

## Special Conference Issue



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# Final Conference Information

Priska Schäfer, Conference Host

The 15<sup>th</sup> IBA conference is rapidly approaching! I want to give some final instructions how to get to Kiel and also to provide you with the conference and workshop program. In addition, city and campus map are included in this circular.

## Travel to Kiel

Most of you may arrive by airplane in **Hamburg (Fuhlsbüttel)** on Friday, July 30, Saturday, July 31, or Sunday, August 1. If you intend to fly in to Frankfurt, you have to change airplanes and continue to Hamburg. You could also use the train from Frankfurt to Kiel, however the train would take 6-7 hours in contrast to 50 minutes for the flight.

Public transfer from Hamburg Airport to Kiel (ZOB-Central Bus Terminal/Central Train Station) is by bus "KIELIUS". At Hamburg Airport, the **Bus „KIELIUS Hamburg – Neumünster – Kiel“** departs in front of the Arrival Hall. Please stay there and wait for the next bus to come every hour. The bus carries its name and destination (Kiel) on the upper front. The bus has at least one stopover (Neumünster city) however, you will just stay until the final destination, Kiel – ZOB / Central Train Station. The bus-ride Hamburg – Kiel takes 90 minutes. Taxis will be waiting at the bus terminal and in front of the train station to bring you to your hotel. The tickets are purchased in the bus. It is cheaper to buy a return ticket or a combi-ticket (in the latter is the taxi included). KIELIUS is by far the most comfortable way to get from Hamburg Airport to Kiel

([http://www.autokraft.de/docs/4550\\_beide\\_NEU\\_1.pdf](http://www.autokraft.de/docs/4550_beide_NEU_1.pdf)).

Bus Schedule for KIELIUS, Hamburg – Kiel and Kiel – Hamburg

	<b>Departure Hamburg - Airport</b>	<b>Arrival Kiel – ZOB / Central Train Station</b>
Weekdays	5 minutes past every full hour (8:05 ..... 0:05)	32 minutes past every full hour (9:32 .....1:22)
Saturday	5 minutes past every full hour (8:05 ..... 0:05)	32 minutes past every full hour (9:32 ..... 1:22)
Sunday	5 minutes past every full hour (8:05 ..... 0:05)	32 minutes past every full hour (8:32 ..... 1:22)
	<b>Departure Kiel – ZOB / Central Train Station</b>	<b>Arrival Hamburg Airport</b>
Weekdays	20 minutes past every full hour (5:20 ..... 18:20) 40 minutes past every full hour (19:40 ..... 21:40)	45 minutes past every full hour (6:45.....19:55) 50 minutes past every full hour (20:50 ..... 20:50)
Saturday	20 minutes past every full hour (5:20 ..... 18:20) 40 minutes past every full hour (19:40 ..... 21:40)	45 minutes past every full hour (6:45.....19:55) 50 minutes past every full hour (20:50 ..... 20:50)
Sunday	20 minutes past every full hour (5:20 ..... 18:20) 40 minutes past every full hour (19:40 ..... 21:40)	45 minutes past every full hour (6:45.....19:55) 50 minutes past every full hour (20:50 ..... 20:50)

Those of you participating in the **pre-conference field trip** to Denmark/Scania guided by Eckart Håkansson fly in to Copenhagen on Sunday 25 in the morning. Meeting site will be the Geological Museum in the late afternoon. The excursion will end in Kiel on Saturday evening July 31.

### **Danhostel Copenhagen Amager**

Veijlands Alle 200  
2300 Kobenhavn S  
Danmark 3252 2908  
Tlf. +45 32-52-29-08

[copenhagen@danhostel.dk](mailto:copenhagen@danhostel.dk)

### **Geologisk Museum**

Øster Voldgade 5  
1350 Kobenhavn K  
Danmark - 3532 2345

Those of you participating in the **post-conference field trip** to West Germany / Netherlands will keep in mind that your port of departure after conference and post-conference field trip will be **Frankfurt**. In case you want to extend your stay in Frankfurt, contact the hotel in Frankfurt.

#### **Villa Diana**

Westendstr. 83  
D-60325 Frankfurt/Main  
Tel. 0049-69-9074420  
[info@villadianafrankfurt.de](mailto:info@villadianafrankfurt.de)

### **Workshops**

Three workshops will be held on Saturday, August 1

**“Bryozoa on the Web”** organized by Scott Lidgard and colleagues

**“Bryozoan geochemistry and carbonates: proxies for palaeoclimate and environment”**  
organized by Abigail Smith and Marcus Key

**“Trepotomata”** organized by Andrej Ernst and Caroline Buttler

The workshop I “Bryozoa on the web” will start on Sunday morning, August 1 at 9:00 and will continue in the afternoon. The workshop is located on the university campus, EDV/PC Lab (campus map, no. 5). The two other workshops will be on Sunday afternoon from 14:00 to 17:00 and will take place in the Institute of Geosciences (campus map, no. 4 and 6).

To reach the university campus on Sunday morning, please ask at the desk of your hotel. Public city busses (61/62 and 81) run on weekdays, however, they do not run on Sundays. Therefore, it might be wise to join with colleagues in your hotel and share a taxi. On the campus, the main destinations (Audimax - lecture sessions; EDV/PC Lab - workshop I; Institute of Geosciences - workshops II, III, Ice breaker) will be indicated by signboards. Please, do not forget to take your city and campus maps with you! In case you need any special help, please do not hesitate to contact us.

### **Icebreaker Party**

The Icebreaker will be on Sunday evening, August 1, from 17:00 to 20:00 in the foyer of the Geological Museum (Institute of Geosciences) or on the lawn in front of the institute depending on the actual weather (campus map, no. 4). An official reception including exhibits, wine and music will take place on Monday evening, August 2 in the Zoological Museum of Christian-Albrechts-University.

### **Lecture sessions**

The lectures will be held from Monday to Friday, August 2 – 6, in the Audimax (Central Lecture Hall on University Campus; see no. 1, campus map). Lectures start at 9:00 every morning except of Monday, when the registration desk will be open as early as 8:00. This gives time to continue registration, hand in presentations (important especially for those who

have their presentation already Monday morning!), set up your posters and submit your manuscripts.

Keep in mind that we have a tight lecture program; therefore, with respect to your colleagues, please stay within the 20 min. time frame (including talk **and** discussion) unless otherwise indicated in the program. The lecture hall provided with a beamer for power point; a digital version (PC-version) of your talk on a stick is mostly appreciated. For those of you who may work at home with a MAC, however, we shall keep a MAC laptop as reserve.

### **Poster session**

A special poster session will be held on Tuesday. However all posters can be visited during the entire conference. To guarantee as much attention as possible, a guided tour through the poster session is planned. A little prize for the best poster (science and layout) will be provided.

Posters should be in DIN A0 format, that is 841mm width and 1189 mm height. Materials to stick the posters will be awarded.

### **Manuscripts**

Manuscripts must be submitted at the beginning of the conference and will be distributed among the reviewers. On the IBA conference web page you find the instructions of the publisher (Springer) and also a template, which can be used to prepare your manuscripts. Please note that Springer will typeset everything so that even the most basic of formatting is sufficient, ie:

A word file with:

- Abstract
- Indications, where which figures go
- Figures either embedded in the file or in a separate folder.

There will be no charge for colour images of high resolution photographs.

### **Touristic Program**

For Wednesday, August 3 an afternoon-evening tour is planned to visit the Hanseatic city of Lübeck, where guided tours are offered but some of you may also stroll around in a medieval ambience by yourself. Special highlights are a visit of the marzipan factory “*Niederegger*” with café and store, and the “*Marienkirche*”. Another option is to go on a little scenic boat tour. Opportunity for a joined evening dinner is in the traditional restaurant “*Schiffergesellschaft*”.

A touristic program is also organized for spouses such as a one-day tour on Tuesday to visit the Viking settlement and museum *Haithabu* and the old residential city of *Schleswig* with castle, gothic cathedral and the old fishing village o the Holm. A boat trip on the *Kieler Förde* (Kiel fjord) with sightseeing is planned for Thursday, August 5.

