



17th Annual Meeting  
Gesellschaft für Biologische  
Systematik (GfBS)

Taxa in Time and Space

21–24 February 2016

[www.lmu.de/gfbs2016](http://www.lmu.de/gfbs2016)



staatliche  
naturwissenschaftliche  
sammlungen bayerns



**Final Circular & Programme**

February 19<sup>th</sup>, 2016

This is the **final circular & programme** for the 17<sup>th</sup> Annual Meeting of the Gesellschaft für Biologische Systematik. It provides you with **important information** regarding the conference, which can also be found on our website [www.lmu.de/gfbs2016](http://www.lmu.de/gfbs2016).

## How to get to Munich

**Arriving by (inter)national rail services:** The Central Station is close to the conference venue (10 minutes walk) and close to the city center.

**Arriving by (inter)national coach services:** There is a Central Bus Station in Munich (ZOB) located at 'Hackerbrücke'. From there you can take all suburban trains into the city center in the general direction 'Ostbahnhof, Hauptbahnhof'.

**Arriving by plane:** Munich has an international airport ([MUC](http://www.munich-airport.de); [www.munich-airport.de](http://www.munich-airport.de)), which is located NE of the city. From there you can take an airport shuttle [bus](http://www.munich-airport.de/en/consumer/anab/bus/index.jsp) ([www.munich-airport.de/en/consumer/anab/bus/index.jsp](http://www.munich-airport.de/en/consumer/anab/bus/index.jsp)) or two suburban trains ([S-Bahn](http://www.munich-airport.de/en/consumer/anab/bahn/index.jsp); [www.munich-airport.de/en/consumer/anab/bahn/index.jsp](http://www.munich-airport.de/en/consumer/anab/bahn/index.jsp)) into town (about 50 minutes), line S1 or S8, which depart directly beneath Terminal 1 and will take you to the city center/Central Station (Hauptbahnhof).

## How to get to the Conference venue?

### Address

Paläontologisches Museum München  
Richard-Wagner-Str. 10  
D-80333 München

The location is close to the **Munich Central Station (Hauptbahnhof München)**; from there you can either use public transport (see below) or walk to the venue (~10-15 minutes).

### By public transport

- underground line **U2** (stop **Königsplatz**) or lines **U1, U7** (stop **Stiglmaierplatz**),
- bus line **100** (stop **Königsplatz**),
- tram lines **20, 21, 22** (stop **Stiglmaierplatz**)

For tickets, prices and timetables visit [MVG](http://www.mvg.de/en.html) ([www.mvg.de/en.html](http://www.mvg.de/en.html)).

### By car

It is not recommended to drive to the venue, as on-site parking is not available and public parking is limited and expensive. In case you cannot avoid driving in, the best chance to find parking spaces is on Luisenstrasse (see map below).



