

**25. Wissenschaftliche Tagung der
DEUTSCHEN GESELLSCHAFT FÜR PROTOZOOLOGIE**
Protist Diversity: Past, Present and Future

8. bis 11. März 2006
Liebenwalde bei Berlin

PROGRAMM

Mittwoch, den 8.3.2006

Anreise

nachmittags	Registrierung im <i>Landguthotel Preußischer Hof</i> , Liebenwalde bei Berlin
ab 18.30	Begrüßung durch das Organisations-Team Umtrunk und Begrüßungsbüfett

Donnerstag, den 9.3.2006

Eröffnung der Tagung

Moderation: Klaus Hausmann, Berlin

9.00 – 9.30	The Secret World of Protists Filmische Impressionen von Manfred & Christina Kage Schloß Weißenstein Eröffnung der Tagung Helmut Schmidt, Kaiserslautern, Präsident der DGP Grußwort des stellv. Gesch. Dir. des Instituts für Biologie, Freie Universität Berlin Thomas Bartolomaeus, Berlin Organisatorisches Norbert Hülsmann, Berlin
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Systematik / Phylogenie

Vorsitz: Martin Schlegel, Leipzig

9.30 – 10.15	PV 1	Denis H. Lynn, Guelph, Canada The revised higher classification of protists: from the past to the present
10.15 – 10.30	KV 1	Helmut Berger , Khaled A.S. Al-Rasheid, Wilhelm Foissner Problems in the systematic classification of some species of hypotrichs (Ciliophora, Spirotrichea)
10.30 – 10.45	KV 2	Dieter Ammermann Größenunterschiede charakterisieren Arten und Unterarten des Artenkomplexes <i>Stylonychia mytilus</i> (Ciliophora, Spirotrichea)

10.45 – 11.15 Kaffeepause

11.15 – 11.30	KV 3	<i>Enrique Lara, Thierry J. Heger, Flemming Ekelung, Edward A.D. Mitchell</i> <i>Testate Amoebae under molecular light: family Hyalosphaenidae revisited</i>
11.30 – 11.45	KV 4	<i>Danielle Kaufmann, Claudia Wylezich, Norbert Hülsmann</i> <i>Untersuchungen zur Phylogenie der Reticulomyxidae</i>
11.45 – 12.00	KV 5	<i>Micah Dunthorn, Wilhelm Foissner, Laura A. Katz</i> <i>Problems and prospects for the phylogenetic relationships within the class Colpodea (Ciliophora)</i>
12.00 – 12.15	KV 6	M. V. Julian Schwarz , Jens Boenigk, Michael Schweikert, Sophie von der Heyden, Anke Behnke, Thorsten Stoeck <i>Actuarioloa framvarensis Stoeck et al., 2005: the type species of a novel genus within the Kinetoplastea (Euglenozoa)</i>
12.15 – 12.30	KV 7	Michaela C. Strüder-Kypke , Olga Kornilova, Denis H. Lynn <i>Phylogeny of trichostome ciliates (Ciliophora, Litostomatea) endosymbiotic in the Yakut horse</i>