### **Weather Forecast**

After a very cold and long winter with lots of snow and ice along the coasts we are optimistic to have a nice summer with temperatures between 20° and 30°C at noon. Despite it being

August, bring along a raincoat and a warm sweater, but also some light clothing for warm or even hot days (<http://www.weatheronline.co.uk/Germany.htm>.)

On behalf of my colleagues in Kiel and all those who help planning and organizing the conference,

I want to welcome you in Kiel,

Sincerely yours,  
Priska Schäfer

# Overview of Workshops

## Sunday, August 1, 2010

Time	BRYOZOA ON THE WEB	Time	BRYOZOAN GEOCHEMISTRY	Time	TREPOSTOMATA
9:00	Introduction				
9:20	Resources on the Web I				
9:40	Resources on the Web II				
10:30	<i>Coffee Break</i>				
10:50	Introduction to Scratchpad				
11:50	Discussion				
12:10	<i>Lunch</i>	12:30	<i>Lunch</i>	12:30	<i>Lunch</i>
13:30	ScratchPad training				
		14:00	Introduction: geochemical techniques	14:00	1. Introduction
		14:15	Mineralogy ( <i>Abigail Smith</i> )		2. Morphologic characters
			1. Basic carbonate geochemistry		3. Taxonomy, problems, approach for cladistics and phylogeny
			2. Trends in Invertebrate mineralogy		4. Practical examination
			3. Bryozoan mineralogy	15:30	<i>Coffee Break</i>
			4. Consequences / usefulness	15:45	5. Diversity –Radiations/Extinctions
			5. Question time		6. Evolution at phylum and genus level
15:30	<i>Coffee Break</i>	15:15	<i>Coffee Break</i>		
		15:30	Isotopes ( <i>Marcus Key</i> )		
			1. Range of stable/unstable isotopes		
			2. Analytical techniques		
			3. Theory/application of oxygen isotopes		
			4. Theory/application of carbon isotopes		
			5. Question time		
16:30	End	16:30	Group discussion		
		17:00	Finish up	17:00	End

17:00 – 20:00	<b>ICE BREAKER PARTY and REGISTRATION</b>
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IBA Conference Program, Workshops, Saturday, August 1, 2010 (University Campus)

Workshop I „Bryozoa on the Web“: EDV/PC Lab, Otto-Hahn-Platz 1, little foot bridge across Olshausenstraße [5]

Workshop II „Bryozoan Geochemistry“: Lecture Hall 7, Institute of Geosciences, Ludwig-Meyn-Str. 10 [6]

Workshop III „Trempostomata“: Lecture Hall 22, Institute of Geosciences, Ludwig-Meyn-Str. 10 [6]

## Overview of Presentations

IBA Conference Program, Monday through Friday, August 2 – 6, 2010. All lectures and the poster session in the Audimax [1]

Time	Monday, August 2	Time	Tuesday, August 3	Time	Wednesday, August 4
8:00	<i>Business Desk</i>				
9:00	Welcome	9:00	Smith & Garden	9:00	Ramalho
9:15	Waeschenbach et al.	9:30	Loxton et al.	9:20	Spencer Jones
9:45	Dick et al.	9:50	Kuklinski et al.	9:50	Denisenko
10:05	Fuchs & Heijnol	10:10	Bitschofsky	10:10	Rouse et al.
10:25	Fehlauer-Ale et al.	10:30	<i>Coffee Break</i>	10:30	<i>Coffee Break</i>
10:45	<i>Coffee Break</i>	10:50	Jackson	10:50	<i>Hirose et al.</i>
11:10	Heindl et al.	11:30	Thomsen et al.	11:20	Taylor et al.
11:40	Winson et al.	11:50	Lombardi et al.	11:40	Bock & Tilbrook
12:00	Porter et al.	12:20	Hara et al.	12:00	Obst et al.
12:20	Nesnidal et al.	12:40	<i>Lunch</i>	12:20	Winston & Hayward
12:40	<i>Lunch</i>	14:00	Group Photograph	12:40	Announcements
14:00	Fuchs et al.	14:10	Viskova & Koromyslova	12:45	<i>Lunch</i>
14:30	Gruhl	14:40	Sears & Woollacott	14:00	Excursion to Lübeck
14:50	Okamura	15:00	d'Hondt		
15:10	Schwaha et al.	15:20	Scholz et al.		
15:30	<i>Coffee Break</i>	15:40	<i>Coffee Break</i>		
16:00	Ostrovsky	16:00	Poster Session		
16:30	Davis				
16:50	Sendino & Taylor				
17:10	Schmidt				
17:30	Announcements	17:30	IBA Council		
19:00	Reception				
21:30				23:00	

(continued.....)

<b>Time</b>	<b>Thursday, August 5</b>	<b>Time</b>	<b>Friday, August 6</b>
9:00	Herrera et al.	9:00	El Safori
9:20	O'Dea et al.	9:20	Ernst
9:50	Lidgard & Spencer Jones	9:50	Bigey
10:20	<i>Coffee Break</i>	10:10	Tolokonnikova
10:50	Vávra	10:30	Wyse Jackson et al.
11:20	Zágoršek	10:50	<i>Coffee Break</i>
11:40	Cáceres Chamizo et al.	11:10	Rosso & Braga
12:00	Berning et al.	11:30	Ryland & Porter
12:20	Schäfer et al.	11:50	Moissette
12:40	<i>Lunch</i>	12:10	Wilson et al.
14:00	Key et al.	12:30	Hartikainen & Okamura
14:20	Gordon	12:50	<i>Lunch</i>
14:40	Wöss & Novosel	14:20	Reid
15:00	<b>Announcements</b>	14:40	Bone & Noel
15:05	<i>Coffee Break</i>	15:00	Hageman et al.
15:45	Aquarium Tour	15:20	Rosso et al.
		15:40	<b>Announcements</b>
18:00		16:00	<i>Coffee Break</i>
		16:20	<b>IBA Business</b>
19:00	<b>Conference Dinner</b>	17:00	<b>IBA Council</b>
23:00			



# Detailed Conference Program

## July 25 - 31      PRE-CONFERENCE FIELD EXCURSION

Organized by *Eckart Håkansson*  
Start in Copenhagen (July 25, Late Afternoon)

Geologisk Museum Øster Voldgade 5 1350 København K End in Kiel (July 31, Evening)	Danhostel Copenhagen Amager Vejlands Alle 200 2300 København S
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Maastrichtian and Danian of Sjælland (Stevns Klint – Højerup & Rødvig, Fakse Quarry and Museum); Silurian in Scania (Bjärsjölagård); Maastrichtian in Scania (Ivö and Ignaberga), Kristineberg Marine Biological Station; Lower Maastrichtian in Jylland (Rørdal Quarry), Lower Danium (Bulbjerg), Thisted Dome – Maastrichtian/Palaeogene Boundary (Nye Kløv, Kjølby Gård), Kælingedal, Miocene in Jylland (Gram Quarry & Museum).

