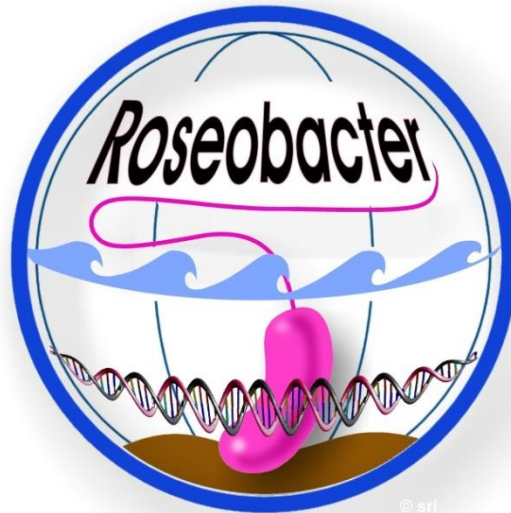


Transregional Collaborative Research Centre (TRR 51)

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



8th Status Seminar

Agenda

Date: 8.-9. May 2014

Time: Start 11:00

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

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

Purpose: Kick off meeting for the second funding period
Progress report of the last year
Presentation of projects of the second funding period
Meeting of new PhD students and other coworkers

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

Programme

8 May 2014 Thursday

Time	Subject	Speaker
11:00-11:15	Welcome and Introduction	M. Simon
11:15-12:15	Cryptic Elemental Cycling Between Ocean Microbes	M. A. Moran
12:15-12:45	Adaptation of <i>Roseobacter</i> clade <i>Planktomarina temperata</i> RCA23 to marine pelagic environments revealed by genomic and metatranscriptomic analyses (A3, A1)	S. Voget
12:45-14:15	Lunch	
14:15-14:45	Highly productive and active bacterioplankton communities in the South Shetland Islands region of the Southern Ocean in austral fall (A1, A3)	M. Simon
14:45-15:15	Growth response of bacterioplankton communities from the Southern and Atlantic Oceans to polymeric carbohydrates	M. Wietz
15:15-15:45	Regulation of genome evolution in the ocean: quorum sensing molecules induce type IV secretion system-dependent interspecies conjugation in <i>Roseobacters</i> (C5)	D. Patzel
15:45-16:30	Coffee Break	
16:30-17:00	Co-cultivation suggests that pathogenicity of <i>Dinoroseobacter shibae</i> towards <i>Prorocentrum minimum</i> is controlled by quorum sensing and CtrA-phosphorelay? (B4)	H. Wang
17:00-17:30	Regulatory networks of <i>Dinoroseobacter shibae</i> for the adaptation to low iron and oxygen tension (B5)	E. Härtig
17:30-18:00	Carbohydrate catabolism in <i>Phaeobacter inhibens</i> (C1, C3)	K. Wiegmann, M. Hensler.
18:00-18:30	Open discussion	
18:45-20:00	Dinner (Cafeteria Alter Landtag)	
20:15-22:00	Small discussion groups and informal get together	

9 May 2014 Friday

Time	Subject	Speaker
08:30-08:45	arriving	
08:45-09:00	A1 Ecological significance, biogeography and physiology of the <i>Roseobacter</i> clade in pelagic systems	H.A. Giebel, I. Bakenhus
09:00-09:15	A2 The metabolic potential and the distribution of the <i>Roseobacter</i> clade in marine sediments	B. Engelen
09:15-09:30	Z02/A3 Assessment and exploitation of the metabolic potential and molecular characterization of uncultivated members of the <i>Roseobacter</i> clade	R. Daniel et. al.
09:30-09:45	A5 Extrachromosomal, extraordinary and essential: The mobilome of the <i>Roseobacter</i> clade	O. Frank
09:45-10:00	A6 Phylogenomics and functional genomics of the <i>Roseobacter</i> clade	H.P. Klenk et al.
10:00-10:15	A7 Population structure and divergence in the <i>Roseobacter</i> clade - implications for the ecology and evolution	J. Overmann
10:15-10:45	Coffee Break	
10:45-11:00	A8 Linking the exometabolome of selected pelagic organisms of the <i>Roseobacter</i> clade to marine dissolved organic matter	B. E. Noriega Ortega, G. Wienhausen
11:00-11:15	B1 Physiological response to energy limitation in the <i>Roseobacter</i> clade	Ch. Kirchhoff
11:15-11:30	B2 Genetics, regulation and ecological significance of secondary metabolite production of <i>Roseobacter</i> clade bacteria	M. Berger, L. Wolter
11:30-11:45	B3 Synthetic and biosynthetic studies towards bioactive secondary metabolites of the <i>Roseobacter</i> clade	P. Rabe, I. Burkhardt
11:45-12:00	B4 Beyond the photosynthesis gene cluster – The complex transcriptome of <i>D. shibae</i> revealed by strand specific RNA sequencing	J. Tomasch
12:00-12:15	B5 Common regulatory networks for the adaptation of <i>Dinoroseobacter shibae</i> to low iron and oxygen tension	E. Härtig, et. al.
12:15-13:45	Lunch	