12.30 Postervorstellung: Systematik / Phylogenie

Vorsitz: Michaela Strüder-Kypke, Guelph, Canada

P 1	Wilhelm Foissner , Thorsten Stoeck A new „flagship“ ciliate from the Niger floodplain breaks the flexibility-dogma in the classification of the stichotrichine spirotrichs
P 2	Sabine Agatha Biodiversity of aloricate Oligotrichea (Ciliophora, Spirotricha)
P 3	Sabine Agatha <i>Tintinnopsis cylindrica</i> Daday, 1887: a frequently recorded, but morphologically insufficiently known tintinnid (Ciliophora, Spirotricha)
P 4	Mona Hoppenrath , Brian S. Leander Ebriid phylogeny and the expansion of the 'Cercozoa'
P 5	Mona Hoppenrath , Brian S. Leander Dinoflagellate, euglenid or cercoconad? The ultrastructure and molecular phylogeny of <i>Protaspis grandis</i> sp. nov.
P 6	Fania Grimm , Martin Pfannkuchen, Michael Schweikert Molecular phylogeny of the intracellular bacteria in the freshwater dinoflagellate <i>Peridinium cinctum</i> (Dinoflagellata)
P 7	Stephanie Schmidt , Dieter Ammermann, Martin Schlegel, Detlef Bernhard Divergence between North American and Eurasian clone of <i>Stylonychia lemnae</i> inferred from sequence analyses
P 8	Claudia Wylezich , Alexey V. Smirnov, Rolf Michel Molecular biological and morphological studies on the re-isolated binucleate amoeba <i>Sappinia diploidea</i> (Thecamoebidae)
P 9	Valentina Krashevskaya , Jens Illig, Mark Maraun, Stefan Scheu, Michael Bonkowski Diversity of testate amoebae (Protozoa, Testacea) in different litter types of a mountain rain forest in Southern Ecuador
P 10	M. V. Julian Schwarz , Thorsten Stoeck <i>Euplotes trisulcatus</i> Kahl, 1932: a benthic microaerophile or a planktonic anaerobe?
P 11	Ralf Meisterfeld , Susanne Meisterfeld, Claudia Wylezich Molecular phylogeny of lobose testate amoebae (Arcellinida)

13.00 – 14.00 Mittagspause

Parasitismus

Vorsitz: Heinz Mehlhorn, Düsseldorf

14.00 – 14.45	PV 2	Peter Bradley, Los Angeles, USA The role of <i>Toxoplasma</i> rhoptries in invasion and host-pathogen interaction
14.45 – 15.00	KV 8	Kristina Hamilton , Dave Morrit, Paul Shaw Is genetic variability of the alveolate parasite <i>Hematodinium</i> host specific?
15.00 – 15.15	KV 9	Heinz Mehlhorn , Mohammed Hafez, Eberhard Schein Übertragungswege bei <i>Histomonas meleagridis</i> – Was ist dran am Althergebrachten?
15.15 – 15.30	KV 10	Mustafa Yaman , Renate Radek Two microsporidian parasites of <i>Chaetocnema tibialis</i> (Coleoptera: Chrysomelidae) in Turkey
15.30 – 15.45	KV 11	Julia Walochnik , Martina Köhler, Zsuzsanna Szénási, Horst Aspök Diversity of free-living amoebae (FLA) in thermal waters in Hungary

15.45 – 16.15 Kaffeepause

Biodiversität

Vorsitz: Ralf Meisterfeld, Aachen

16.15 – 16.30	KV 12	Laura A. Katz, George B. McManus, Oona L.O. Snoeyenbos-West, Atumn Griffin, Katarzyna Pirog, Barbara Costas, Wilhelm Foissner Reframing the ‚everything is everywhere‘ debate: evidence for high gene flow and diversity in ciliate morphospecies
16.30 – 16.45	KV 13	Thorsten Stoeck , Jennifer Kasper, Slava S. Epstein, John Bunge Protistan species richness: predicting the unpredictable
16.45 – 17.00	KV 14	Alexandra Zündorf , Hans-Werner Breiner, Thorsten Stoeck Linking molecular diversity and functionality in protistan communities
17.00 – 17.15	KV 15	Alexander Kudryavtsev Morphological diversity of the genus

		<i>Cochliopodium</i> (Himatismenida)
17.15 – 17.30	KV 16	Manfred Wanner , Michael Elmer, Karin Hohberg, Birgit Balkenhol, Christian Düker, Willi E.R. Xylander Soil testate amoebae – succession and diversity and consequences for ecosystem processes
17.30 – 17.45	KV 17	Thomas U. Berendonk , Dana Barth, Sergei Fokin Extreme genetic divergence of the CO I gene within the genus <i>Paramecium</i>