## Sunday, August 1      WORKSHOPS

### 9:00-12:00      Workshop I „Bryozoa on the Web“

EDV/PC Lab, Otto-Hahn-Platz 1, little footbridge across Olshausenstraße [5]  
Organized by *Scott Lidgard* and colleagues

- 9:00 – 9:20      Bryozoans on the Web – Perspective, Historical Notes, and present State  
*Scott Lidgard, Philip Bock, Judy E. Winston*
- 9:20 – 9:40      Resources on the Web Part I – Research Tools and Large-Scale Biodiversity Initiatives  
*Dennis P. Gordon, Joanne S. Porter*
- 9:40 – 10:30      Resources on the Web Part II – Institutional and Individual Bryozoan Sites  
*Mary Spencer Jones, Adrew N. Ostrovsky, Piotr Kuklinski. Aaron O’Dea, Paul D. Taylor*
- 10:30 – 10:50      **Coffee and Tea**
- 10:50 – 11:50      Introduction to ScratchPads and Looking Ahead  
*Vincent Smith, Edward Baker*
- 11:50 – 12:10      Discussion – What Would You Like to See in a Shared Bryozoan Website?  
Moderators: *Scott Lidgard, Mary Spencer Jones, Vincent Smith, Edward Baker*
- 12:10 – 13:30      **Lunch at University Campus Suite, Westring [7]**
- 13:30 – 16:30      ScratchPads Training and Bryozoans on ScratchPads – Demonstrations in small groups  
*Vincent Smith, Edward Baker, Scott Lidgard, Mary Spencer Jones*

### 14:00 – 17:00      Workshop II "Bryozoan Geochemistry and Carbonates: Proxies for Palaeoclimate and Environment"

Lecture Hall 7, Institute of Geosciences, Ludewig-Meyn-Str. 10 (opposite of the museum) [4]  
Organized by *Abigail M. Smith* and *Marcus M. Key, Jr.*

- 14:00 – 14:15      Introductions and Marcus reviews the range of geochemical techniques

- 14:15 – 15:15 Abby on Mineralogy  
 1. Basic carbonate geochemistry  
 2. Trends in invertebrate mineralogy  
 3. Bryozoan mineralogy  
 4. Consequences/usefulness (Ocean Acidification implications here)  
 5. Question time
- 15:15 – 15:30 **Coffee and Tea**
- 15:30 – 16:30 Marcus on Isotopes  
 1. Range of isotopes (stable and unstable) commonly used  
 2. Analytical techniques and standards of stable isotopes  
 3. Theory and application of carbon isotopes  
 4. Theory and application of oxygen isotopes  
 5. Question time
- 16:30 – 17:00 Group discussion (successes and disasters)
- 17:00 – 17:10 Finish up

**14:00 – 17:00 Workshop III "Trepotomata: morphology, taxonomy, phylogeny and evolution"**

Room 22, Institute of Geosciences, Ludwig-Meyn-Str. 10 (behind Lecture Hall 7) [6]  
 Organized by *Andrej Ernst* and *Caroline Buttler*

- 14:00 – 15:30 1. Introduction – What are trepostomates? Definition of the order, relations to other orders  
 2. Morphologic characters used in trepostomate bryozoans  
 3. Trepostomate taxonomy, problems and approach for cladistics and phylogeny
- 15:30 – 15:45 **Coffee and Tea**
- 15:45 – 17:00 4. Practical – examination of specimens  
 5. Diversity – radiations and extinctions  
 6. Evolution at phylum and genus level  
 7. Palaeoecology

**17:00 – 20:00 ICE BREAKER and REGISTRATION**

Institute of Geosciences, Ludwig-Meyn-Str. 10, in front of the museum and/or outside the institute on the lawn (depending on the actual weather) [4]

**Monday, August 2**

Morning

- 8:00 – 9:00 IBA Business Desk (settle accounts) – *Audimax, Lobby* [1]  
 Poster Set Up  
 Submission of Manuscripts – *Andrej Ernst & Joachim Scholz*

**Welcome and Introduction** – *Audimax, Lecture Hall G* [1]

- 9:00 Priska Schäfer, 15<sup>th</sup> IBA Conference Host  
 Thomsa Bosch, Vice president of Christian-Albrechts-University  
 Judy E. Winston, President of the IBA

**All lecture sessions from Monday to Friday in the Audimax, University campus**

**Molecular Genetics and Phylogeny**

- 9:15                    **Andrea Waeschenbach**, Paul D. Taylor, Joanne S. Porter, D.T.J. Littlewood  
A date-calibrated phylogeny of Bryozoa
- 9:45                    **Matthew H. Dick**, Masato Hirose, Shunsuke F. Mawatari  
Molecular phylogeny of the calloporid bryozoan genus *Cauloramphus*
- 10:05                   **Judith Fuchs** and Andreas Hejnol  
Gene expression patterns in Bryozoa: common bilaterian body plan formation genes in larval *Bugula neritina*
- 10:25                   **Karin Hoch Fehlaue-Ale** and Alvaro Esteves Migotto  
Alien species *Bugula neritina* (Cheilostomata: Bugulidae) from South Atlantic Brazilian waters: first evidence, new genetic markers
- 10:45                   **Coffee and Tea**  
Submission of Manuscripts – Andrej Ernst and Joachim Scholz
- 11:10                   **Herwig Heindl**, Jutta Wiese, Johannes F. Imhoff  
Marine bryozoan-associated microorganisms: antibiotic properties and phylogenetic classification
- 11:40                   **Michael K. Winson**, Heather P. Moore, Joanne S. Porter  
Association of Bacteria with larvae of marine Bryozoa
- 12:00                   **Joanne S. Porter**, S. Cocito, Chiara Lombardi, Maja Novosel, Mary Spencer Jones, Andrea Waeschenbach  
A phylogeographic study of the genus *Pentapora* (Bryozoa: Cheilostomata) in North West Europe and the Mediterranean
- 12:20                   **Maximilian P. Nesnidal**, Martin Helmkampf, Iris Buchhaus, Bernhard Hausdorf  
Phylogenetic relationships of the lophophorate lineages, Ectoprocta, Brachiopoda and Phoronida, based on genomic data
- 12:40                   **Lunch** – Mensa am Westring, University Campus [2]

## Monday, August 2

Afternoon

- 14:00                   **Judith Fuchs**, Tohru Iseto, Mamiko Hirose, Per Sundberg, Matthias Obst  
The enigmatic Entoprocta (Kamptozoa) – The first internal molecular phylogeny of the phylum and discussion of their position within Lophotrochozoa

### ***Life History / Reproduction Biology / Anatomy***

- 14:30                   **Alexander Gruhl**  
Occurrence and identity of “white spots” in Phylactolaemata
- 14:50                   **Beth Okamura**  
The demography of *Cristatella mucedo*
- 15:10                   **Thomas Schwaha** and Andreas Wanninger  
Ectoproct muscle system and their significance for phylogenetic considerations
- 15:30                   **Coffee and Tea**

- 16:00                    **Andrew N. Ostrovsky**  
Extraembryonic nutrition and placental analogues in cheilostome Bryozoa
- 16:30                    **Christine Davis**  
Some aspects on the life history of a marine fouling bryozoan, *Bugula flabellata* (Thompson in Gray, 1848) in the New Zealand environment
- 16:50                    **Consuelo Sendino**, Paul D. Taylor  
Symbiosis between conulariids and a bryozoan in the Silurian of Indiana
- 17:10                    **Rolf Schmidt**  
High resolution non-destructive imaging techniques for internal fine structure of bryozoans

**Announcements – Priska Schäfer**

- 19:00 - 21:30            **Reception – Zoological Museum, Hedewischstr. 3 (see city map)**  
Wolfgang Dreyer, Head of the Zoological Museum  
Thomas Bosch, Vice President and Director of Zoology Department (Evolutionary Biology)  
Visit of exhibits, wine and music

**Tuesday, August 3**

Morning

**Climate Response**

- 9:00                    **Abigail M. Smith** and Christopher J. Garden  
Being a bimineral bryozoan in an acidifying ocean
- 9:30                    **Jennifer Loxton**, Piotr Kuklinski, J. Mair, Joanne S. Porter, Mary Spencer Jones  
Comparison of polar bryozoan skeletal mineralogy as an indicator of climate change impact
- 9:50                    **Piotr Kuklinski**, A. Sokolowski, M. Ziolkowska, P. Balazy, Maja Novosel, David K. A. Barnes  
Growth ratio of selected sheet-like bryozoan colonies along a latitudinal transect
- 10.10                   **Franziska Bitschofsky**  
Bryozoans as indicators for oceanographic and climatic change in the North Sea

10:30                   **Coffee and Tea**

**Key Note Lecture**

- 10:50                   **Jeremy B. C. Jackson**  
The Future of the Oceans Past