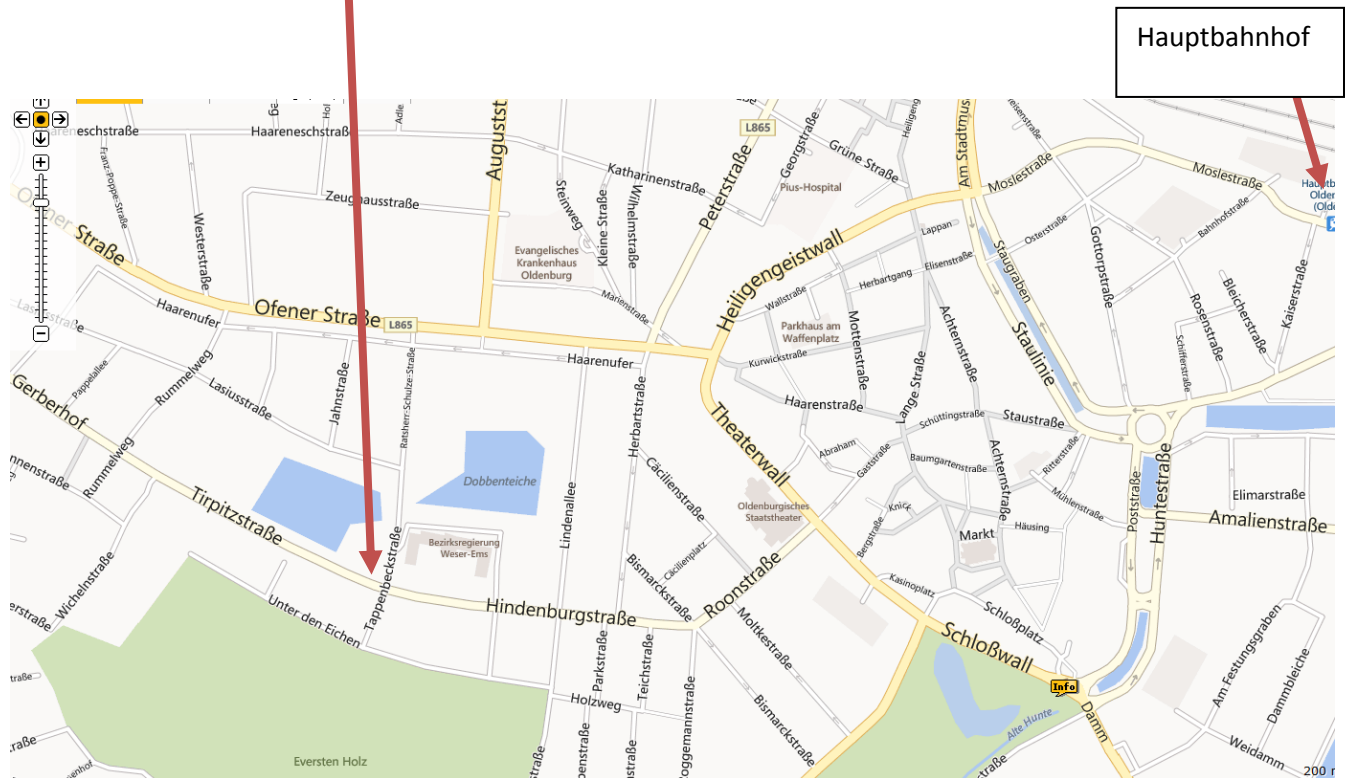
13:45-14:00	C1 Growth control by nutrient limitation and plasmid-determinants in <i>Phaeobacter inhibens</i> DSM 17395 and metaproteomics	R. Rabus et. al.
14:00-14:15	C2 Chemistry of secondary metabolite mediated interactions between bacteria of the <i>Roseobacter</i> clade and other organisms	S. Schulz, H. Bruns, L. Ziesche, M. Maczka
14:15-14:30	C3 Metabolome analysis and modelling of the metabolism of <i>Dinoroseobacter shibae</i> and <i>Phaeobacter inhibens</i> DSM 17395	M. Hensler, S. Kleist
14:30-14:45	C5 Single cell analysis of population heterogeneity in <i>Dinoroseobacter shibae</i>	D. Patzelt, I. Wagner-Döbler
14:45-15:15	Coffee Break	
15:15-15:30	C5 / INF Information infrastructure, database & bioinformatics tool development	S. Heyber
15:30-15:45	C6 Adaption of <i>Dinoroseobacter shibae</i> to different kinds of oxidative stress	S. Engelmann
15:30-15:45	Report of the Integrated Research Training Group	F. Esser, Ch. Lange
15:45-16:00	General assembly and discussion on status quo, future plans	M. Simon
16:00	Concluding remarks	M. Simon

Location:

Alter Landtag,

Theodor-Tantzen-Platz 8 (Tirpitzstraße Ecke Tappenbeckstraße)

26122 Oldenburg



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