

# **28. Wissenschaftliche Tagung der Deutschen Gesellschaft für Protozoologie**

25. bis 28. Februar 2009

Naumburg (Saale)



Präsident der Deutschen Gesellschaft für Protozoologie

Prof. Dr. Thomas Weisse

Institut für Limnologie

Österreichische Akademie der Wissenschaften

Mondseestrasse 9

A – 5310 Mondsee

Tagungsort:

Euroville: Jugend- und Sporthotel

Am Michaelisholz 115

06618 Naumburg

Tel.: +49(0)3445781750

[info@euroville.de](mailto:info@euroville.de)

Organisatoren:

Martin Schlegel

Detlef Bernhard

Thomas Berendonk

Tel.: +49(0)3419736720

[zoosa@uni-leipzig.de](mailto:zoosa@uni-leipzig.de)

Mittwoch, 25. Februar 2009

## Anreise

- nachmittags      Registrierung im Euroville: Jugend- und Sporthotel  
in Naumburg
- Ab 18.30          Gemeinsames Abendessen

Donnerstag, 26. Februar 2009

- Ab 7.30          Frühstück

## Eröffnung der Tagung

- 9.00 – 9.30      Begrüßung durch den Präsidenten der DGP  
Thomas Weisse
- Grußwort des Prorektors für Forschung und wissenschaftlichen Nachwuchs  
der Universität Leipzig  
Martin Schlegel

## Evolution / Phylogenie / Taxonomie Vorsitz: Martin Simon / Renate Radek

- 9.30 – 10.15      PV    **Nowacki, Mariusz**  
An RNA-Mediated Epigenetic Mechanism for Inheritance of  
Acquired Mutations
- 10.15 – 10.30      KV    **Pfabel, Cornelia**; Nebel, Markus; Stock, Alexandra; Stoeck,  
Thorsten  
Delineation of Taxonomic Units in the Phylum Ciliophora Using  
18S rDNA Sequence Similarities
- 10.30 – 10.45      KV    **Burkart, Corinna**; Barth, Dana; Berendonk, Thomas U.  
Genetic Variation in a Mitochondrial Minisatellite of *Paramecium*  
*caudatum*

10.45 – 11.00	KV	<b>Krenek, Sascha</b> ; Berendonk, Thomas U. The Hsp70 Multigene Family of <i>Paramecium caudatum</i> : Phylogenetics and Differential Gene Expression
11.00 – 11.30		Kaffeepause
11.30 – 11.45	KV	<b>Kudryavtsev, Alexander</b> SSU rDNA and Ultrastructure of Cochliopodiidae, <i>Thecamoeba</i> and <i>Pellita</i> : Implications for Phylogeny of Discosean Amoebae
11.45 – 12.00	KV	<b>Schmidt, Maria</b> Zellbiologische Charakterisierung von Isolatn der heterokonten Algenklasse Synchromophyceae
12.00 – 12.15	KV	<b>Strassert, Jürgen F. H.</b> ; Desai, Mahesh S.; Radek, Renate; Brune, Andreas <i>Joenia annectens</i> : Ein Termitenflagellat mit einer hohen Diversität an bakteriellen Symbionten
12.15 – 12.30	KV	<b>Schrallhammer, Martina</b> ; Schweikert, Michael; Altenbuchner, Josef; Petroni, Giulio; Görtz, Hans-Dieter Characterization of R-Bodies, Inclusion Bodies Produced by <i>Paramecium</i> Endosymbionts <i>Caedibacter</i> Species
12.30 – 13.30		Mittagspause
13.30 – 13.45	KV	<b>Fokin, Sergei</b> ; Ferrantini, Filippo; Modeo, Letizia; Verni, Franco; Petroni, Giulio <i>Copemetopus subsalsus</i> , <i>Parablepharisma bacteriophora</i> , and a New <i>Parablepharisma</i> -like Organism from Habitats with Oxygen Deficiency – are they Heterotrichids?
13.45 – 14.00	KV	<b>Vďačný, Peter</b> ; Foissner, Wilhelm Morphological Taxonomy of Dileptids (Litostomatea, Haptoria): the Quest of Species Characters
14.00 – 14.15	KV	<b>Foissner, Wilhelm</b> ; Strüder-Kypke, Michaela A Chain Forming Ciliate from Tank Bromeliads
14.15 – 14.30	KV	<b>Norf, Helge</b> ; Foissner, Wilhelm A New, Stunning Peritrich Ciliate from the Rhine River (Germany)
14.30 – 15.00		Kaffeepause