**Climate Response**

- 11:30            **Jörg Thomsen**, Yasmin Appelhans, Christian Pansch, Martin Wahl, Arne Körtzinger, Frank Melzner  
Natural pCO<sub>2</sub> variability in the Western Baltic Sea and its impact on marine invertebrates
- 11:50            **Chiara Lombardi**, S. Cocito, M. C. Gambi, Paul D. Taylor  
Growth and morphology of the Mediterranean bryozoan *Calpensia nobilis* (Esper, 1796) transplanted into an area of natural volcanic CO<sub>2</sub> vents
- 12:20            **Urszula Hara**, M. Jasionowski, P. Presler  
Geochemistry and mineralogy of bryozoan skeletons from the Admiralty Bay (South Shetland Islands), Antarctica: a preliminary account
- 12:40            **Lunch** – Mensa am Westring, University Campus [2]

### Tuesday, August 3

Afternoon

- 14:00            **Group Photograph** – Meet in the Lobby of Audimax
- Research History**
- 14:10            **Lena A. Viskova**, Anna V. Koromyslova  
Review of Post-Paleozoic bryozoans' studies in Russia
- 14:40            **Mary A. B. Sears**, Robert M. Woollacott  
Rev. William F. Lynch: a life in science and education
- 15:00            **Jean-Loup d'Hondt**  
The Parisian School of bryozoology
- 15:20            **Joachim Scholz**, Mary Spencer Jones, Andrei V. Grischenko, Toshihiko Fujita  
Professor Mitsukuri's Bryozoa
- 15:40            **Coffee and Tea**
- 16:00            **Poster Session**  
The posters are presented by the author(s)
- 17:30            **IBA Council Meeting** – Institute of Geosciences, Room 115 [3]

### Wednesday, August 4

Morning

#### **Scientific Collections**

- 9:00            **Laís V. Ramalho**  
Bryozoan collection – Museu Nacional, Brazil
- 9:20            **Mary E. Spencer Jones**  
A Future for the Past? – the importance of historical collections for biodiversity and environmental research

9:50 **Nina V. Denisenko**  
History of research and current state of bryozoan diversity in the East Siberian Sea

***Faunistic Studies***

10:10 **Sally Rouse**, Joanne S. Porter, Mary E. Spencer Jones  
Bryozoan biodiversity in Scotland

10:30 ***Coffee and Tea***

10:50 **Masato Hirose**, Joachim Scholz, Shunsuke F. Mawatari, Matthew H. Dick  
Cheilostome Bryozoa from Sagami Bay: diversity and faunal changes over the past 130 years

11:20 **Paul D. Taylor**, Matthew H. Dick, Di Clements, Shunsuke F. Mawatari  
A diverse bryozoan fauna from Pleistocene marine gravels at Kuromatsunai, Hokkaido, Japan

11:40 **Philip E. Bock**, Kevin J. Tilbrook  
Bryozoan diversity of coral reefs in Australia sampled by CReefs – preliminary results

12:00 **Matthias Obst**, Judith Fuchs, Per Sundberg  
An inventory of marine bryozoans in Sweden – Results from the Pandalina expedition

12:20 **Judith E. Winston**, P. J. Hayward  
Bryozoans of the Northeast coast of the United States: Maine to Virginia

***Announcements – Priska Schäfer***

12:45 **Lunch**, Mensa am Westring, University campus [2]

14:00 – 23:00 **Bus Excursion to the Hanseatic city of Lübeck** including guided tour, visit of historic places and evening dinner at Restaurant “*Schiffergesellschaft*”

The busses are leaving in front of the blue university building off Audimax

**Thursday, August 5**

Morning

***Evolutionary Patterns***

9:00 **Amalia Herrera-Cubilla**, Felix Rodriguez, Aaron O’Dea, Jeremy B. C. Jackson  
Phylogeny of the Genus *Cupuladria* (Bryozoa: Cheilostomata) in the Neogene of tropical America

9:20 **Aaron O’Dea**, Walton A. Green, Jeremy B. C. Jackson  
Niche breadth in Caribbean cupuladriid bryozoans through the Neogene

9:50 **Scott Lidgard**, Mary E. Spencer Jones  
Darwin on bryozoan polymorphism

10:20 ***Coffee and Tea***

### ***Faunistic Studies and Zoogeography***

- 10:50                    **Norbert Vávra**  
Response of Early Miocene bryozoans to seaway connections and climatic changes: some possible generalizations
- 11:20                    **Kamil Zágoršek**  
Development of Miocene bryozoans in a North-South transect through the Paratethys
- 11:40                    **Julia P. Cáceres Chamizo**, Andrew N. Ostrovsky, Norbert Vávra  
Preliminary comparison of bryozoan collections from the Northern Indian Ocean and the Red Sea
- 12:00                    **Björn Berning**, Jean-George Harmelin, Beate Bader  
A preliminary assessment of the biodiversity, biogeography and evolution of cheilostome Bryozoa on NE Atlantic seamounts
- 12:20                    **Priska Schäfer**, Amalia Herrera-Cubilla, Beate Bader  
Distribution and zoogeography of cheilostomate Bryozoa along the Pacific coast of Panama: Gulf of Panama vs. Gulf of Chiriqui
- 12:40                    **Lunch**, *Mensa am Westring, University campus [2]*

### **Thursday, August 5**

Afternoon

### ***Bryozoan Ecology***

- 14:00                    **Marcus M. Key, Jr.**, Joel B. Knauff, David K. A. Barnes  
If you can't beat them, join them: epizoic bryozoans on predatory pycnogonids from the South Orkney Islands, Antarctica
- 14:20                    **Dennis P. Gordon**  
Life on the edge – *Parachnoidea* (Ctenostomata) and *Barentsia* (Kamptozoa) on giant vent mussels from an active submarine volcano, Kermadec volcanic arc
- 14:40                    **Emmy Wöss**, Maja Novosel  
Krka River (Croatia): Case study of bryozoan settlement from source to estuary

### ***Announcements - Priska Schäfer***

- 15:05                    **Coffee and Tea**
- 15:45                    **Guided tour through the Aquarium** and associated facilities at the *Institut für Meereskunde-Geomar* (Leibniz Institute of Marine Sciences), entrance from Hindenburgufer (water front) (see city map)
- 19:00 – 23:00                    Conference Dinner  
HOTEL MARITIM BELLEVUE Kiel, Bismarckallee 2 (Düsternbrook)  
(see city map)

## Friday, August 6

Morning

### ***Faunas and Evolutionary Patterns***

- 9:00 **Yasser A. El Safori**  
First record of Jurassic Bryozoa from Egypt, Gebel Maghara area, North Sinai
- 9:20 **Andrej Ernst**  
Palaeobiogeography, diversity dynamics and evolution of Devonian Bryozoa
- 9:50 **Françoise P. Bigey**  
Givetian Bryozoa: an overview
- 10:10 **Zoya A. Tolokonnikova**  
Early Carboniferous bryozoans from Southern Trans-Ural (Russia)
- 10:30 **Patrick Wyse Jackson**, Andrej Ernst and Frank K. McKinney  
Cyclozoecia in fenestrate bryozoans: a taxonomic conundrum
- 10:50 **Coffee and Tea**

### ***Faunas and Taxonomic Revisions***

- 11:10 **Antonietta Rosso**, Giampietro Braga  
The genus *Sparsiporina* d'Orbigny, 1852 (Bryozoa) in the Cenozoic of Europe with description of a new species
- 11:30 **John S. Ryland**, Joanne S. Porter  
Species of *Alcyonidium* (Ctenostomatida) from the Pacific Coast of North America, with clarification of *A. parasiticum* (Fleming)

### ***Bryozoan ecology and Sediment Interactions***

- 11:50 **Pierre Moissette**  
Seagrass-associated bryozoan communities from the Late Pliocene of the Island of Rhodes (Greece)
- 12:10 **Mark A. Wilson**, Paul D. Taylor, John Sime  
Paleoecology, preservation and taxonomy of encrusting ctenostome bryozoans inhabiting ammonite body chambers in the Late Cretaceous Pierre Shale of Wyoming and South Dakota, USA
- 12:30 **Hanna Hartikainen**, Beth Okamura  
Effects of turbidity on survival and growth of the phylactolaemate *Fredericella sultana*
- 12:50 **Lunch, Mensa am Westring, University campus [2]**