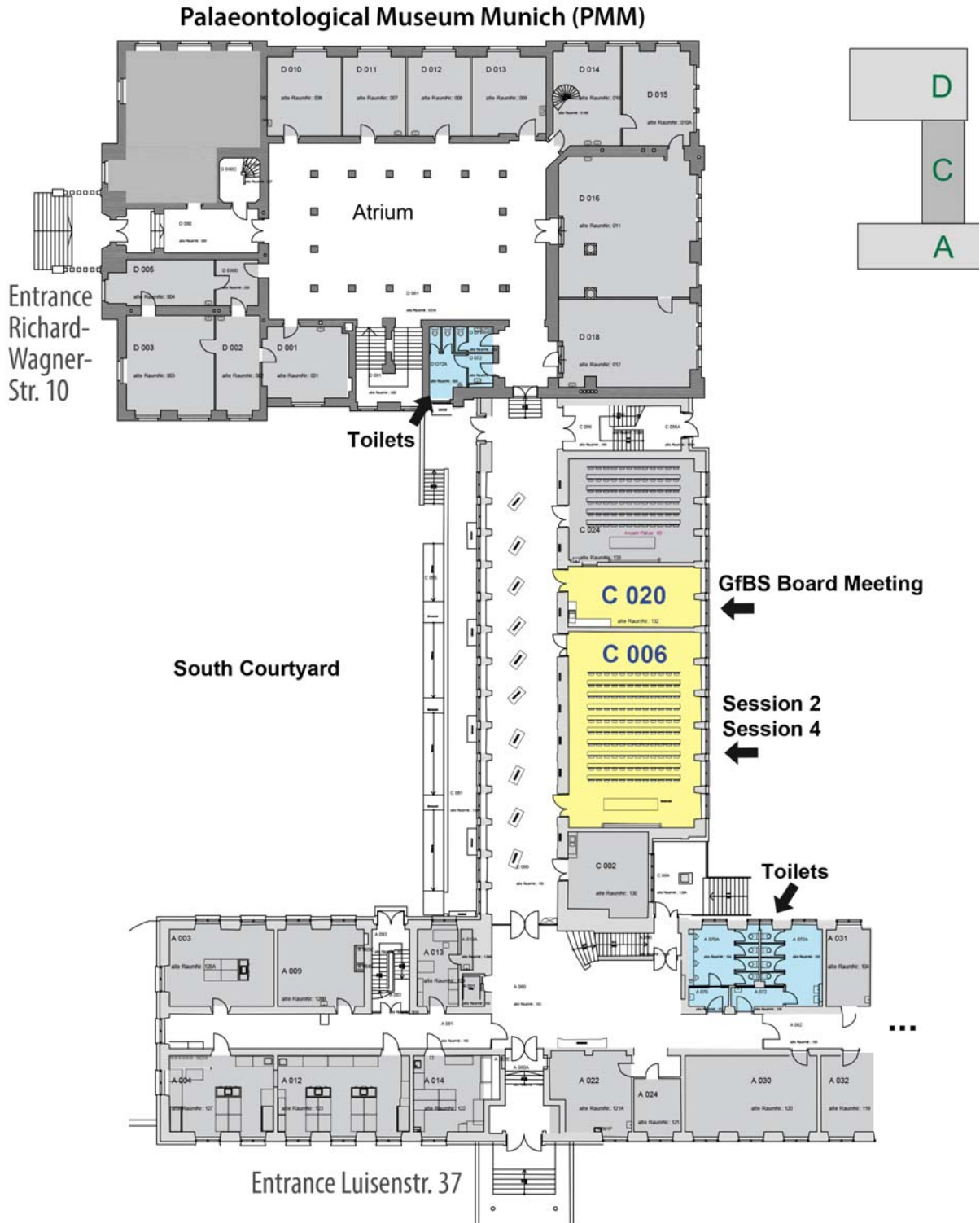
## Registration

The conference office will be open on **Sunday 21<sup>st</sup> February from 16:00–21:00**, where you can register (Richard-Wagner-Str. 10, 1st floor, room **D116**). During the conference, the office and registration desk will be open **every day from 08:30** and will be closing at times coordinated with the conference programme.

Upon registration, you will receive a conference folder containing the programme, a USB stick containing the Book of Abstracts, your name badge, pad and pen, and other useful information. **If you have outstanding registration fees to pay, please pay these in cash (only EUR can be accepted) at the registration desk.**

We kindly ask you to be prepared for uploading your presentation to the conference notebook at the conference office **preferably on Sunday 21<sup>st</sup> February** upon registration (however, not later than at the end of the day before your talk) to avoid any delays or technical hiccups.

# Floor plan ground floor



# Floor plan first floor



## Oral and Poster Contributions

### *Talks*

The TOTAL time allocated for each oral presentation is **15 min** including questions. **Please load your presentation well in advance either onto the computer in the conference office or onto the notebooks in the lecture halls, preferably on Sunday or during the breaks, so that potential technical issues can be sorted out before the sessions commence.**

Oral presentation are held in room **C006** on the ground floor (session 2 and 4), in room **C106** on the first floor (session 1 and 3), and in room **D114** on the first floor (session 5).

### *Technical Support*

MacBookPro with Adobe Acrobat Reader, Powerpoint 2011, iWorks, Impress.

### *Posters*

The maximum poster size is **A0 in portrait** setting. It is of course no problem if your poster slightly exceeds these limits, but we cannot display landscape posters. You can be put up from **Sunday 21<sup>st</sup> February 17:00**. Posters will be **displayed throughout the conference** in room **D118** on the first floor. Adhesive materials will be provided; poster boards will be labelled with numbers and a list including numbers, poster authors and titles will be provided. **There will be a dedicated poster session on Monday 22<sup>nd</sup> February relevant for the Student Poster Prize, and a second session on Tuesday 23<sup>rd</sup> February; we suggest that authors will be available at their posters during the poster sessions.**

The best **student poster prize** and the best **student presentation prize** will be organised and given by GfBS board members.

Abstracts of all keynote, oral, and poster presentations will be published in **Zitteliana 88**. For the conference, the Book of Abstracts will be available electronically only from the conference web page, but can be ordered as a hard copy on site. The [download](#) is available after 17th February.

## Keynote Speakers

The plenary keynotes are 40 minutes long including discussion and take place in room **C106** on the first floor.

[Katrine Worsaae](#): 'How small animals provide clues to large scale questions' – Monday 22<sup>nd</sup> February 09:30.

[Gustav Paulay](#) 'Diversification on coral reefs' – Monday 22<sup>nd</sup> February 10:10.

[Davide Pisani](#) 'Are ctenophores really the sister group of all the other animals?' – Tuesday 23<sup>rd</sup> February 09:10.

[Stacey D. Smith](#) 'Connecting genetic mechanisms to phylogenetic patterns: Studies of flower color evolution in Solanaceae' – Tuesday 23<sup>rd</sup> February 09.50.

The **GfBS Board Meeting** takes place on Sunday 21<sup>st</sup> February 16:00 in room **C020** on the ground floor.

