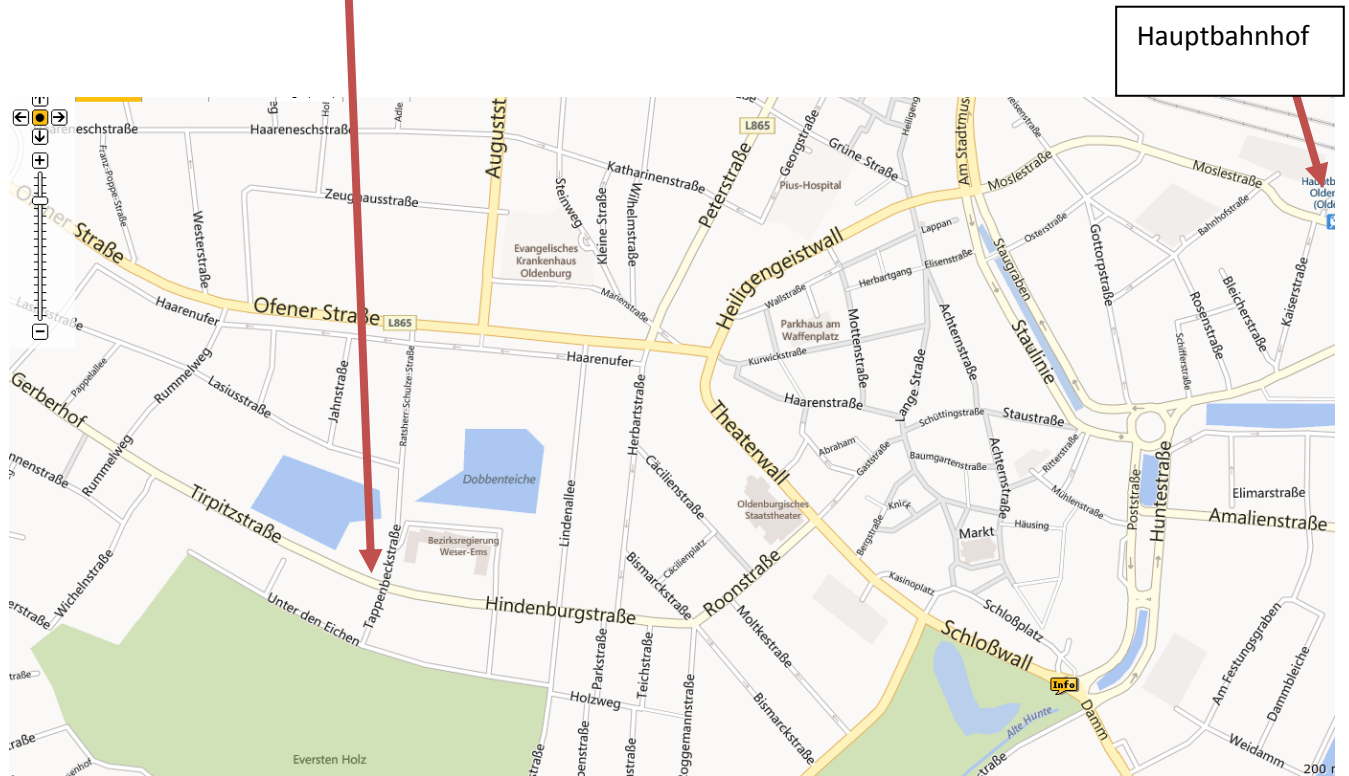
TP	Autor	Poster
A5	Jörn Petersen et al.	Phylogenetic analysis of RpoB of 308 genome sequenced Rhodobacteraceae
A5	Pascal Bartling et al.	Establishing the flagella mutants and the flagella gene clusters of <i>P. inhibens</i> DSM17395.
A5	Silke Pradella et al.	Bacterial community analysis of non-axenic marine dinoflagellates, haptophytes, cryptomonades, diatoms and apicomplex algae
	Hanna Ruppertsberg	Influence of N:P- ratio on the growth of <i>P. inhibens</i> DSM17395

**Location:**

**Alter Landtag,**

Theodor-Tantzen-Platz 8 (Tirpitzstraße Ecke Tappenbeckstraße)

26122 Oldenburg



Anreise: Bus: <https://www.vwg.de/>