### ***Bryozoan Taphonomy***

- 14:20 **Catherine Reid**  
Large sediment encrusting trepostome bryozoans from glaciomarine Permian rocks of Tasmania, Australia
- 14:40 **Yvonne Bone**, Noel James



Cenozoic bryozoan classification tables for sedimentologists and taxonomists

- 15:00      **Steven J. Hageman**, Frank K. McKinney, Andrej Jaklin  
Testing microhabitat complexity as a control over bryozoan colonial growth form and species distributions: A case study from the modern, eastern Adriatic Sea
- 15:20      **Antonietta Rosso**, Emanuela Di Martino, Michele Vagliasindi  
Bryozoan communities and thanatocoenoses from submarine caves in the Plemmirio Marine Protected Area (SE Sicily)
- 15:40      **Announcements** – Priska Schäfer  
*One-day and post-conference field excursions*
- 16:00      **Coffee and Tea**
- 16:20      **IBA Business Meeting** – Audimax, Lecture Hall G [1]
- 17:00      **IBA Council Meeting** – Audimax, Lecture Hall G [1]

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**Saturday, August 7**

**ONE-DAY EXCURSIONS**

- 8:00 – 12:00**      **Dredge-Tour I with RV “Littorina”**  
Organized by *Elena Nikulina*  
Start from the pier of “*Institut für Meereskunde*” opposite the aquarium;  
Sorting of dredged material in the lab of the Institute of Geosciences, University campus [6].
- 12:00 – 16:00**      **Dredge-Tour II with RV “Littorina”**  
Organized by *Elena Nikulina*  
Start from the pier of “*Institut für Meereskunde*” opposite the aquarium;  
Sorting of dredged material in the lab of the Institute of Geosciences, University campus [6].
- 8:00 – 17:00**      **Field Excursion to Lägerdorf / Kronsmoor (Itzehoe)**  
Organized by *Sven Nielsen* and *Björn Berning*  
Start in front of blue University building opposite Audimax  
Visit to Upper Campanian to Lower Maastrichtian Chalk facies Northwest of Hamburg
- 8:00 – 21:00**      **Field Excursion to the North Sea Tidal-Flat Ecosystem**  
Organized by *Priska Schäfer*  
Start in front of blue University building opposite Audimax  
Bus ride from Kiel to Stapelholm, overview of the Schleswig-Holstein landscape formed during the Late Quaternary; visit to the *Multimar Watt Forum* in Tönning, visit to the old fishing town including lunch, drive to Westerhever, walk across the salt marsh and tidal flat and study of this unique ecosystem.

**August 8 -14**

## **POST CONFERENCE FIELD EXCURSION**

Organized by *Andrej Ernst* and *Priska Schäfer*; invited guides *John Jagt*, *Jan Bohatý* and *Kirsten Grimm*

Departure on Sunday, August 8 at 7:45 from Kiel train station; travel by train from Kiel to Köln (Cologne).

Visit to Cologne Cathedral; bus ride from Cologne to Maastricht (Netherlands); visit to Natural History Museum in Maastricht, bryozoan collections; quarries around Maastricht with Maastrichtian tuff chalk (E.N.C.I.) and K/Pg boundary sections (Geulhemmerberg). Busride from Maastricht to Blankenheim; visit to various mid-Devonian outcrops in the *Eifel synclinorium* (Middle Devonian) containing a rich bryozoan fauna. Ship tour on the river Rhine from Boppard to Bacharach; fossil-rich Tertiary outcrops in the Mainz Tertiary basin. Visit to Natural History Museum in Mainz; visit to Messel quarry (UNESCO World Heritage natural site). Visit to the Senckenberg Museum, Frankfurt.

End of the trip on Saturday, August 14, in Frankfurt/Main.

## **POSTER PRESENTATIONS**

**Susan Anderko, Jenifer Zwanzger, Priska Schäfer, Joachim Scholz:** Maastricht reloaded: Studies on the E. Voigt sites in the Uppermost Cretaceous of Maastricht, Netherlands.

**Franziska Bitschofsky, Joachim Scholz, Stefan Forster:** The epizoobiotic bryozoan community of *Flustra foliacea* in the Southern and Northern North Sea Basin; Keystone species.

**Heidi Blaschek, Priska Schäfer, Helena Fortunato:** Impact of ocean acidification on the bryozoan *Flustra foliacea* (L.) – a geochemical approach.

**Mônica Botter-Carvalho, Laís V. Ramalho:** Some bryozoans from Fernando de Noronha, Brazil.

**Andrej Ernst, Caroline Buttler:** Lower Devonian (Emsian) cystoporate bryozoan fauna from Northwestern Spain.

**Roger J. Cuffey, Zhu Zongde, Nils Spjeldnaes (late), Hu Zhao-Xun (late):** The oldest-known bryozoan reefs (Yichang, central China; Late Tremadocian, mid-Early Ordovician), and comparison with the next-oldest (Garden Island, New York/Vermont; basal Chazyan, early Middle Ordovician).

**Andrej Ernst, Hans Arne Nakrem:** Stenolaemate bryozoans from the Mjøla Formation (Late Ordovician, Katian) of Helgøya (Bergevika), southern Norway.

**Karin Hoch Fehlaue-Ale, Leandro M. Vieira, Judith E. Winston:** Molecular and morphological characterization of species of *Amathia* Lamouroux, 1812 (Ctenostomata: Vesiculariidae) from Brazilian coast.

**Blanca Figuerola, Manuel Ballesteros, Conxita Àvila:** Description of a new species of *Reteporella* from the Weddell Sea (Antarctica).

**Helena Fortunato, Priska Schäfer:** Growth and calcification levels of *Flustra foliacea* (L.) (Bryozoa) under changing ocean pH.

**Andrei V. Grischenko, Daniela Henkel, Anton Kearsly, Joachim Scholz, Mary E. Spencer Jones:** *Celleporina porosissima* (Harmer): The surface of a bryozoan comes to life.

**Alexander Gruhl, Beth Okamura:** Muscular architecture of *Buddenbrockia plumatellae* and its significance for the phylogenetic position of Myxozoa.

**Masato Hirose, Matthew H. Dick:** Sand-living Bryozoa (Cheilostomata: Ascophora) from Japan.

**Karin Hoch Fehlaue-Ale, Leandro M. Vieira, Judith E. Winston:** Molecular and morphological characterization of species of *Amathia* Lamouroux, 1812 (Ctenostomata: Vesiculariidae) from Brazilian coast.

**Helen L. Jenkins, Roger N. Hughes, Beth Okamura, John D.D. Bishop:** Polyembryony, brood chamber development and sperm utilization in cyclostome bryozoans.

**Anton Kearsly, Andrei V. Grischenko, Mary E. Spencer Jones, Joachim Scholz:** *Celleporina irregulatum* (Okada): Encounter in the third dimension.

**M. Kobetić, Maja Novosef:** Fauna associated with the giant colonies of the bryozoan *Pentapora fascialis* in the Adriatic Sea.

**Anna V. Koromyslova:** The paleogeography of the oldest bryozoans.

**Grace Lim-Fong, Amanda Santoni:** Co-existence of two *Bugula neritina* haplotypes along the Eastern mid-Atlantic coast.

**Carlos M. López-Fé:** Distribution of cheilostome Bryozoa around Livingston Island (South Shetland Islands, Antarctica).

**Elena Nikulina and Hans de Blauwe:** Genetic study conforms the species status of *Electra verticillata* Ellis and Solander, 1768.

**Elena Nikulina, Priska Schäfer:** Testing the basal position of the recent electrids in the phylogenetic tree of cheilostome bryozoans.

**Elena Nikulina, Andrew N. Ostrowsky, Micel Claereboudt:** New species of the genus *Electra* (Bryozoa: Cheilostomata) from the Southern Oman.

**Aaron O’Dea, Felix Rodriguez, Brigida de Gracia, Yadixa del Valle, Jeremy B.C. Jackson:** Sex in the Caribbean: environmental change drove evolution in cupuladriid bryozoans.