The **Icebreaker** takes place on Sunday 21<sup>st</sup> February from 18:00 onwards in room **D105** on the first floor.

**Welcome Notes** will be held on Monday 22<sup>nd</sup> February 09:00 in **C106** on the first floor.

**Coffee Breaks** take place on Monday 22<sup>nd</sup> and Tuesday 23<sup>rd</sup> February in room **D105** on the first floor.

**Lunch Breaks:** you will be provided with a map of food opportunities in your conference package!

A **Group Picture** will be taken on Monday 22<sup>nd</sup> February 12:45 at the beginning of the lunch break in the Southern courtyard, so please do not run away after the sessions!

**'AG Kuratoren'** will meet on Monday 22<sup>nd</sup> February 15:30 in **D114** on the first floor.

The **GfBS Annual General Assembly** will be held on Monday 22<sup>nd</sup> February 18:45 in room **C106** on the first floor.

The **Bernhard-Rensch Award Ceremony** will be held during the Annual General Assembly on Monday 22<sup>nd</sup> February 18:45 in room **C106** on the first floor.

**'AG JuSys'** will meet on Tuesday 23<sup>rd</sup> February 17:15 in **C106** on the first floor.

The **Conference Dinner** will be held on Tuesday 23<sup>rd</sup> February from 19:00 onwards on the **first and ground floor** of the Palaeontological Museum. It will be buffet-style including vegetarian options.

## Conference Programme

You can access the scientific programme in detail including all abstracts on [ConfTool](#). Note that session chairs are tentative and need to be confirmed.

<b><a href="#">Date: Sunday, 21/Feb/2016</a></b>	
<b>16:00-19:00</b>	<b>Board: GfBS Board Meeting</b> Location: <b><a href="#">C020</a></b>
<b>16:30-17:30</b>	<b>GUI 1: Guided Tour Palaeontological Museum</b> Meeting Point: <i>Gomphotherium</i> , Atrium
<b>18:00-21:00</b>	<b>ICE: Icebreaker Party</b> Location: <b><a href="#">D105</a></b>

**Date: Monday, 22/Feb/2016**

9:00- 9:30	WEL: Welcome Notes: <u>Gert Wörheide</u> , <u>Ralf Ludwig</u> , <u>Uwe Fritz</u> , <u>Gerhard Haszprunar</u> Location: <u>C106</u>	
9:30-10:10	KEY1: Keynote Speaker <u>Katrine Worsaae</u> <b>How small animals provide clues to large scale questions</b> Location: <u>C106</u> Chair: <i>Gerhard Haszprunar</i>	
10:10-10:50	KEY2: Keynote Speaker <u>Gustav Paulay</u> <b>Diversification on coral reefs</b> Location: <u>C106</u> Chair: <i>Mike Reich</i>	
10:50-11:30	CB1: Coffee Break Location: <u>D105</u>	
11:30-11:45	S1A: Arthropods Chair: <i>Joachim T. Haug</i> Location: <u>C106</u>  <b>Current views on the early evolution of the insect head revisited</b> <u>Koch, Markus</u>	S2A: Mammals Chair: <i>Cathrin Pfaff</i> Location: <u>C006</u>  <b>Development of thermogenesis in pouch young of <i>Monodelphis domestica</i> (Didelphidae, Mammalia) and the evolution of endothermy in mammals</b> <u>Giere, Peter</u> ; <u>Jastroch, Martin</u> ; <u>Cheng, Yiming</u> ; <u>Perocchi, Fabiana</u> ; <u>Keipert, Susanne</u>
11:45-12:00	<b>Resolving a super-species complex in the past: 300 million years old “sword tails” as an example</b> <u>Haug, Carolin</u>	<b>Septum by septum to evolutionary history of glirids</b> <u>Weber, Denise</u> ; <u>Schubert, Anne</u> ; <u>Ruf, Irina</u> ; <u>Kriwet, Jürgen</u> ; <u>Pfaff, Cathrin</u>
12:00-12:15	<b>Phylogenetic relationships, divergence times and evolution of host plant use in the weevil tribe Apionini (Apioninae, Brentidae, Coleoptera)</b> <u>Winter, Sven</u> ; <u>Friedman, Ariel L.L.</u> ; <u>Gottsberger, Brigitte</u> ; <u>Astrin, Jonas J.</u> ; <u>Letsch, Harald</u>	<b>What is a deer and what is an antler?</b> <u>Rössner, Gertrud E.</u> ; <u>Costeur, Loïc</u> ; <u>Scheyer, Torsten M.</u>
12:15-12:30	<b><i>Podisma pedestris</i> (Acrididae) – one species becoming two?</b> <u>Becher, Hannes</u> ; <u>Nichols, Richard A.</u>	<b>Passing the buck in systematics – the case of the water deer (<i>Hydropotes inermis</i>)</b> <u>Schilling, Ann-Marie</u> ; <u>Rössner, Gertrud E.</u>
12:30-12:45	<b>DNA barcoding of orthopterans from Germany, Austria, and Switzerland</b> <u>Hawlitschek, Oliver</u> ; <u>Morinière, Jérôme</u> ; <u>Szucsich, Nikola</u> ; <u>Caetano-Wyler, Sofia</u> ; <u>Lehmann, Gerlind</u> ; <u>Lehmann, Arne</u> ; <u>Schmidt, Stefan</u> ; <u>Glaw, Frank</u> ; <u>Hausmann, Axel</u> ; <u>Haszprunar, Gerhard</u>	<b>New cervid cytochrome b sequences, new conundrums in cervid systematics</b> <u>Heckeberg, Nicola S.</u> ; <u>Erpenbeck, Dirk</u> ; <u>Wörheide, Gert</u> ; <u>Rössner, Gertrud E.</u>
12:45-14:15	GROUP PICTURE (10 mins) L1: Lunch Break	
14:15-14:30	S1B: Arthropods Chair: <i>Michael J. Raupach</i> Location: <u>C106</u>  <b>Cryptic lineages in DNA barcoding and how to assign them to classical morphology</b> <u>Spelda, Jörg</u>	S2B: Gastropods Chair: <i>Katharina M. Jörger</i> Location: <u>C006</u>  <b>Incipient hybrid speciation of door snails in previously glaciated areas in the Caucasus</b> <u>Koch, Eva L.</u> ; <u>Neiber, Marco T.</u> ; <u>Walther, Frank</u> ; <u>Hausdorf, Bernhard</u>
14:30-14:45	<b>Taxonomic study of <i>Oedothorax</i>, a hopeful dwarf spider genus for investigating the evolution of sexual dimorphic male head structures</b> <u>Lin, Shou-Wang</u> ; <u>Lopardo, Lara</u> ; <u>Uhl, Gabriele</u>	<b>Evolutionary organ pipes in full blast: Do snails dance to the Hutchinson tune?</b> <u>Krings, Wencke</u> ; <u>Glaubrecht, Matthias</u>