**Umwelt / Angewandte Protistologie**  
**Vorsitz: Antonis Chatzinotas**

15.00 – 15.45	PV	<b>Mitchell, Edward</b> Consolidating the Foundations of Ecology and Palaeoecology by Studying the Phylogeny, Taxonomy and Biogeography of Testate Amoebae
15.45 – 16.00	KV	<b>Stoek, Thorsten</b> ; Richards, Thomas A.; Bass, David; Nebel, Markus Exploring the "Rare Protistan Biosphere"

- 16.00 – 16.15 KV **Behnke, Anke**; Edgcomb, Virginia; Christen, Richard; Stoeck, Thorsten  
The Effect of Geographical Distance and Environmental Conditions on Protistan Diversity in Two Permanently Anoxic Marine Basins
- 16.15 – 16.30 KV **Müller, Helga**; Achilles-Day, Undine E. M.; Day, John G.  
Cryopreservation of the Ciliate *Meseres corlissi*
- 16.30 – 16.45 KV **Schwarz, Julian**  
Strain deposition at the ATCC
- 16.45 – 17.15 **Posterpräsentation I**  
Evolution / Phylogenie / Taxonomie  
Umwelt / Angewandte Protistologie

**Posterpräsentation I**  
**Vorsitz: Antonis Chatzinotas**

- P1 **Kiss, Áron Keve**; Török, Júlia Katalin; Ács, Éva; Kiss, Keve Tihamér  
New Testate Amoeba Species from the Plankton of the River Danube
- P2 **Müller, Melanie**; Wylezich, Claudia; Nitsche, Frank; Nopper, Nicole; Arndt, Hartmut  
A New Clade of Naked Bicosoecids from Different Freshwater Environments
- P3 **Török, Júlia Katalin**  
Phylogeny of *Arcella*: a Comparative Analysis of Different Morphological Species Groups Based on Partial SSU rRNA Gene Sequences
- P4 **Berger, Helmut**  
The Monograph of the Hypotricha (Ciliophora, Spirotricha): Three of Six Volumes Already Available
- P5 **Berger, Helmut**; AL-Rasheid, Khaled A. S.; Foissner, Wilhelm  
Two New Species of Hypotrichous Ciliates (Ciliophora, Spirotricha) from a Saline Soil in Saudi Arabia
- P6 **Blake, Natalie**; Foissner, Wilhelm  
Exploring a New Ciliate World: Two Peritrichs from Costa Rican Bromeliads
- P7 **Gabilondo, Regina**; Foissner, Wilhelm  
Four New Species of Haptorid Soil Ciliates from Four Different Biogeographic Regions
- P8 **Çapar, Sirma**  
Turkish Ciliate (Protozoa, Ciliophora) Fauna
- P9 **Sonntag, Bettina**; Strüder-Kypke, Michaela; Summerer, Monika  
*Uroleptus willii*: Morphology, Phylogeny and Ecology of a New Euplanktonic Freshwater Ciliate (Dorsomarginalia, Spirotrichea, Ciliophora)
- P10 **Anderson, Ruth**; Weber, Felix; Jürgens, Klaus  
Protist Diversity, Distribution and Bacterivory in Baltic Sea Pelagic Redoxclines
- P11 **Glaser, Karin**; Solé, Magali; Harms, Hauke; Chatzinotas, Antonis  
Identification of Potential Activity Markers in Protists by Molecular Techniques

