

## **1st graduate meeting of the study group Zoological Systematics of the DZG**

”Systematics in the Age of Genomics”, Hamburg, 15-16.9.2010

Zoologisches Institut der Uni Hamburg, Martin-Luther-King-Platz 3  
[www.dzg.molekulare-phylogenetik.de/graduerten.html](http://www.dzg.molekulare-phylogenetik.de/graduerten.html)

### **Wednesday, 15.09.2010**

- 14:30-15:00 Lars Podsiadlowski (Uni Bonn) & Christoph Bleidorn (Uni Leipzig)  
*Introduction to the first graduate meeting of the study group „Zoological Systematics“ of the German Zoological Society*
- 15:00-15:45 Invited talk: Matthias Meyer (MPI Leipzig)  
*High-throughput sequencing methods – large scale data production for evolutionary studies*
- 15:45-16:15 Invited talk: Jan-Ole Kriegs (LWL Münster)  
*On the use of retrotransposons as phylogenetic markers*
- 16:15-16:40 *Coffee Break*
- 16:40-17:00 Antje Golombek (Uni Osnabrück)  
*Phylogenetic position of the supposedly paedomorphic species *Apharyngtus punicus* and *Dinophilidae* (Annelida) using mitogenomic data*
- 17:00-17:20 Janina Lehrke (Uni Bonn)  
*Phylogenetic relationships of *Echiura* (spoonworms) based on molecular data and implications for echiuran character evolution*
- 17:20-17:40 Adina Mwinyi (Uni Bonn)  
*Symsagittifera roscoffensis - A worm, a genome and the permanent search of the bilaterian ancestry*
- 17:40-18:00 Karen Meusemann (Uni Bonn)  
*MARE – Tool to assess potential information content of data sets and select an optimal data subset by new reduction heuristics*
- 19:00- (open end) *Social Evening – Restaurant dinner and exploration of Hamburg nightlife*

### **Thursday, 16.09.2010**

- 10:00-10:45 Invited talk: Frederic Delsuc (Uni Montpellier)  
*Phylogenomics and next-generation sequencing data*
- 10:45-11:30 Invited talk: Alexandros Stamatakis (TU München)  
*Using phylogenetics to analyze short reads*

- 11:30-13:00 *Lunch break*
- 13:00-13:20 Natascha Hill (Uni Potsdam)  
*Intron positions in orthologous genes as phylogenetic markers for animal phylogeny*
- 13:20-13:40 Alexander Leow (Uni Potsdam)  
*IntronBase, a new resource for mining gene structure data*
- 13:40-14:00 Alexander Suh (Uni Münster)  
*Finding a needle in a haystack - extracting retroposons from a non-model bird genome*
- 14:00-14:20 Maximilian P. Nesnidal (Uni Hamburg)  
*Compositional heterogeneity and phylogenomic inference of metazoan relationships*
- 14:20-14:40 Fabian Kilpert (Uni Bonn)  
*mtDNA variability in Peracarida (Crustacea: Malacostraca)*
- 14:40-15:20 *Coffee break*
- 15:20-15:40 Jörg Hetmank (Uni Leipzig)  
*Venom analysis of Glycera (Glyceridae, Annelida) using a transcriptomics approach*
- 15:40-16:00 Peter Lesny (Uni Bonn)  
*First steps towards a transcriptomic analysis of the host-parasite interactions of Carcinus maenas and Sacculina carcini*
- 16:00-16:20 Achim Meyer (Uni Mainz)  
*Pros and cons of gene selection in phylogenomic inferences by means of topological information.*
- 16:20-16:40 Conrad Helm (Uni Leipzig)  
*Deep-sequencing of micro-RNAs confirms an annelid affinity for Myzostomida*
- 16:40-17:00 *Coffee break*
- 17:00-17:45 *Building a career in Science - an open discussion with our four invited speakers.*
- 19:00-(open end) *Nightlife in Hamburg – further exploration of urban pub culture*