14:45-15:00	<p><b>Does the Mid Atlantic Ridge affect the distribution of benthic isopod crustaceans across the Atlantic Ocean?</b>  <u>Bober, Simon</u>; Riehl, Torben; Brix, Saskia; Heitland, Nele; Brandt, Angelika</p>	<p><b>Morphological adaptations to freshwater habitats in the circulatory and excretory systems of the limnic slug <i>Acochlidium</i> (Acochlidia, Panpulmonata, Gastropoda)</b>  <u>Neusser, Timea P.</u>; Biging, Anja; Schrödl, Michael; Jörgan, Katharina M.</p>
15:00-15:15	<p><b>A new phylogeny of copepod (Crustacean) orders based on 18S rDNA</b>  <u>Khodami, Sahar</u>; Martinez Arbizu, Pedro</p>	<p><b>A new superfamilial taxon of heterobranch snails, and implications for the euthyneuran gastropod tree of life</b>  <u>Brenzinger, Bastian</u>; Kano, Yasunori; Schrödl, Michael</p>
15:15-15:30	<p><b>Comparative Morphology of the Mouthparts of Lophogastrids</b>  <u>Laufer, Philipp Karl Erich</u>; Maas, Andreas; Mayer, Gerd; Waloßek, Dieter</p>	<p><b>The worms among the gastropods: phylogeny and evolution of Rhodopemorpha (Heterobranchia, Gastropoda)</b>  <u>Jörgan, Katharina M.</u>; Brenzinger, Bastian; Wilson, Nerida G.; Worsaae, Katrine; Schrödl, Michael</p>
15:30-16:00	<p>AG1: AG Kuratoren  Location: <a href="#">D114</a></p>	
15:30-16:15	<p>CB2: Coffee Break  Location: <a href="#">D105</a></p>	
16:15-16:30	<p>S1C: Marine Invertebrates  <i>Chair: Dirk Erpenbeck</i>  Location: <a href="#">C106</a></p> <p><b>Mobile genetic elements in sponge mitochondria: vertical transmission, independent colonization, and consequences for systematics</b>  <u>Schuster, Astrid</u>; Becking, Leontine E.; Lopez, Jose V.; Pomponi, Shirley A.; Kelly, Michelle; Lavrov, Dennis V.; Wörheide, Gert; Erpenbeck, Dirk; Cárdenas, Paco</p>	<p>S2C: Fish  <i>Chair: Martin Husemann</i>  Location: <a href="#">C006</a></p> <p><b>A digitalisation project on four major fish collections at the Bavarian Natural History Collections reveals differences in data patterns determined by historical, domain-specific and preservation-related parameters</b>  <u>Weibulat, Tanja</u>; Ebert, Martin; Kölbl-Ebert, Martina; Moser, Markus; Neubacher, Dieter; Neumann, Dirk; Obermaier, Henriette; Reichert, Wolfgang; Sanz, Veronica; Weiss, Markus; Triebel, Dagmar</p>
16:30-16:45	<p><b>A DNA-barcoding inventory of Red Sea calcareous sponges (Porifera, Calcarea)</b>  <u>Voigt, Oliver</u>; Erpenbeck, Dirk; Gonzalez Pech, Raúl; Al-Aidaros, Ali M.; Berumen, Michael L.; Guirguis, Adel Naguib; Paulay, Gustav; Wörheide, Gert</p>	<p><b>Habitat partitioning of two fish species from the Middle Triassic of the Monte San Giorgio (Canton Ticino, Switzerland)</b>  <u>López-Arbarello, Adriana</u>; Bürgin, Toni; Furrer, Heinz; Stockar, Rudolf</p>
16:45-17:00	<p><b>Morphology and phylogeny of Chaetognatha: evaluation of newly discovered and traditionally used characters</b>  <u>Müller, Carsten H.G.</u>; Perez, Yvan; Harzsch, Steffen</p>	<p><b>Hybridisation capture targeting exons across highly divergent fish species</b>  <u>Straube, Nicolas</u>; Li, Chenhong; Moritz, Timo</p>
17:00-17:15	<p><b>Xenacoelomorpha - from enigmatic turbellarians to kingpins of bilaterian origin</b>  <u>Haszprunar, Gerhard</u></p>	<p><b>Can the morphology of deep sea shark teeth reveal sex and species? (Chondrichthyes, Squaliformes)</b>  <u>Flammensbeck, Christina K.</u>; Pollerspöck, Jürgen; Straube, Nicolas</p>
17:15-18:45	<p>POS1: Poster Session Student Prize  Location: <a href="#">D118</a></p>	
18:45-22:00	<p>AGM: GfBS General Assembly  Location: <a href="#">C106</a></p>	