Ab 17.15 Mitgliederversammlung der DGPF  
Ab 19.00 Abendessen

Freitag, 27. Februar 2009

Ab 7.30 Frühstück

**Zellbiologie / Genetik**  
**Vorsitz: Christian Wilhelm**

- 9.00 – 9.45 PV **Steinberg, Christian E. W.**  
Natural Chemical Stress, Multiple Stress Resistance, and Longevity in Aquatic Organisms
- 9.45 – 10.00 KV **Marker, Simone**; LeMouël, Anne; Meyer, Eric; Simon, Martin  
Functional Analysis of Putative RNA-dependent-RNA-Polymerases (RdRPs) in *Paramecium tetraurelia*: Distinct Pathways of dsRNA- and Transgene-induced Silencing
- 10.00 – 10.15 KV Marker, Simone; LeMouël, Anne; Meyer, Eric; **Simon, Martin**  
Different Classes of Small RNAs in *Paramecium* Involved in RNAi and Regulation of Endogenous Gene Expression
- 10.15 – 10.45 Kaffeepause
- 10.45 – 11.00 KV **Görtz, Hans-Dieter**  
How to Find and Describe Intracellular Bacteria in Ciliates - an Example
- 11.00 – 11.15 KV **Ladenburger, Eva-Maria**; Sehring, Ivonne M.; Korn, Iris; Plattner, Helmut  
Intracellular Ca<sup>2+</sup>-Release Channels in *Paramecium tetraurelia*
- 11.15 – 11.30 KV **Sehring, Ivonne M.**; Reiner, Christoph; Schönemann, Barbara; Plattner, Helmut  
Gene Silencing Discloses Multiple, but Widely Specific Functional Roles of the Actin4 Subfamily in *Paramecium tetraurelia* Cells
- 11.30 – 11.45 KV **Plattner, Helmut**; Sehring, Ivonne M.; Ladenburger, Eva-Maria  
Pharmacology of Ciliated Protozoa - Drug (In)Sensitivity and Experimental Drug (Ab)Use
- 11.45 – 12.00 KV **Treuner, Theresa**; Berendonk, Thomas U.; Schlegel, Martin  
Increase of Tyrosinase Transcription after UV-B Irradiation in the Cellular Slime Mould *Dictyostelium discoideum*
- 12.00 – 13.00 Mittagspause

## Ökologie

Vorsitz: **Thomas U. Berendonk / Sascha Krenek**

- 13.00 – 13.45 PV **Matz, Carsten**  
Microbial Battlegrounds – The Multiple Facets of Protozoa-Bacteria Interactions in Aquatic Communities
- 13.45 – 14.00 KV **Boenigk, Jens**; Findenig, Barbara  
Population Structure and Perennation Strategies of Chrysoomonad Flagellates
- 14.00 – 14.15 KV **Kiss, Áron Keve**; Ács, Éva; Kiss, Keve Tihamér  
The Local Diversity of Heterotrophic Nanoeukaryotes has been Underestimated: A Case Study in the River Danube with Emphasis on Heterotrophic Flagellates
- 14.15 – 14.30 KV **Moser, Michael**; Scheffel, Ulrike; Stadler, Peter; Weisse, Thomas  
Flagellates at Extremely Low pH – Specialist vs. Generalist Life Strategies
- 14.30 – 15.00 Kaffeepause
- 15.00 – 15.15 KV **Haentzsch, Madlen**; Andres, Claudia; Berendonk, Thomas U.; Schlegel, Martin; Bernhard, Detlef  
Analyses of Ciliate Diversity Using Single Strand Conformation Polymorphism Analyses (SSCP Analyses)
- 15.15 – 15.30 KV **Weisse, Thomas**; Kamjunke, Norbert; Moser, Michael; Scheffel, Ulrike; Stadler, Peter; Weithoff, Guntram  
Significant Habitat Effects Influence Protist Fitness in Acid Mining Lakes
- 15.30 – 15.45 KV Marcus, Hanna; **Wey, Jennifer**; Norf, Helge; Arndt, Hartmut; Weitere, Markus  
Effekte mechanischer und biologischer Störungen auf biofilmassoziierte Ciliatengemeinschaften
- 15.45 – 16.00 KV **Stumm, Karen**; Weidhase, Germaine; Mencfeld, Björn; Buschner, Marcus  
Investigation on the Diversity of Prokaryotes in Tree Canopies of a Temperate Forest
- 16.00 – 16.15 KV **Adolph, Stephanie**; Haentzsch, Madlen; Schlegel, Martin; Bernhard, Detlef  
The Hidden Life in Treetops – a Molecular Survey of Ciliates in the Canopy of a Temperate Floodplain Forest
- 16.15 – 16.45 **Posterpräsentation II**  
Zellbiologie / Genetik / Ökologie