17.45 Postervorstellung: Ökologie

Vorsitz: Thomas Weisse, Mondsee, Österreich

P 12	Jens Boenigk , Antonis Chatzinotas, Karin Pfandl Survival strategies of chryomonad flagellates: microdiversity
P 13	Jens Boenigk , Antonis Chatzinotas, Tobias Garstecki, Gianfranco Novarino, Karin Pfandl Survival strategies of chryomonad flagellates: biogeography
P 14	Jens Boenigk , Steffen Jost, Thorsten Stoeck, Anneliese Wiedroither, Liselotte Eisl Survival strategies of chryomonad flagellates: temperature adaptation
P 15	Jens Boenigk , Karin Pfandl, Per Juel Hansen Survival strategies of chryomonad flagellates: predation and feeding
P 16	Karin Pfandl , Jens Boenigk Survival strategies of chryomonad flagellates: suspended sediments
P 17	Karin Pfandl , Jens Boenigk, Antonis Chatzinotas Survival strategies of chryomonad flagellates: habitat specificity
P 18	Robert Rieser, Ulrike-G. Berninger The impact of the composition of the plankton community on the presence and absence of mixotrophic protists in two freshwater ponds
P 19	Gudrun Trinker, Thorsten Stoeck, Ulrike-G. Berninger The impact of an oxygen gradient on the microeukaryotes in the Framvaren Fjord (Norway)
P 20	Mario Prast, Adrian Bischoff, Ernst-J. Cleven, Rudolf Amann, Ulrike-G. Berninger

	Nitrification in aquatic sediments – Do ciliates have an impact?
P 21	Marcel Kathol , Helge Norf, Carsten Viergutz, Hartmut Arndt, Markus Weitere Grazing-Raten von Biofilm assoziierten Ciliatengemeinschaften in Abhängigkeit von der Temperatur
P 22	Anja Scherwaß , Martina Erken, Janus Haagensen, Sören Molin, Hartmut Arndt Three dimensional structure of <i>Acinetobacter</i> biofilms in flown chambers in presence and absence of a protozoan predator (<i>Tetrahymena pyriformis</i>)
P 23	Silvia Weber , Gerhard Wanner, Andreas Hofmann, Wolfgang Ludwig, Johannes Fried Microscopic investigations on the structure and composition of aerobic activated sludge granules
P 24	Anja Hillmann , Fabian Westermeier, Wolfgang Eichler, Arno Tiedtke Ciliates in the elimination of suspended bacteria from sewage plants: experiments under continuous conditions using 30L fermenters
P 25	Fabian Westermeier , Anja Hillmann, Wolfgang Eichler, Arno Tiedtke Capacity of ciliates in the elimination of suspended bacteria from sewage plant water
P 26	Madlen Häntzsch , Thomas U. Berendonk, Martin Schlegel, Detlef Bernhard Molecular characterization of ciliate diversity in constructed wetlands
P 27	Christoph Hartmann, Özlem Özmutlu, Hannes Petermeier, Johannes Fried , Antonio Delgado Analysis of the flow field induced by the sessile ciliate <i>Opercularia asymmetrica</i> (Oligohymenophorea, Peritrichia)
P 28	Elke Gächter , Thomas Weisse Adaptation and acclimation of <i>Meseres corlissi</i> (Ciliophora: Oligotrichea): the role of temperature and soil
P 29	Ira Peterhoff, Silke Feldmann , Hartmut Arndt Heterotrophe Nanofauna in der Luft

P 30	Júlia Katalin Török Running water environment: unexpected wealth of rare testate amoeba species (Protozoa: Testacealobosia, Filosea)
P 31	Sirma Capar Dincer , Serife Gülsün Kirankaya, Güler F. Ekmekci A preliminary study on reservoir ciliates, Gellingüllü Dam Lake, Yozgat, Turkey
P 32	Karolina Kolodziej , Wilhelm Foissner, Thorsten Stoeck Locale ciliate endemisms in an anoxic alpine lake?

19.00 Abendessen

20.00	Verleihung der Eduard-Reichenow-Medaille mit Festvortrag (Laudator: Martin Schlegel, Leipzig)
PV 3	Miklós Müller, New York, USA Die strittige Natur der Hydrogenosomen – Organellen sui generis oder doch stark abgeleitete Mitochondrien?