**Date: Tuesday, 23/Feb/2016**

9:00-9:10	WEL2: Announcements Location: <a href="#">C106</a>		
9:10-9:50	KEY3: Keynote Speaker <a href="#">Stacey D. Smith</a> <b>Connecting genetic mechanisms to phylogenetic patterns: Studies of flower color evolution in Solanaceae</b> Location: <a href="#">C106</a> Chair: <i>Fleischmann</i>		
9:50-10:30	KEY4: Keynote Speaker <a href="#">Davide Pisani</a> <b>Are ctenophores really the sister group of all other animals?</b> Location: <a href="#">C106</a> Chair: <i>Wörheide</i>		
10:30-11:15	CB3: Coffee Break Location: <a href="#">D105</a>		
11:15-11:30	S3A: Deep Time & Methods Chair: <i>Pisani</i> Location: <a href="#">C106</a>  <b>Bayesian divergence dating with phylogenomic data suggests an ancient rapid radiation of animals prior to Snowball Earth</b> <a href="#">Dohrmann, Martin</a> ; <i>Wörheide, Gert</i>	S4A: Reptiles Chair: <i>Fritz</i> Location: <a href="#">C006</a>  <b>New discoveries and the radiation and faunal replacements in tetanuran theropod dinosaurs during the Jurassic</b> <a href="#">Rauhut, Oliver W. M.</a>	S5A: Botany Chair: <i>Fleischmann</i> Location: <a href="#">D114</a>  <b>Diversification of big plant genera in space and time: insights from phylogeny, biogeography, morphology and karyotype evolution of the genus <i>Ranunculus</i></b> <i>Emadzadeh, Khatere</i> ; <i>Baltisberger, Matthias</i> ; <a href="#">Hörandl, Elvira</a>
11:30-11:45	<b>Exploring the paleobiology of Ediacara-type organisms in carbonate environments: The Shibantan Member (South China) and the Khatyspyt Formation (Arctic Siberia)</b> <a href="#">Duda, Jan-Peter</a> ; <i>Grazhdankin, Dmitriy</i> ; <i>Zhu, Maoyan</i> ; <i>Reitner, Joachim</i>	<b>The evolution and diversity of sauropods from the early Middle Jurassic Cañadón Asfálto Formation, Patagonia, Argentina</b> <a href="#">Holwerda, Femke M.</a> ; <i>Rauhut, Oliver W.M.</i> ; <i>Pol, Diego</i>	<b>Navelseeds in the New World</b> <i>Holstein, Norbert</i> ; <i>Chacón, Juliana</i> ; <i>Hilger, Hartmut H.</i> ; <i>Weigend, Maximilian</i>
11:45-12:00	<b>Paleobiology of a new giant protist-type vendobiont from the Ediacaran Shibantan Member (Southern China)</b> <a href="#">Reitner, Joachim</a> ; <i>Duda, Jan-Peter</i> ; <i>Zhu, Maoyan</i>	<b>“Using the brain” for phylogenetic and paleobiological inferences in early dinosaurs and sauropodomorphs</b> <a href="#">Bronzati, Mario</a> ; <i>Rauhut, Oliver W. M.</i>	<b><i>Senecio</i> L. (Asteraceae-Senecio-<i>neae</i>) and the colonization of the Palaearctic from southern Africa</b> <a href="#">Kandziora, Martha</a> ; <i>Kadereit, Joachim W.</i> ; <i>Gehrke, Berit</i>
12:00-12:15	<b>Exploring the third dimension of the early Cambrian Chengjiang arthropods</b> <a href="#">Liu, Yu</a> ; <i>Hou, Xianguang</i>	<b>Integrative taxonomy provides evidence for the species status of the Ibero-Maghrebian grass snake <i>Natrix astreptophora</i></b> <a href="#">Kindler, Carolin</a> ; <i>Pokrant, Felix</i> ; <i>Ivanov, Martin</i> ; <i>Cheyland, Marc</i> ; <i>Geniez, Philippe</i> ; <i>Böhme, Wolfgang</i> ; <i>Fritz, Uwe</i>	<b>Phylogeny and systematics of <i>Jurinea</i>, a large Eurasian genus of the Cardueae (Compositae)</b> <a href="#">Szukala, Aglaia</a> ; <i>Korotkova, Nadja</i> ; <i>Gabrielian, Eleonora</i> ; <i>Litvinskaya, Svetlana A.</i> ; <i>Borsch, Thomas</i> ; <i>von Raab-Straube, Eckhard</i>
12:15-12:30	<b>The inclusion of ontogenetic data of fossil and extant species increases the explanatory power of phylogenetic reconstructions</b> <a href="#">Haug, Joachim T.</a>	<b>The morphology of the trionychian respiratory apparatus and its phylogenetic implications</b> <a href="#">Lambertz, Markus</a> ; <i>Perry, Steven F.</i>	<b>Evaluating the origin of xerophytic leaf characters in SW Asian wild pears (<i>Pyrus</i>, Rosaceae)</b> <a href="#">Korotkova, Nadja</a> ; <i>Grünstäudl, Michael</i> ; <i>Khachatryan, Anahit</i> ; <i>Ghulikyan, Lusine</i> ; <i>Sargsyan, Harutyun</i> ; <i>Akopian, Janna</i> ; <i>Borsch, Thomas</i>
12:30-14:00	L2: Lunch Break		

