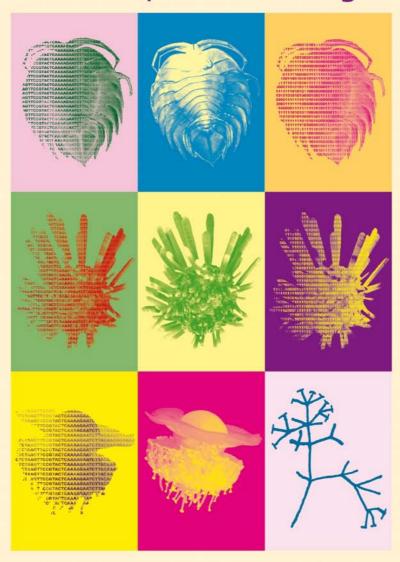


Deep Metazoan Phylogeny 2011 New data, new challenges



Munich 11-14 October 2011

SPP 1174 "Deep Metazoan Phylogeny" www.palmuc.de/dmp2011











This is the second circular for the Deep Metazoan Phylogeny Conference 2011. It provides you with all practical facts, which can also be found on our website http://www.palmuc.de/dmp2011, additional information and important updates.

Registration

Registration on Tuesday 11th October will take place in the Palaeontological Museum (Richard-Wagner-Str 10, room 109, 1st floor). During the other days, the registration desk will be open from 8.00 to 18.00 h. You will receive a conference bag containing the programme for the conference, the book of abstracts, useful information about Munich, and your ticket(s) for the dinner on Friday (if applicable). If you have outstanding registration costs to pay, please pay these in cash (only EUR can be accepted) at the registration desk. A signed receipt will be provided in the conference bag.

Change of the conference venue – IMPORTANT!

The conference venue has been CHANGED! It will take place at the Palaeontological Museum Munich, Richard-Wagner-Str 10, 80333 Munich, which is not far from the original venue, and close to the Central Station (see map below). The building of the Museum dates from 1902, it was styled by Leonhard Romeis and has romantic plastering ornaments, an atrium and an enchanting inner and outer architecture (http://www.palmuc.de/bspg/). It provides a perfect setting for the conference.





Summary of programme

October 11: Arrival/Registration

18:00 - 21:00 h Icebreaker Party (room 102, 1st floor)

October 12: 8.30 h Opening Ceremony, Welcome Addresses (lecture theatre 230,1st floor)

<u>9.00 h</u> Symposium 1: Innovations in analyses of molecular and morphological data (lecture theatre 230, 1st floor)

17.30 – 20 h Poster Session (room 110, 1st floor)

October 13: 9.00 h Symposium 2: Molecular phylogeny: new markers and phylogenomic analyses (lecture theatre 230, 1st floor)

17.30 h Poster Session (room 110, 1st floor)

19.00 h Evening Lecture (lecture theatre 230, 1st floor)

October 14: 9.00 h Symposium 3: The evidence found in morphology (lecture theatre 230, 1st floor)

<u>18.00 – 18.30 h</u> Concluding Remarks and Poster Award (lecture theatre 230, 1st floor)

19.00 h Conference Dinner (Augustinerkeller)

Icebreaker Party

The Icebreaker Party will be on Tuesday 11th October at 18.00 h in the Palaeontological Museum, Richard-Wagner-Str. 10 (room 102, 1st floor; the 2nd floor with a special exhibition will be open as well).

Conference Dinner

The Conference Dinner will take place at the Augustiner Keller on the 14th October, commencing at 19.00 h. Note that this is a ticketed event. (www.augustinerkeller.de)







Oral and Poster Contributions

Talks:

The TOTAL time allocated for each oral presentation is 15 min including questions. Please load your presentation onto computers well in advance, at the latest during the coffee/lunch break before your session, so that potential technical issues can be sorted out before the sessions commence.

Mac (OSX 10.6 Snow Leopard; Keynote `09, Powerpoint 2008) and PC (Powerpoint 2003) will be supported. However, PDF is the preferred format for presentations.

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. Posters can be set up from Tuesday 18.00 h and will be displayed throughout the conference in room 110. Adhesive materials or rails will be provided; poster boards will be labelled. There will be dedicated poster sessions on Wednesday 12th October 17.30 – 20.00 h and on Thursday, 13th October 17.30 – 19.00 h; we suggest that authors will be available at their posters during poster sessions.

Travel to Munich

Arriving by airplane: Munich has an international airport (MUC), which is located NE of the city. From there you can take two suburban trains (S-Bahn) into town, line S1 or S8, which depart directly beneath Terminal 1. Exit at station "Hauptbahnhof" (Central Station); then you can either take the subway (U-Bahn) line U2 direction "Feldmoching" to "Königsplatz" or you can walk to the venue (~10-15 minutes). You can also use the line U1 direction "Olympia-Einkaufszentrum" to "Stiglmaierplatz", and walk a few minutes more (see map below).

Arriving by international rail services: The venue is close to the main Central Station (10-15 minutes walk), north of the city center. Instead of walking, you can take the subway (U-Bahn) line U2 direction "Feldmoching" from the Central Station (Hauptbahnhof) to Königsplatz or the line U1 direction "Olympia Einkaufszentrum" to "Stiglmaierplatz" (see map below).