Freitag, den 10.3.2006

Ökologie

Vorsitz: Hartmut Arndt, Köln

9.00 – 9.45	PV 4	Markus Weitere, Köln Zur Nanofauna der Tiefsee: Protistologische Biodiversitätsforschung im Rahmen verschiedener METEOR-Expeditionen
9.45 – 10.00	KV 18	Sandra Kröwer , Heike Zimmermann-Timm, Kirsten Küsel Einfluss der Hochwasserdynamik auf benthische Ciliaten der Mittelalpe
10.00 – 10.15	KV 19	Ute Risse-Buhl , Kirsten Küsel Einfluss der Fließgeschwindigkeit auf biofilmassoziierte Ciliaten
10.15 – 10.30	KV 20	Helge Norf , Hartmut Arndt, Markus Weitere Bedeutung von Temperaturerhöhung in der frühen Entwicklung Biofilm assoziierter Ciliatengemeinschaften

Kaffeepause 10.30 – 11.00

11.00 – 11.15	KV 21	Thomas Weisse , Peter Stadler, Ulrike Scheffel Impact of pH on growth and survival of freshwater ciliates
11.15 – 11.30	KV 22	Lutz Becks , Klaus Jürgens, Hartmut Arndt Experimentelle Demonstration von Chaos in einem mikrobiellen Nahrungsgewebe
11.30 – 11.45	KV 23	Claudia Wylezich , Georg Nies, Diethard Tautz, Hartmut Arndt Genetische Identifizierung von Protozoen im Grundwasser – Erstellung einer 28S rRNA Sequenzdatenbank
11.45 – 12.00	KV 24	Silvia Weber , Norbert Schwarzenbeck, Wolfgang Ludwig, Johannes Fried A new protocol to analyse protozoa and bacteria in aerobic activated sludge granules by using FISH

12.00 Postervorstellung: Zell- und Molekularbiologie

Vorsitz: Helmut Schmidt, Kaiserslautern

P 33	Birgit Steurer , Bettina Sonntag, Ruben Sommaruga Is <i>Spirostomum teres</i> a light-sensitive heterotrich ciliate?
P 34	Sebastian Hess Zoophagie-Nachweis bei <i>Pleurozia purpurea</i> in Experiment und Natur
P 35	Anika Knapp , Alexandra Zündorf, Thorsten Stoeck RNA/DNA ratios in protists as a measure of growth rate and activity
P 36	Alexander Kudryavtsev , Klaus Hausmann Locomotion and F-actin distribution in <i>Cochliopodium</i> sp. (Amoebozoa, Himatizmenida)
P 37	Sarah Schmidt , Ingo Aldag, Lutz Hermann, Lindsay Hübers, Jan Possdorf, Thomas Weide, Ulrike Bockau, Arno Tiedtke, Marcus Hartmann Purification and characterization of an acid-stable extracellular lipase from <i>Tetrahymena thermophila</i>

P 38	Martina Schrollhammer , Hans-Dieter Görtz, Karl-Heinz Schleifer, Giulio Petroni Characterization of R-body genes in <i>Caedibacter caryophilus</i>
P 39	Theo A. van Alen , Tom S. Koemans, Rob M. de Graaf, Jan Kuiper, Johannes H.P. Hackstein Analysis of copy numbers of genes in <i>Nyctotherus ovalis</i> using Q-PCR
P 40	Edouard Severing , Theo A. van Alen, Guénola Ricard, Georg W.M. van der Staay, Brigitte Boxma, Martijn A. Huynen, Johannes H.P. Hackstein Introns in macronuclear genes of <i>Nyctotherus ovalis</i>
P 41	Simone Marker , Martin Simon, Helmut Schmidt Spontaneous recombination of RNA induced macronuclear deletions in <i>Paramecium tetraurelia</i>
P 42	Jan Kuiper , Guénola Ricard, Martijn A. Hynen, Georg W.M. van der Staay, Seung Y. Moon-van der Staay, Johannes H.P. Hackstein <i>In vivo</i> and <i>in vitro</i> horizontal gene transfer in ciliates
P 43	Klaas Schotanus , Francesco Concetti, Theo A. van Alen, Rob M. de Graaf, Johannes H.P. Hackstein The hydrogenosomal metabolism of the anaerobe ciliate <i>Nyctotherus ovalis</i>
P 44	Hans-Werner Breiner , Thorsten Stoeck Constructing protistan artificial metagenome libraries from marine eukaryotic assemblages
P 45	Christine Klöppel , Simone Marker, Martin Simon, Helmut Schmidt Quantitative RT-PCR: single cell screening vs. culture analysis
P 46	Oliver Gödden , Hauke Harms, Antonis Chatzinotas Molecular diversity of protozoa in contaminated aquifers
P 47	Kathrin Euringer , Tillmann Lueders A molecular characterization of protozoan communities in aquifers
P 48	Roland Schwarz, Matthias Wolf , Thomas Dandekar, Tobias Müller A probabilistic model of cell size reduction in <i>Pseudo-nitzschia delicatissima</i> (Bacillariophyta)