**Joanne S. Porter, Abigail M. Smith, Hamish Spencer:** Phylogeography of the freshwater ctenostome bryozoan *Paludicella articulata*; New Zealand endemic or invader?

**Laís V. Ramalho, Flávia T. Santana:** Bryozoans from Abrolhos Archipelago, Bahia, Brazil.

**Priska Schäfer, Joachim Scholz:** Erhard Voigt’s (1959) Revision of the Maastrichtian bryozoan fauna originally described by F. V. Hagenow 1839 – 1850.

**Thomas Schwaha, Timothy S. Wood, Andreas Wanninger:** Larval morphology of the freshwater entoproct *Loxosomatoides sirindhornae* Wood, 2005.

**Consuelo Sendino, Paul D. Taylor:** Charls Lyell’s collections of fossil bryozoans from Gran Canaria.

**Abigail M. Smith, Paul D. Taylor, Rory Milne:** *Hornera striata* Milne Edwards, 1838, a British Pliocene cyclostome falsely recorded in New Zealand, with a preliminary revision of *Hornera* from the Coralline Crag.

**Javier Souto, Oscar Reverter-Gil, Eugenio Fernandez-Pulpeiro:** *Schizomavella grandiporosa* vs. *Schizomavella sarniensis*: two cryptic species.

**Facelúcia B.B. Souza, Leandro M. Vieira:** The first record of the family Hiantoporidae Gregory, 1893 (Bryozoa) in Atlantic waters.

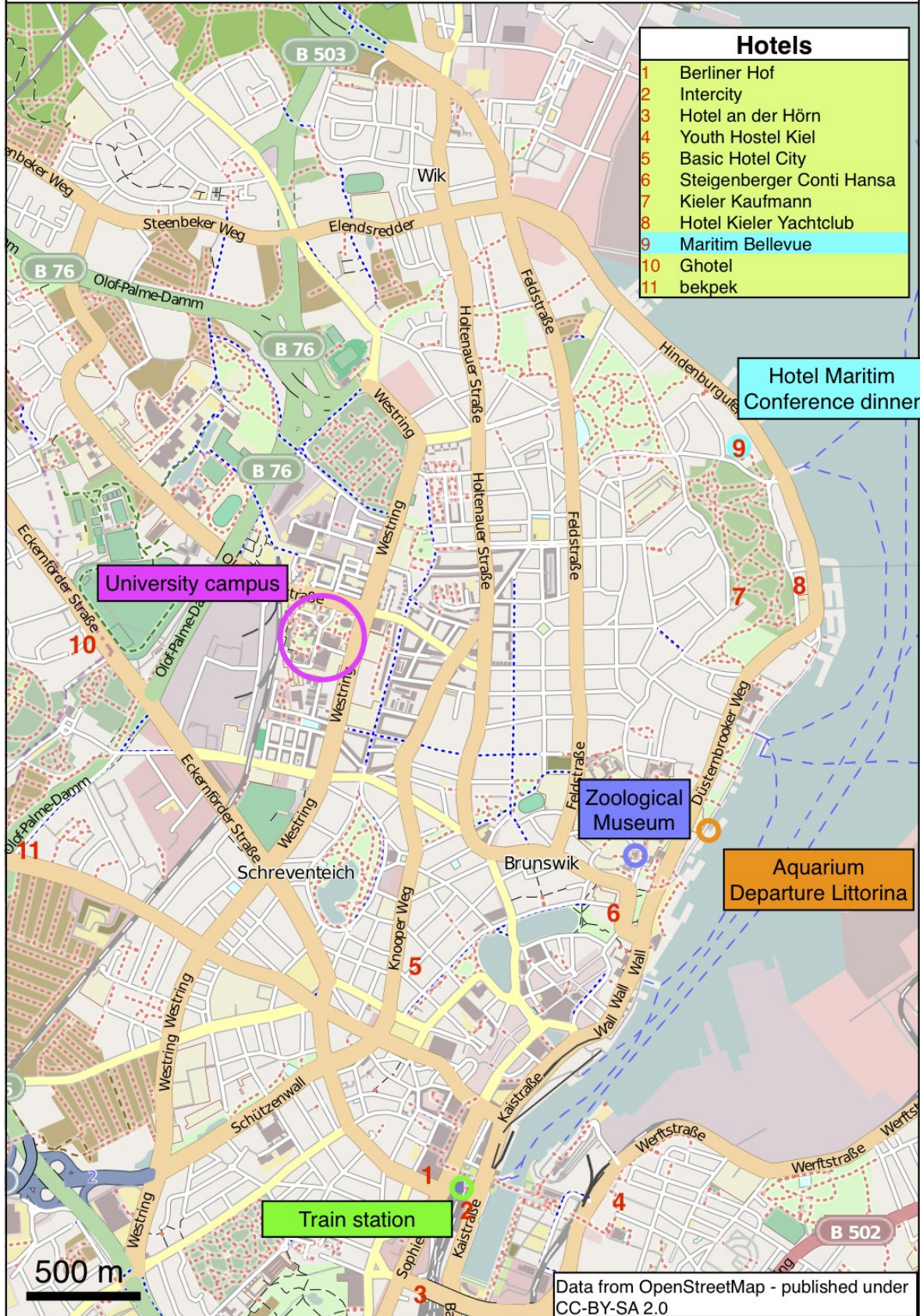
**Michael S. Toma, Ernest H. Gilmour:** A new Kungurian dyscritellid from the Kaibab Limestone of southern Nevada, U.S.A.

**Leandro M. Vieira, Alvaro E. Migotto, Judith E. Winston:** The genus *Scrupocellaria* van Beneden (Bryozoa) from Brazil: an evaluation of morphological characters and taxonomic implications.

**Emmy R. Wöss, Kamil Zágoršek:** First Plumatellid bryozoans from the island of Borneo (Kalimantan, Indonesia).

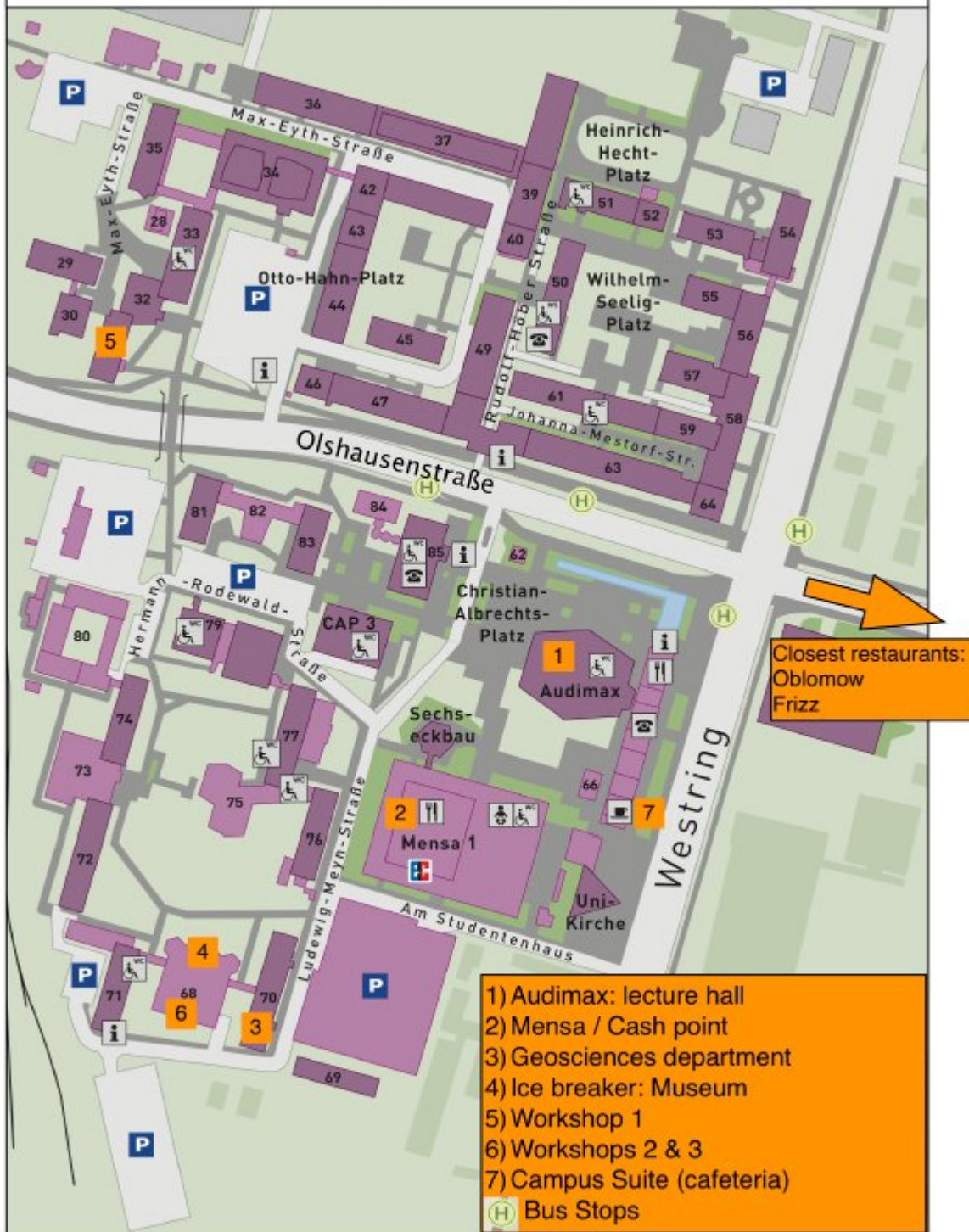
**Thamasak Yeemin, Wanlaya Klinthong, Chaipichit Saenghaisuk, Sittiporn Pengsakun, Kanwara Saengmanee, Watcharachai Donsomijt, Makamas Sutthacheep:** Recruitment of bryozoans on artificial substrates in a coral reef of Koh Phi Phi, the Andaman Sea.