**Posterpräsentation II**  
**Vorsitz: Sascha Krenek**

- P12 Klöppel, Christine; Marker, Simone; Creutz, Jonathan; **Simon, Martin**  
A Secreted, Cytosolic Phosphatidyl-Specific Phospholipase C Affecting Special GPI-Anchors on the Surface of *Paramecium*
- P13 **Sterz, Angela**; Marker, Simone; Simon, Martin  
Molecular Characterisation of the Four RdRP Genes in *Paramecium tetraurelia*
- P14 **Treuner, Theresa**; Bernhard, Detlef; Burkart, Corinna; Weigert, Anne; Berendonk, Thomas U.  
Enrichment of Micronuklei and Detection of Microsatellites in *Paramecium caudatum*
- P15 **Behnke, Anke**; Stoeck, Thorsten  
Factors Structuring Spatial and Temporal Patterns of Protistan Communities in an Anoxic Water Column
- P16 Böhme, Anne; **Risse-Buhl, Ute**; Küsel, Kirsten  
Grazing Activity of Ciliates and Flagellates with Different Feeding Modes Influence Bacterial Biofilm Morphology
- P17 **Monsonís Nomdedeu, Mar**; Hünninghaus, Maïke; Willen, Christine; Schieffer, Andre; Arndt, Hartmut  
Determination and Influences of Variable Extrinsic and Intrinsic Parameters on Population Dynamics of the Ciliate *Tetrahymena pyriformis*. Model Analyses and Preliminary Results
- P18 **Jost, Steffen**; Medinger, Ralph; Boenigk, Jens  
Analysing Protist Population Structures by Multiplex Single-Cell PCR from Preserved Plankton Samples
- P19 Barresi, Marta; **Schrallhammer, Martina**; Schweikert, Michael; Görtz, Hans-Dieter; Petroni, Giulio  
First Description of *Euplotes raikovi* as Natural Reservoir of *Francisella philomiragia*
- P20 **Schweikert, Michael**; Schrallhammer, Martina; Görtz, Hans-Dieter  
High Resolution Electron Microscopy of R-Bodies in *Caedibacter* Species, Endosymbionts in Ciliates of the Genus *Paramecium*, Revealed by Electron Tomography

Ab 17.00 Mitgliederversammlung der DGP

Ab 19.30 Geselliger Abend mit Posterpreisverleihung

Samstag, 28. Februar 2009

Ab 7.30 Frühstück

**Parasitologie**  
**Vorsitz: Arwid Dauschies/Carlos Hermosilla**

9.30 – 10.15	PV	<b>Carlos Hermosilla</b> Intriguing Parasite-Host of Apicomplexan <i>Eimeria boris</i>
10.15 – 10.30	KV	<b>Koethe, Martin</b> ; Dr. Bangoura, Berit; Pott, Susan; Zöller, Birte; Dr. Ludewig, Martina; Prof. Dr. Fehlhaber, Karsten; Prof. Dr. Dauschies, Arwid; Dr. Mercier, Corinne; Prof. Dr. Straubinger, Reinhard Serological Detection of <i>Toxoplasma</i> Infection in Turkeys
10.30 – 10.45	KV	<b>Worliczek, Hanna Lucia</b> ; Gerner, Wilhelm; Saalmüller, Armin; Joachim, Anja; Porcine Coccidiosis – Immune Response to <i>Isospora suis</i> in Piglets
10.45 – 11.15		Kaffeepause
11.15 – 11.30	KV	<b>Michel, Rolf</b> ; Kurek, Rafael; Scheid, Patrik; Walochnik, Julia; Hauröder, Bärbel Isolierung von <i>Thecamoeba quadrilineata</i> mit pilzartigen intranukleären Parasiten und Beschreibung ihrer Entwicklung und des Wirtsspektrums
11.30 – 11.45	KV	<b>Walochnik, Julia</b> ; Lackner, Peter; Auer, Herbert; Schmutzhard, Erich Isolierung von <i>Acanthamoeba</i> Genotyp T5 aus dem ZNS
11.45 – 12.00	KV	<b>Etzold, Manja</b> ; Prof. Dr. A. Dauschies, Dr. V. Dyachenko Stage-Specific Expression of Six Calcium-Dependent Protein Kinases in <i>Cryptosporidium parvum</i> In Vitro
12.00 – 13.00		Mittagspause