12.45 – 14.00 Mittagspause

Symbiosen

Vorsitz: Renate Radek, Berlin

14.00 – 14.45	PV 5	Andreas Brune, Marburg Bacteria in and on protozoa: prokaryotic symbionts of termite gut flagellates
14.45 – 15.00	KV 25	Hans-Dieter Görtz , Jürgen Kusch, Michael Schweikert, Martina Schrollhammer, Sergei Fokin On the diversity and significance of intracellular bacteria in <i>Paramecium</i>
15.00 – 15.15	KV 26	Sergei Fokin , Martina Schrollhammer, Claudia Vanini, Filippo Ferrantini, Giulio Petroni, Hans-Dieter Görtz New <i>Holospira</i> endocytobionts in some common ciliates
15.15 – 15.30	KV 27	Bettina Sonntag , Monika Summerer, Ruben Sommaruga <i>Chlorella</i> -bearing ciliates in sunlit waters of Piburger See (Tyrol, Austria)

15.30 – 16.00 Kaffeepause

16.00 – 16.15	KV 28	Monika Summerer , Bettina Sonntag, Ruben Sommaruga The potential role of symbiotic <i>Chlorella</i> in UV-protection of freshwater ciliates
16.15 – 16.30	KV 29	Johannes H. P. Hackstein The final proof of the endosymbiont theory

16.30 – 17.00 Bewertung der Poster

17.00 Mitgliederversammlung der DGP und DGPF

19.00 Geselliger Abend

Entenschmaus-Büfett, Posterpreisverleihung, Überraschungsgäste und Disco

Samstag, den 11.3.2006

Evolution

Vorsitz: Christian-F. Bardele, Tübingen

9.00 – 9.45	PV 6	Øjvind Moestrup, Copenhagen, Denmark Dinoflagellates, some of the weirdest protists: phylogeny, taxonomy, biology in a modern context
9.45 – 10.00	KV 30	Mona Hoppenrath , Brian S. Leander The evolutionary history of dinoflagellates
10.00 – 10.15	KV 31	Angelika Preisfeld Evolution of phagotrophic euglenids

Kaffeepause 10.15 – 10.45

Zellbiologie

Vorsitz: Hans-Dieter Görtz, Stuttgart

10.45 – 11.15	PV 7	Roland Kissmehl , Thomas Waßmer, Ivonne Sehring, Christina Schilde and Helmut Plattner The <i>Paramecium</i> genome: a challenge to study the molecular machinery of vesicle transport and fusion along the various trafficking routes
11.15 – 11.30	KV 32	Helmut Plattner , Roland Kissmehl, Eva-Maria Ladenburger, Christof Reiner, Christina Schilde, Ivonne M. Sehring, Thomas Waßmer Mapping components along roads and crossroads of vesicles trafficking in <i>Paramecium</i> cells
11.30 – 11.45	KV 33	Christina Schilde , Thomas Waßmer, Jörg Mansfeld, Helmut Plattner, Roland Kissmehl The R-SNAREs (synaptobrevins) of <i>Paramecium</i>
11.45 – 12.00	KV 34	Martin Simon , Simone Marker, Helmut Schmidt Post-transcriptional control enables mutual exclusive expression of surface antigens in <i>Paramecium</i>

12.00 Verabschiedung

12.15 Mittagessen

Abreise