
Bremen PhD Days 2019

17th - 18th April at Schloss Etelsen, Langwedel



Programme & Abstracts

edited by

MARUM/GLOMAR PhD representatives

Welcome to the 12th Bremen PhD Days in Marine Sciences!

A warm welcome to all participants to the 2019 Bremen PhD Days in Marine Sciences held in Schloss Etelsen, Langwedel. This meeting is jointly organized by the GLOMAR office and the MARUM/GLOMAR PhD representatives.

It is the purpose of the PhD Days to provide an excellent platform for:

- Presenting your own research in a casual and relaxed environment from which you can give and receive feedback
- Learning about the large variety of cutting-edge marine realm science being conducted by PhD students in and around Bremen
- Developing a network between institutes and finding contact persons/institutes for interdisciplinary questions around your own project interests
- Having a good time in a friendly atmosphere to develop an enjoyable working community

If you would like to receive more information please visit:

www.marum.de/en/education-career/GLOMAR

If you have specific questions please contact:

phdrepresentatives@lists.marum.de

We want to thank all the participants for their contributions and thank GLOMAR for sponsoring this event.

We hope you all will enjoy your stay!

Organization team:

- Tina Klose
- Sinah Teumer
- MARUM/GLOMAR PhD representatives:
Eva Bischof, Rebecca Borges, Aagje Eijnsink, Nadine Gerlach, Neele Meyer,
Mareike Neumann, and Leonardo Tamborrino

Schloss Etelsen – How to get there?

Transportation to Schloss Etelsen by train from Bremen main station:

1. We meet at Bremen central station at the bottom of the stairs at platform 5 at **8:40 am** on Wednesday, 17th
2. **Be punctual as we will not wait for you**
3. All of us take the NWB RS1 train departing at **08:57 am**
4. Arrival in Etelsen at **09:15 am**
5. Walk for 10-15 minutes until we will reach Schloss Etelsen (see map below)

Do not forget to bring your Semesterticket.

For those who do not have a Semesterticket, we will buy a ticket.



Schloss Etelsen
Bremer Str. 2
27299 Langwedel

On Thursday, 18th of April, all of us take the train back to Bremen central station.
The train runs every 30 min.

Program

Wednesday, 17th April 2019

09:30–10:00	Arrival (see also “How to get there?”)
10:00–10:30	Opening talk by MARUM/GLOMAR PhD Representatives
10:30–11:15	Group Photo & Icebreaker
11:15–11:45	Coffee break
11:45–12:30	Session I
12:30–14:00	Lunch
14:00–14:55	Session II
14:55–16:00	Coffee break & poster session
16:00–16:55	Session III
16:55–18:00	Break & Social time
18:00–19:30	Dinner
19:30–	Evening activities with open end

Thursday, 18th April 2019

09:00–09:05	Short opening talk by MARUM/GLOMAR PhD Representatives
09:05–10:00	Session IV
10:00–11:00	Coffee break & poster session
11:00–11:45	Session V
11:45–13:15	Lunch
13:15–13:55	Session VI
13:55–14:10	Short break
14:10–15:00	Post-academic career options - more than just a ‘plan b’
15:00–15:30	Awards & Goodbye
15:30–	Joint trip to Bremen (train leaves every 30 minutes)

List of participants

Participant	E-Mail	Presentation	Main affiliation
Abobi, Seth Mensah	seth.abobi@leibniz-zmt.de	Talk 1	ZMT
Bischof, Eva Alexandra	bischof@uni-bremen.de	Talk 8	FB 5
Borges, Rebecca	rebecca.borges@zmt-bremen.de	Talk 6	ZMT
Boyden, Patrick	pboyden@marum.de	Speed talk	MARUM
Brünjes, Jonas	jonas.bruenjes@uni-bremen.de	Talk 13	MARUM
Contreras, Ameris	aics@uni-bremen.de	Talk 15	FB2
Eijsink, Aagje	aeijsink@marum.de	Talk 11	MARUM
Gensel, Julia	kgensel@marum.de	Poster	MARUM
Gerlach, Nadine	ngerlach@marum.de	Talk 3	MARUM
Kaiser, Patricia	patricia.kaiser@uni-bremen.de	Talk 12	FB 5
Kiss, Peter	pkiss@marum.de	Poster	MARUM
Meyer, Neele	neele.meyer@senckenberg.de	Talk 4	Senckenberg a.M.
Müller, Carolin	cam@zmt-bremen.de	Poster	ZMT
Muslim, Mohanad	mmuslim@uni-bremen.de	Talk 7	FB 5
Neumann, Mareike	mneumann@bgc-jena.mpg.de	Talk 14	MPI Jena
Senff, Paula	paula.senff@leibniz-zmt.de	Talk 2	ZMT
Simancas Giraldo, Susana Marcela	sussim@uni-bremen.de	Talk 16	FB 2
Stanislawski, Katja	kstanislawski@marum.de	Talk 10	MARUM
Strack, Anne	astrack@marum.de	Speed talk	MARUM
Swoboda, Steffen	sswoboda@marum.de	Talk 5	MARUM
Tamborrino, Leonardo	ltamborrino@marum.de	Poster	MARUM
Wang, Wanzhang	wwang@uni-bremen.de	Speed talk	MARUM
Witt, Christoph	cwitt@marum.de	Speed talk	MARUM
Wu, Ting-Wei	tingweiwu@marum.de	Talk 9	MARUM
Xiang, Nan	krystalnxx@hotmail.com	Speed talk	ZMT