14:00-14:15	<p>S3B: Marine Invertebrates Chair: <i>Worsaae</i> Location: <a href="#">C106</a></p> <p><b>The <i>Limacina helicina</i> (Phipps, 1774) complex: splitting one model organism into three</b> <u>Kohnert, Peter; Laibl, Christina Franziska; Schrödl, Michael</u></p>	<p>S4B: Reptiles/Gastropods Chair: <i>Rauhut/Neusser</i> Location: <a href="#">C006</a></p> <p><b>Conservation genetics of the Northern river terrapin (<i>Batagur baska</i>) breeding project</b> <u>Spitzweg, Cécilia; Praschag, Peter; DiRuzzo, Shannon; Fritz, Uwe</u></p>	<p>S5B: Botany Chair: <i>Smith</i> Location: <a href="#">D114</a></p> <p><b>LARGE (taxonomic) confusion in MICROscopic organisms – Examples for the need of reliable species determination for a robust taxonomy in dinophytes</b> <u>Kretschmann, Juliane; Elbrächter, Malte; Zinßmeister, Carmen; Gottschling, Marc</u></p>
14:15-14:30	<p><b>The potential role of sexual selection for deep-sea diversity</b> <u>Riehl, Torben; Heitland, Nele; Brandt, Angelika</u></p>	<p><b>Integrative taxonomy of Southeast Asian snail-eating turtles (Geomydidae: Malayemys) reveals a new species and mitochondrial introgression</b> <u>Ihlow, Flora; Vamberger, Melita; Flecks, Morris; Hartmann, Timo; Cota, Michael; Makchai, Sunchai; Meewattana, Pratheep; Dawson, Jeffrey E.; Kheng, Long; Rödder, Dennis; Fritz, Uwe</u></p>	<p><b>Could tiny dinos take over big waters of the world? – spatial distributions of unicellular dinophytes</b> <u>Žerdoner Čalasan, Anže; Filipowicz, Natalia H.; Owsiany, Paweł M.; Kretschmann, Juliane; Irimia, Ramona-Elena; Gottschling, Marc</u></p>
14:30-14:45	<p><b>Phylogenetic, bathymetric and onshore-offshore gradients in NE Atlantic cheilostome Bryozoa</b> <u>Berning, Björn</u></p>	<p><b>Monitoring of opisthobranch biodiversity in Indonesia – and its applied aspect</b> <u>Waegele, Heike; Schillo, Dorothee; König, Gabriele M.; Kaligis, Fontje; Bara, Robert A.; Böhringer, Nils; Schäberle, Till F.</u></p>	<p><b>Phylogenetic position, metabolic profile, and antibacterial extracts of the Antarctic lichen <i>Himantormia lugubris</i></b> <u>Beck, Andreas; Kuhn, Veronika; Eisenreich, Wolfgang; Divakar, Pradeep K.; Cabrera Rojas, Cinthya; Cuellar, Mauricio; Quilhot, Wanda; Bechteler, Julia; Gonzalez Rocha...</u></p>
14:45-15:00	<p><b>How do adult brachiopods sense light?</b> <u>Furchheim, Nina; Lüter, Carsten</u></p>	<p><b>Chloroplast activity and degradation in solar-powered Sea slugs</b> <u>Laetz, Elise Marie; Rühr, Peter; Preisfeld, Gela; Bartolomaeus, Thomas; Wägele, Heike</u></p>	<p><b>How to organise, process and archive collection and occurrence data using GFBio services provided by Germany's major natural history and culture collection data repositories</b> <u>Triebel, Dagmar; Grobe, Peter; Güntsch, Anton; Hagedorn, Gregor; Holstein, Joachim; Söhngen, Carola; Weiland, Claus; Weibulat, Tanja</u></p>
15:00-15:15	<p><b>From bycatch to main dish! Spines of irregular echinoids as monitors for diversity trends in the deep sea during Cenozoic critical intervals. A pilot study.</b> <u>Wiese, Frank; Nils, Schlüter; Mike, Reich; Jens, Herrle</u></p>	<p><b>Kleptoplasts – starch storage factories in solar-powered sacoglossan sea slugs?</b> <u>Moris, Victoria; Laetz, Elise; Wägele, Heike</u></p>	
15:15-16:00	<p>CB4: Coffee Break Location: <a href="#">D105</a></p>		