By car: It is not recommended to drive to the venue, as parking spaces are very scarce and expensive. However, if you have to drive to the venue, the best chance to find parking spaces will be on Luisenstrasse (see map below).

Public transport: The venue is close to the metro stations "Königsplatz" line U2 and "Stiglmaierplatz" line U1 (see map below).



Accommodation

Participants must make their own arrangements for accommodation. Early booking is highly recommended, as Munich is a very busy city. Rooms can be booked using the links on the Deep Metazoan Phylogeny website.

Germany and Munich

Emergency phone numbers:

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

Munich Tourist Information:

For tourist information please contact the Munich Tourist Office.

http://www.muenchen.de/

Taxi company: +49 89 / 19 410

Contact

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Local Organising Committee: Nicola Heckeberg, Tetyana Nosenko, Oliver Voigt, Gert Wörheide.

Scientific Committee: Thorsten Burmester (Hamburg), Thomas Stach (Berlin), Wolfgang Waegele (Bonn), Gert Wörheide (München).

Acknowledgements

We would like to express our appreciation to the following, who provided generous support for the conference:











We look forward to welcoming you in Munich!



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DMP 2011 – preliminary final Programme

October 11: Arrival, Registration, Icebreaker 18:00 to 21:00

October 12: Symposium1; Poster Session; Registration from 8:00h

October 13: Symposium 2; Evening Lecture

October 14: Symposium 3; Concluding Remarks & Poster Award, Conference Dinner

Venues: Palaeontological Museum, Richard-Wagner-Str. 10, 80333 München

Conference Dinner: Augustinerkeller, Arnulfstr. 52, 80335 München

(www.palmuc.de; www.augustinerkeller.de)

Symposium 1: Innovations in analyses of molecular and morphological data Coordination: Waegele				
Wednesday, October 12				
Starting 8:00 registration				
	Speaker	Theme		
8.30-9.00		Opening Ceremony Welcome addresses		
9.00-9.30	Misof, B.	Introduction		
9.30-10.00	Anisimova, M.	Fast and accurate evaluation of phylogenetic clade support		
10.00-10.30	Stamatakis, A.	Fishing in the dark: Trying to identify rogue taxa		
10.30-11.00		Coffee break		
11.00-11.15	de Oliveira Martins & Posada	Inference of species tree distribution using a probabilistic reconciliation cost		
11.15-11.30	Nguyen et al., <u>von</u> <u>Haeseler, A.</u>	MISFITS: Evaluating the goodness of fit between a phylogenetic model and an alignment		
11.30-11.45	Rota Stabelli et al.	Parallel codon usage and compositional bias in deep phylogenomic		
11.45-12.00	Conrad et al., Poustka, A. J	Runtime optimation of complex mixture models of phylobayes for large scale phylogenetic tree reconstruction using GPU's.		
12.00-13.30		Lunch		
13.30-14.00	Boussau et al.	Integrative models of genome evolution		
14.00-14.30	Kück et al.	Detection of bias in simulated and real data		
14.30-14.45	Wilkinson & Day	Testing hard polytomies with partial splits		
14.45-15.00	Groussin et al.	The COaLA Model: a Time Non-Homogeneous Model of Evolution Based on a Correspondance Analysis		
15.00-15:15	Klopfstein et al.	How deep is the hymenopteran tree? A total-evidence approach to dating with fossils		
15.15-15.30	Bernt & Middendorf	Rearrangement Analysis for Large Sets of Gene Orders: Towards Reconstructing the Evolution of Metazoan Gene Orders		
15.30-16.00		Coffe break		
16.00-16.30	Stadler, P.	Molecular morphology: higher order characters derived from sequence data		
16.30-16.45	Vogt & Grobe,	Using the matrix module of Morph•D•Base for collaboratively editing character matrices live and online		
16.45-17.00	Böhmer et al.	Hox code and vertebral morphology in archosaurs		
17.00-17.15	Greenwood et al.	Mapping metazoan morphospace		
17:30-20:00		Poster session with Bavarian beer		

Symposium 2: Molecular phylogeny: new markers and phylogenomic analyses Coordination: Wörheide & Burmester Thursday, October 13