GLOMAR PhD Days 2019 - Sessions in detail

Poster Session

Carolin Müller (poster)

Plastics on the menu? A study on microplastic uptake by juvenile seabream

Peter Kiss (poster)

The effect of population dynamics and growth of planktonic foraminifera on the pelagic carbonate flux in the Cap Blanc upwelling area

Julia Gensel (poster)

Climate impacts on the Mkuze wetland system, Kwazulu-Natal, South Africa

Leonardo Tamborrino (poster)

Spatial Distribution and Morphology of Cold-Water Coral Mounds on the Namibian Shelf

Session I - 17 April 2019 11:45–12:45

Chair: **Leonardo Tamborrino**

11:45–12:00

(1) Seth Mensah Abobi (talk)

Comparative assessment of age, growth and food habit of the black-chinned tilapia, *Sarotherodon melanotheron* (Rüppell, 1852), from closed and open lagoons, Ghana.

12:00–12:15

(2) Paula Senff (talk)

Stable isotope labeling to investigate the bioremediation performance of the halophyte *Sesuvium portulacastrum* in hydroponic or sand culture

12:15–12:30

(3) Nadine Gerlach (talk)

Enzymatic recycling of anionic glycans by marine microbes

Session II - 17 April 2019 14:00–14:55

Chair: **Nadine Gerlach**

14:00–14:15

(4) Neele Meyer (talk)

Diversity of microbioerosion traces in the polar waters of Svalbard

14:15–14:30

Patrick Boyden (speed talk)

Last Interglacial Sea Level Reconstruction in the Indo-Pacific

14:30–14:40

Whangzhang Wang (speed talk)

Potential of magnetofossil abundance, morphology and alteration records as proxies for glacial oxygen depletion and carbon trapping in the deep North Pacific

14:40–14:55

(5) Steffen Swoboda (talk)

Export and lateral advection of organic matter at the eastern boundary upwelling ecosystem of Cape Blanc

Session III - 17 April 2019 16:00–16:55

Chair: **Mareike Neumann**

16:00–16:15

(6) Rebecca Borges (talk)

Integration of knowledge systems and marine protected area management: creating borders, overcoming boundaries

16:15–16:30

(7) Mohanad Muslim (talk)

High resolution sequence stratigraphy and cyclostratigraphy of the Lower Muschelkalk ramp central Germany

16:30–16:40

Anne Strack (speed talk)

Rates of adaptation to environmental change extracted from the fossil record of marine plankton

16:40–16:55

(8) Eva Bischof (talk)

Morphologic pathways of Anisian (Middle Triassic) ammonoids from NW Nevada, USA

Session IV - 18 April 2019 09:05–10:00

Chair: **Neele Meyer**

09:05–09:15

Christoph Witt (speed talk)

Monitoring seafloor deformation and assessing landslide hazards associated with fluid pressures (Nice Slope, France)

09:15–09:30

(9) Ting-Wei Wu (talk)

Undrained shear behavior of saturated Ottawa Sand under anisotropic triaxial loading conditions to assess seismic strengthening

09:30–09:45

(10) Katja Stanislowksi (talk)

Frictional behavior of Juan de Fuca sediments approaching the Cascadia subduction zone

09:45–10:00

(11) Aagje Eijsink (talk)

Plate-rate frictional behavior of sediment inputs to the Hikurangi margin: which lithologies host slow slip events?

Session V - 18 April 2019 11:00–11:45

Chair: **Eva Bischof**

11:00–11:15

(12) Patricia Kaiser (talk)

Arctic zooplankton under climate change

11:15–11:30

(13) Jonas Brünjes (talk)

Transformations of dissolved petroleum compounds at a natural asphalt seep in the Gulf of Mexico

11:30–11:45

(14) Mareike Neumann (talk)

Hydrocarbon Distribution in the Late Ordovician and Silurian Dirk Hartog Group from Coburn-1, Southern Carnarvon Basin, Australia

Session 6 - 18 April 2019 13:15–13:55

Chair: **Rebecca Borges**

13:15–13:30

(15) Ameris Contreras-Silva (talk)

Drivers of change and the fate of Mexican Caribbean Reefs

13:30–13:45

(16) Susana Marcela Simancas-Giraldo (talk)

Evaluation of octocorals ecophysiological response under ocean warming scenarios

13:45–13:55

Nan Xiang (speed talk)

Effects of anthropogenic changes on the N cycle microbiome of coral holobionts