16:00-16:15	<b>S3C: Marine Invertebrates</b> <i>Chair: Paulay</i> Location: <a href="#">C106</a>  <b>Evolutionary and functional implications of gastric caecum diversity among irregular sea urchins (Echinoidea: Irregularia)</b> <b>Ziegler, Alexander; Kroh, Andreas; Anderson, Owen F.; Miskelly, Ashley; Keesing, John K.; Mooi, Rich</b>	<b>S4C: Gastropods</b> <i>Chair: Schrödl</i> Location: <a href="#">C006</a>  <b>Snails in space: Diversity and distribution patterns underlined by intertidal planaxid gastropods</b> <b>Wiggering, Benedikt; Glaubrecht, Matthias</b>	
16:15-16:30	<b>Hook-bearing sea cucumbers (Apodida, Echinodermata) - the need for modern and detailed investigations</b> <b>Stegemann, Tanja Rita; O'Loughlin, P. Mark; Reich, Mike</b>	<b>Early evolution of the gastropod superfamily Cerithioidea and the systematic significance of the shell slit</b> <b>Nützel, Alexander</b>	
16:30-16:45	<b>The neural tube of chordates and the tubular collar cord of enteropneusts: homology or homoplasy?</b> <b>Kaul-Strehlow, Sabrina</b>	<b>Integrative taxonomy and niche partitioning of sympatric "Gibbula" species (Trochidae, Vetigastropoda)</b> <b>Steiner, Gerhard; Affenzeller, Susanne; Haar, Nicole</b>	
16:45-17:15	<b>CON: Awards and Conclusion</b> Location: <a href="#">C106</a>		
17:15-19:00	<b>AG2: AG JuSys</b> Location: <a href="#">C106</a>	<b>POS2: Poster Session</b> Location: <a href="#">D118</a>	
19:00-22:00	<b>DIN: Conference Dinner</b> Location: <b>Palaeontological Museum (First &amp; Ground Floor)</b>		

## List of Posters

➔ on a separate paper sheet

## Workshops

### ***Guided Tour Leibniz Supercomputing Centre (LRZ) with demonstration of the Virtual Reality Laboratory.***

The Leibniz Supercomputing Centre (LRZ) is the main provider of IT and communication-infrastructure for Munich's universities, and the main computational facility for Munich's research centers. The LRZ hosts the 'Super MUC', one of the world's fastest computers, and hardware for virtualizations. Its 'Center for Virtual Reality and Visualisation' facilitates scientific high-quality visualizations and presentations of virtual 3D worlds.

- Start: 14.30 h
- Meeting point: LRZ Main Entrance.
- Duration: ca. 2 hrs.
- Contact person: Rainer Oesmann
- Maximum number of participants: 15

### ***Diversity Bench Workshop***

The workshop addresses researchers who intend to organise, manage and preserve their own biological raw data. They will come in contact with GFBio teams at three of the GFBio collection data centers, learn more about the Diversity Workbench (DWB) and related GFBio services.

- Start: 9.00 h
- Meeting point: Menzinger Str. 67, first floor, room number 1392]
- Duration: until ca. 16.00 h
- Contact person: Dr. D. Triebel, T. Weibulat
- Maximum number of participants: 15
- [further information](#)

### ***Workshop on statistic methods in phylogeny with 'R'***

This R workshop will cover the basics of R usage and the R programming language, as well as programming, application of statistical approaches and the development of user adapted scripts. From 10.00-12.00 a basic introduction to R is planned. Those who are already familiar with R can join in the afternoon at 13.00.