	Cnookor	Title
0.00.0.00	Speaker	
9.00-9.30	Wörheide, G.	Introduction: the status quo of higher-level metazoan phylogeny based on phylogenomic analyses
9.30-10.00	Philippe, H.	Resolving difficult phylogenetic questions: why adding
		more sequences is not enough
10.00-10.30	Lavrov, D.	Mitochondrial genomic diversity in non-bilaterian
10.00 10.00	241101, 2.	animals: implications for phylogeny and evolution
10.30-11.00		Coffee break
11.00-11.15	Schierwater et al.	Can we resolve the base of the Metazoa: If yes, why not?
11.15-11.30	Ryan et al.	The genome of the ctenophore <i>Mnemiopsis leidyi</i> and
		its impact on our understanding of animal history
11.30-11.45	Nosenko et al.	Early metazoan phylogeny: identifying obstacles and solutions
11.45-12.00	Huchon et al.	Illuminating the phylogenetic position of Myxozoa using
		next-generation sequencing
12.00 -13.30		Lunch
13.30-14.00	Peterson, K.	MicroRNAs and the Evolution of Metazoan Complexity
14.00-14.30	Hausdorf, B.	Phylogenomic relationships between lophotrochozoan
		phyla – phylogenetic signal versus systematic errors.
14.30-14.45	Merkel et al.	A morpho-molecular approach to assess phylogeny –
		first developmental data of Entoprocta
14.45-15.00	Wey et al.	About wheels, thorns and trees – The phylogeny of
		Syndermata in the light of EST data
15.00-15:15	Lieb, B.	What do DNA, RNA and proteins tell us about
		molluscan phylogeny?
15.15-15.30	Helm et al.	On the phylogenetic position of Myzostomida –
		integrating molecules and morphology
15.30-16.00		Coffee break
16.00-16.30	von Reumont, B.	Discovering the evolution of arthropods: prospects and
		pitfalls of molecular methods including phylogenomic
		data
16.30-16.45	Burmester et al.	A phylogenomic approach to arthropod relationships
		and divergence times
16.45-17.00	Simon & Hadrys	Pterygote phylogenomics: The evolutionary history of
		genes and their impact on the topology
17.00-17.15	Meusemann et al.	Phylogeny of primary wingless hexapods: chances,
	1	challenges and pitfalls of "phylogenomic" approaches
17.15-17.30	Pisani et al.	MicroRNA and phylogenomics congruently resolve the
		phylogenetic relationships of the Tardigrada within
47.00.10.00		Ecdysozoa
17.30-19.00	DI II D	Poster session with Bavarian beer
19.00-19.45	Phil Donoghue	Evening lecture: Reconciling fossils, molecules and
		morphology in deep metazoan phylogeny

Symposium 3: The evidence found in morphology				
Coordination: Stach				
Friday, Octob		Title		
0.00.0.20	Speaker Richter, St.			
9.00-9.30 9.30-9.45	Nickel et al.	The role of morphology in evolutionary research Evolution of body contractility in early branching		
9.50-9.45	inickei et al.	Metazoa – what morphology of Porifera and Placo-		
		zoa tells us		
9.45-10.00	Gruhl et al.	Minicollagen expression supports homology of		
0.10 10.00	Statil Stail	myxozoan and cnidarian organelles		
10.00-10.30	Loesel, R.	Reviewing neurophylogeny – advances since the		
		turn of the millennium		
10.30-11.00		Coffee break		
11.00-11.15	Hejnol, A.	Reconstructing the ground pattern of the Acoelo-		
		morpha – molecular patterning of the blind gut,		
		nervous system and other features		
11.15-11.30	Rieger et al.	Development of the nervous system in hatchlings of		
44.00.44.45		Spadella cephaloptera (Chaetognatha)		
11.30-11.45	Purschke, G.	Unpigmented ciliary photoreceptor cells and organs		
		in Annelida – diversity and importance for in-group		
11.45-12.00	Ullrich-Lüter et al.	phylogenetic relationships Function and evolution of echinoid photoreceptors		
12.00 -13.30	Olliton-Luter et al.	Lunch		
	1			
13.30-14.00	Lowe, C.	Uncoupling morphological and molecular evolution:		
		deep deuterostome origins of the vertebrate head		
14.00-14.30	Stach, T.	developmental program Phylogenetic patterns from morphogenetic pro-		
14.00-14.50	Otacii, T.	cesses		
14.30-14.45	Fritsch & Richter	From a clam shrimp to a water flea: evolutionary		
	11110011	insights from developmental sequences in the nerv-		
		ous system of branchiopod larvae (Crustacea)		
14.45-15.00	Maas et al.	Deep crustacean phylogeny		
15.00-15.15	Pennerstorfer &	Early cleavage in Phoronida shows spiral features		
	Scholtz			
15.15-15.30	Ruthensteiner et al.	Highly variable patterns in development of meta-		
		nephridial and coelomic system in molluscs		
15.30-16.00		Coffee break		
16.00-16.30	Laubichler, M.	Reconstructing ancestors: the lessons from develop-		
40.00.40.45	IZ a ala a ta a l	mental evolution		
16.30-16.45	Koch et al.	Morphogenesis and homology of coeloms and ne-		
16.45-17.00	Kaller et al.,	phridia in annelids and arthropods The "division of labour model" for cell type speciali-		
10.70-17.00	Hausen, H.	zation of annelid cerebral eyes		
17.00-17.15	Schmidt-Rhaesa &	The nervous system of Nemathelminthes – is the		
	Birgen	taxon Nemathelminthes valid?		
17.15-17.45	Jenner, R.	Please mind the gaps: exploring the limits of our		
		understanding of animal body plan evolution		
17:45-18:15	DMP Organizers	Concluding Remarks: Deep Metazoan Phylogeny –		
	-	where to now?; Poster award		
19.00-23.00		Conference Dinner		