



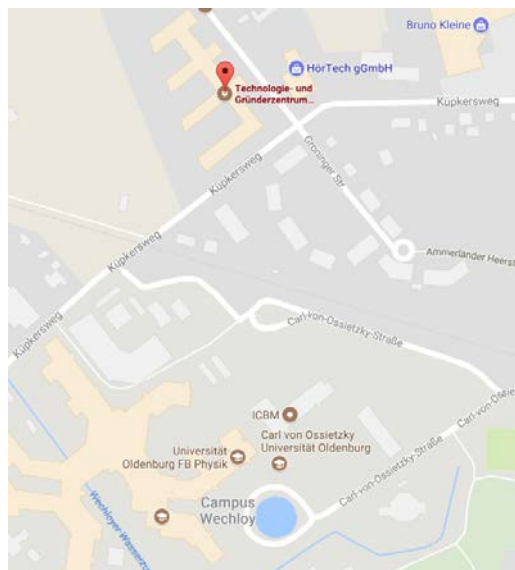
Sweet dreams are made of this...
Polysaccharide and other organic matter degradation in the oceans

When:

07th of November 2017, 09:30 – 17:00

Where:

Seminar room 3 in the TGO-building (Marie Curie Street 1, Oldenburg; close to ICBM)



Talks:

Session 1 & 2: each talk 10 min plus 2 min discussion

Session: Introduction – Senior scientist: each talk 5min

Organizer:

Hanna Koch (hanna.koch@uol.de)

09:30 – 09:35 Welcome, overview of the symposium
- **Hanna Koch**

09:40 – 11:00 First Session
Chair: Thorsten Brinkhoff

Diversity and stability of bacterial communities and dissolved organic matter in a temperate estuary
- **Helena Osterholz**

Impact of intensive milkfish aquaculture on microbial communities and organic matter loading in the Guiguwanen Channel, Philippines
- **Christiane Hassenrück**

Modeling the degradation of dissolved organic matter through a network of compounds and bacteria
- **Andrea Mentges**

Structure and function of marine bacterial enzymes involved in polysaccharide degradation
- **Craig Robb**

Carbohydrate binding proteins
- **Agata Mystkowska**

11:00 – 11:30 Coffee break

11:30 – 12:15 Introduction – Senior scientists
Chair: Hanna Koch
**Jan-Hendrik Hehemann, Thorsten Brinkhoff, Meinhard Simon,
Jutta Niggemann, Astrid Gärdes, Tilmann Harder**

12:15 – 13:30 Lunch break

13:30 – 14:45 Second Session
Chair: Helena Osterholz

Carbohydrate pulses upon senescence of an algal bloom as evidenced by NMR analysis of DOM
- **Tilmann Harder**

Proteomic insights into fucoidan degradation by marine Verrucomicrobia
- **Andreas Sichert**

Structural and functional analysis of CAZymes utilizing the algal polysaccharide fucoidan
- **Nadine Gerlach**

Marine polysaccharide-degrading bacteria - a cell-centric perspective
- **Hanna Koch**

Marine polysaccharide-degrading bacteria - an environmental perspective
- **Matthias Wietz**

14:45 – 15:30 Coffee break: Brainstorming for discussion

15:30 – 16:45 Concluding discussion
Chair: Craig Robb