- Start: 10.00 h
- Location: Botanical Institute Menzinger Str. 67, Munich
- Duration: until ca. 18.00 h
- Contact person: Dr. Natalie Cusimano
- Maximum number of participants: 20
- Participants must provide own computer with [R](#) and [RStudio](#)
- Please contact Dr. Cusimano ([cusimano@bio.lmu.de](mailto:cusimano@bio.lmu.de)) indicating your purpose to use R and previous knowledge.

### ***Workshop on the Nagoya Protocol on Access and Benefit-sharing (ABS)***

The CETAF Legislation and Regulations Group has just released a 74-pages Code of Conduct & Best Practices for Access & Benefit-Sharing.

- Start: 10.00 h
- Location: Lecture Hall **C006**
- Duration: until the afternoon
- Contact person: Dr. Peter Giere, Dirk Neumann
- [further information](#)

## **Guided Tours**

### **Sunday, 21 February 2016**

#### ***Guided tour Paleontological Museum Munich (PMM)***

An icon of evolution: the 'Urvogel' *Archaeopteryx*: The historical importance of *Archaeopteryx* and recent advances in our understanding of this iconic fossil.

- Start: 16.30 h
- Meeting point: *Gomphotherium* (Atrium, PMM)
- Duration: ca. 1 hr
- Contact person: Prof. Dr. Oliver Rauhut

Maximum number of participants: 40

### **Wednesday, 24 February 2016**

#### ***Guided tour Zoological State Collection Munich (ZSM)***

- Start: 9.30 h
- Meeting point: ZSM Lobby
- Duration: ca. 2 hrs.
- Contact person: Prof. Dr. Gerhard Haszprunar

#### ***Guided tour Botanical State Collection Munich (BSM)***

- Start: 10.00 h and 14.00 h
- Meeting point: Botanical Institute, Menzinger Str. 67, Munich
- Duration: ca. 2 hrs.
- Contact person: Dr. Andreas Fleischmann
- Please register with Dr. Fleischmann ([fleischmann@bsm.mwn.de](mailto:fleischmann@bsm.mwn.de)) in advance.

#### ***Guided tour Paleontological Museum Munich (PMM)***

A journey through vertebrate evolution with a focus on mammals

- Start: 14.00 h
- Meeting point: *Gomphotherium* (Atrium, PMM)
- Duration: ca. 1.5 hrs.
- Contact person: PD Dr. Gertrud Rößner
- Maximum number of participants: 40

## Contact

### **Conference venue**

Department für Geo- und  
Umweltwissenschaften,  
Paläontologie & Geobiologie  
GeoBio-Center<sup>LMU</sup>  
Ludwig-Maximilians-Universität München  
Richard-Wagner-Str. 10  
80333 München  
Germany  
Tel.: +49 (0)89 2180 6602  
Fax: +49 (0)89 2180 6601  
E-Mail: gfb2016@lrz.uni-muenchen.de

### **Emergency phone numbers:**

Medical emergency: 19 222  
Police: 110  
Fire brigade: 112

### **Munich Tourist Information:**

For tourist information please visit  
the Munich tourist office.

### **Taxi Company: +49 89 19 410**

## **Local Organising committee (in alphabetical order)**

Monika Brinkrolf (LMU)  
Nicole Enghuber (LMU)  
PD Dr. Dirk Erpenbeck (LMU)  
Jonathan Guzmán (BSPG)  
Nicola Heckeberg (LMU, BSPG)  
Thomas Huber (LMU)  
René Neumaier (LMU)

Britta Nüske-Illenberger (LMU)  
Marlena Olbrys (LMU, BSPG)  
PD Dr. Mike Reich (BSPG)  
Ann-Marie Schilling (LMU, BSPG)  
Ella Schönhofer (BSPG)  
Philipp Wagner (LMU)

## **Scientific committee**

Prof. Dr. Gerhard Haszprunar (LMU, SNSB, ZSM, GeoBio-Center<sup>LMU</sup>)  
Prof. Dr. Gert Wörheide (LMU, BSPG, GeoBio-Center<sup>LMU</sup>)  
PD Dr. Dirk Erpenbeck (LMU, GeoBio-Center<sup>LMU</sup>)  
Dr. Andreas Fleischmann (BSM, GeoBio-Center<sup>LMU</sup>)  
Dr. Katharina Jörger (LMU)  
PD Dr. Mike Reich (BSPG, LMU, GeoBio-Center<sup>LMU</sup>)

## **Welcome!**

On behalf of the organizing committees,

Prof. Dr. Gert Wörheide  
(Spokesman GeoBio-Center<sup>LMU</sup>)  
Prof. Dr. Gerhard Haszprunar  
(Director General SNSB)