# Kiel city map with conference venues





# University campus map



## News from the Membership

**Giampietro Braga.** There is in print a paper of "The updating Bibliography on Living and Fossil Bryozoa". I will bring copies to the Kiel Conference for the attending members. Best wishes.

**Andrew Ostrovsky.** After three months of the intense teaching in Russia, I will return to the University of Vienna since I managed to obtain a 3-years grant of the Austrian Science Foundation. The title of the project is "Evolution of matrotrophy and placental analogues in Bryozoa", and it will start from the 1st of July, 2010. What is the most important that this grant includes the PhD-studentship for Thomas Schwaha, who is well-known to the IBA-ers - participants of the last two Larwood meetings.

We made three application attempts, and I had already begun to think about another application, but, luckily, the third try was successful. Clearly, it would not have been possible without a little help from our friends, and we are deeply thankful to all who supported us in this way, checked and commented on various versions of the proposal, sent letters of cooperation, discussed current situation, etc, etc, etc.

The previous project, headed by Norbert Vavra and dealing with recent and fossil cheilostome taxonomy of the Indian Ocean and Parathetis correspondingly, was extended for one more year, helping us to support Julia Caceres. Julia has spent a lot of time identifying recent cheilostomes, and will present the results in Kiel.

One more thing is that my Russian monograph, *Evolution of the sexual reproduction in the bryozoan order Cheilostomata*, has been recently published in 300 copies by the Publishing House of the St Petersburg State University. It has 403 pages and includes 105 line drawings and photoplates (also with the sections of the different ovicell types). I will present this book during the conference. Next step is to translate it and publish in English. However, if someone wants to have the Russian copy, please contact me and I will try to take some copies to Kiel.

**Dra. Laís V. Ramalho** wishes to inform members of the IBA that her email address will be only [laiscanabarro@yahoo.com.br](mailto:laiscanabarro@yahoo.com.br). The other email ([laiscs@uol.com.br](mailto:laiscs@uol.com.br)) will be canceled in August.

## New Members

### **Anna Koromyslova.**

I work for the Borissiak Paleontological Institute of the Russian Academy of Science, Moscow. Since 2002 I have studied bryozoans from the Ordovician of the Leningrad Region, and I published four articles and abstracts on this theme. My work was led by R. V. Gorjunova and A. S. Alekseev (full professor of Moscow State Univ.). Now I am preparing to publish the monograph, “The bryozoans from the Latorp and Volkhov regional stages (Lower – Middle Ordovician) of the St-Petersburg Region.” Also, I am studying the bryozoans from the Miocene of the Taman peninsula at present under the guidance of Lena Viskova. Below is the list of my publications:

**Gorjunova R.V., Koromyslova A.V.** 2008. A new genus of the Arenigian bryozoans, *Lynnopora*, and its systematic position in the family Revalotrypidae Gorjunova, 1988 // Paleontological Journal 42(5): 491-499 [It is translation in English. Paleontologicheskii Zhurnal, 2008, No. 5, pp. 37-44].

**Koromyslova A.V., Fedorov P.V., Ershova V.B.** 2009. New records of bryozoans from the Lower Ordovician of the Leningrad Region and intercolonial variability in *Esthoniopora lessnikowae* (Modzalevskaya) // Paleontological Journal 43(2): 153-161. [It is translation in English. Paleontologicheskii Zhurnal No. 2, pp. 39-45].

**Koromyslova A.V.** 2004. Bryozoans of the genus *Diplotrypa* Nicholson, 1879 from the Middle Ordovician of the Leningrad Region // Paleontological Journal 38(6): 635-638 [It is translation in English. Paleontologicheskii Zhurnal, No. 6, pp. 47-49].

**Koromyslova A.V.** 2007. Morphogenesis, phylogenetic relationships, and distribution of the bryozoans of the genus *Orbipora* Eichwald, 1856 (order Trepostomida) // Paleontological Journal 41(2): 132-145 [It is translation in English. Paleontologicheskii Zhurnal, No. 2, pp. 19-30].

**Koromyslova A.V.** 2005. Middle Ordovician bryozoans (order Trepostomida) from the Volkhov and Kunda Stages of the Lynna River (Leningrad Region) // The Sixth Baltic Stratigraphical Conference. Abstracts. St. Petersburg, P. 56-58.

**Koromyslova A.V.** 2008. Bryozoan complexes from the Billingen and Volkhov horizons of the Leningrad region // International conference “Development of Early Paleozoic Biodiversity: Role of Biotic and Abiotic Factors, and Event Correlation”. M.: KMK Scientific Press. P. 50-53.

**Koromyslova A.V.** 2008. The bryozoans from the Latorp and Volkhov stages (Lower – Middle Ordovician) of the Leningrad Region. Ph.D. Thesis, Moscow State Univ., 24 p. [in Russian]

### **Dr Karin Hoch Fehlauer-Ale (CEBIMar-USP; Brazil)**

I am working on two parallel bryozoan projects, which preliminary results shall be presented in Kiel. The first is related to the identification of species of *Amathia* occurring in Brazilian waters (*A. brasiliensis*, *A. convoluta*, *A. distans* and *A. vidovici*), accessed by means of molecular and morphological data. Judy Winston and Leandro Vieira are cooperating with me, in what concerns the morphological descriptions and achievement of specimens in Brazilian and North American seas. The other project aims the investigation of the invasion patterns of one lineage of *Bugula neritina*, previously detected by other colleagues around the world. For this, I am looking for distinct molecular markers, rather than the popular 600 bp fragment of the mitochondrial gene *cox1*, that might provide me with additional information.

I already have sequence data for 1388 bp of *cox1*, as well as 500bp of the mitochondrial gene *16S*. Once again, Judy and Leandro kindly collected material from USA and Brazil for this work. Besides, in a couple of weeks I will visit Andrea Waeschenbach at the NHM of London, where we will try to obtain nuclear sequence data for *B. neritina*. I would appreciate very much if other colleagues could cooperate with this project, by sending to me tissues of *A. convoluta*, *A. distans*, *A. vidovici* and/or *B. neritina* from different localities. My email address is: [fehlauer.ale@gmail.com](mailto:fehlauer.ale@gmail.com). Best wishes!

**Noga Sokolover.**

I am a PhD student in the Zoology department at Tel-Aviv university, Israel under the supervision of Prof. Micha Ilan (sponge guy). My study focuses on the bryozoan biodiversity along the Israeli coast of the Mediterranean as the last works on Bryozoa in Israel dates back to the 70's of the last century. Since there is no Bryozoa expert in Israel, Dr. Paul Taylor was gracious enough to invite and host me at the NHM-London. During the two weeks visit I was lucky not only to learn about the taxonomy of these beautiful and diverse organisms but also to meet other bryozoologists mainly Andrea Waeschenbach, Chiara Lombardi and Mary Spencer Jones who showed me different aspects of Bryozoa research.

### ***Annals of Bryozoology 3: Call for Papers***

Patrick Wyse Jackson <[wysjcknp@tcd.ie](mailto:wysjcknp@tcd.ie)> and Mary Spencer Jones <[m.spencer-jones@nhm.ac.uk](mailto:m.spencer-jones@nhm.ac.uk)> are planning to publish the next *Annals of Bryozoology* volume by Christmas 2010. This will be distributed to all delegates that attended the Kiel meeting, and will also be available for purchase by other non-attending members.

We would be delighted to receive offers of papers on any aspect of the history of bryozoology such as biographical studies, oceanographic voyages, history of collections, studies in geographical regions, or histories of studies in particular countries. Please contact Patrick and Mary if you want to discuss the scope of any potential paper. There is no restriction on length or numbers of images.

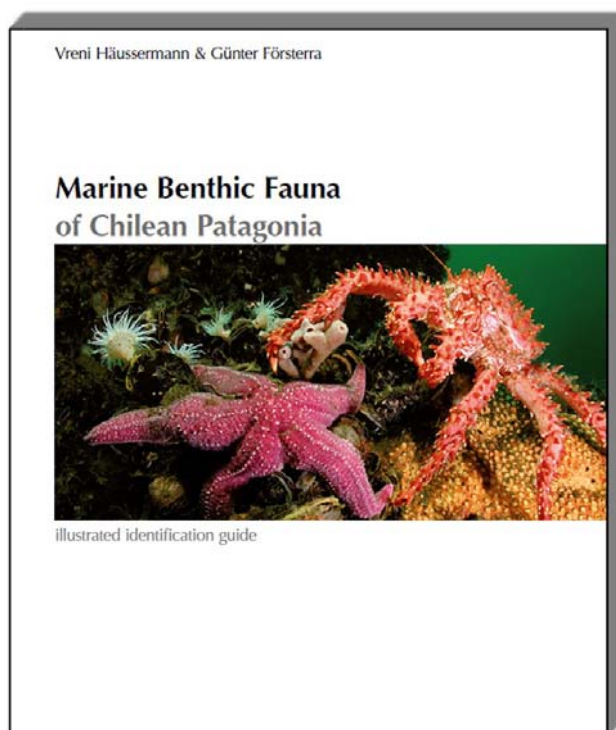
Manuscripts should be submitted electronically by 1 October (Text in MSWord (.doc not .docx)); photographs and half-tones in TIFF format at 300 dpi; black and white diagrams as BITMAPS at 300 dpi). Layout will be as in previous *Annals* volumes.

#### ***Annals of Bryozoology 1 and Annals of Bryozoology 2***

Copies of both of these volumes are still available. Please contact Patrick Wyse Jackson <[wysjcknp@tcd.ie](mailto:wysjcknp@tcd.ie)> if you are interested in obtaining copies.



## Bryozoan Bookstall



Häussermann, Vreni and Günter Försterra (eds.) 2009. *Marine Benthic Fauna of Chilean Patagonia*. Santiago, Nature in Focus. 1000 pp., ISBN 978-956-332-244-6.

This guide identifies, classifies, and describes more than 450 species of marine animals inhabiting the Chilean Fjord Region. The chapter on bryozoans was written by Hugo Moyano G. Introductory chapters include geography, oceanography, and ecology of the region as well as protocols for collecting and preserving marine animals. This is followed by chapters on major phyla: sponges, cnidarians, polyclads, nemerteans, sipunculids, echiurans, molluscs, polychaetes, arthropods, bryozoans, echinoderms, and chordates.

Here is additional information from a promotional leaflet:

### **A work that sets standards:**

- Based on material sampled during 10 years including 9 expeditions
- More than 450 selected species from 13 phyla and 29 classes
- 49 newly discovered species
- 1000 pages with more than 2000 images and illustrations (excellent underwater photos, aquaria photos, microscope images, detail and schematic drawings)
- Summarizing the available literature including primary literature of difficult access
- Elaborated by 49 taxonomic specialists of international reputation from 26 institutions in 14 countries

### **The taxonomic section contains:**

- Introduction to each taxonomic group with explanation of the relevant characteristics
- Detailed instructions for collection, preservation and examination of specimens
- State of the knowledge about each taxon for Chile including a complete species list
- Identification keys for 14 taxa
- Detailed but concise descriptions of the species; combining traditional characteristics for identification in the laboratory and additional characteristics to facilitate identification in the field
- Glossaries for each chapter
- Each chapter with bibliography of relevant literature

### **Background information:**

- Introductory chapters on geography, geology, oceanography, and fjord ecology

For price and order information please visit <http://www.patagoniamarina.info>  
Further questions about the book? Contact us at [PatagoniaMarina@yahoo.com](mailto:PatagoniaMarina@yahoo.com)

# Upcoming Meetings and Conferences

## **Bryozoa**

International Bryozoology Association  
2-6 August 2010, Kiel, Germany  
[www.ifg.uni-kiel.de/iba2010/](http://www.ifg.uni-kiel.de/iba2010/)

## **Paleontology**

American Geophysical Union  
2010 Fall Meeting  
13-17 December, 2010, San Francisco, CA.  
<http://www.agu.org/meetings/fm10/>

American Geophysical Union  
2010 Meetings of the America  
8-13 August, 2010, Iguassu Falls, Brazil  
<http://www.agu.org/meetings/ja10/>

The Palaeontological Association  
54th Annual Meeting 2010, Ghent  
17-20 December 2010, Ghent  
[http://www.palass.org/modules.php?name=annual\\_meeting&page=19](http://www.palass.org/modules.php?name=annual_meeting&page=19)

Tenth North American Paleontological Convention  
Summer, 2013, (Venue not yet announced)

Geological Society of America Annual Meeting  
31 October – 3 November 2010, Denver, Colorado USA  
<http://www.geosociety.org/meetings/2010/>

## **Biology**

Aquatic Invasive Species, 17<sup>th</sup> International Conference,  
29 August – 2 September 2010, San Diego, CA USA  
[http://www.icaais.org/pdf/1st\\_annc\\_17th.pdf](http://www.icaais.org/pdf/1st_annc_17th.pdf)

12<sup>th</sup> International Coral Reef Symposium  
June or July, 2012, Australia.  
<http://coral.aoml.noaa.gov/pipermail/coral-list/2009-May/038801.html>

Ecological Society of America  
1-6 August 2010, Pittsburgh, Pennsylvania

<http://www.esa.org/albuquerque/>

International Council for the Exploration of the Sea  
2010 Annual Science Conference  
20-24 September, Nantes, France  
<http://www.ices.dk/indexnofla.asp>

International Society of Limnology  
August, 2010, Capetown, South Africa  
<http://www.limnology.org/news/circular2008.pdf>

## Recent Publications

The following list includes works either published since the previous issue of the *IBA Bulletin* or else missed by previous issues. As always, members are encouraged to support future compilations by continuing to send complete citations to the IBA secretary at any time. Reprints will be gratefully received by the IBA archivist, Mary Spencer Jones.

- Casadío, S.; Nelson, P.; Taylor, P.; Griffin, M.; Gordon, D. 2010: [Nota paleontológica.] West Antarctic Rift System: a possible New Zealand–Patagonia Oligocene paleobiogeographical link. *Ameghiniana* **47**: 129–132.
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