

TAGUNGSPROGRAMM

Während der Tagung erfolgte Änderungen sind berücksichtigt

Mittwoch, 27. Februar 2002

ab 14:00 Anreise und Anmeldung im Tagungsbüro
ab 18:00 Abendessen und geselliges Beisammensein

Donnerstag, 28. Februar 2002

~~7:00 - 9:00 Frühstück~~
ab 8.30 Anmeldung im Tagungsbüro
9:00 - 9:15 Begrüßung und Eröffnung der 21. Jahrestagung

ÖKOLOGIE I - GENETIK-EVOLUTION I

Vorsitz: Hartmut Arndt / Helga Müller

9:15 - 10:00 **Martin Schlegel:** Phylogeny of Eukaryotes Recovered with Molecular Data: Highlights and pitfalls.

10:00 - 10:15 **Thomas Weisse:** The ecological significance of intraspecific variation in plankton ciliates.

10:15 - 10:30 **Mario Schilling, A Mylnikov, K Jürgens:** Effect of quality and quantity of bacterial prey on the diversity of planktonic, heterotrophic flagellates in freshwater microcosm experiments.

~~10:30 - 11:00 Kaffeepause~~

ÖKOLOGIE I - Fortsetzung

Vorsitz: Wilhelm Foissner / Ulrike Berninger

11:00 - 11:15 **Monika Claeßens-Kenning, S Wickham, S Packroff:** Kontrollmechanismen bei Ciliaten - Die Rolle der Artenzusammensetzung von Räuber und Beute.

11:15 - 11:30 **Jens Boenigk:** Regulation der Nahrungsselektivität bei *Spumella* sp.

11:30 - 11:45 **Anja Scherwaß, Y Fischer, H Arndt:** Does detritus serve as a direct food source for protozoans?

11:45 - 12:00 **Ivo Christian Bobsien, SA Wickham, UG Berninger:** Trophische Interaktionen zwischen Fischlarven und Ciliaten

12:00 - 12:30 Postervorstellung Ökologie I

P 1 **Marina Ettl:** Filamentous bacteria as a food resource for cyrtophorid ciliates in activated sludge?

P 2 **Elvira Czioska, B Auer, H Arndt:** Unterschiedliches Fraßverhalten von *Coleps* sp. mit und ohne endosymbiontischen Algen und die Nutzung ihrer Predatoren als Nahrungsquelle.

P 3 **Sybille Zitzmann, UG Berninger:** Microbial food web in West Greenland Sea in summer: function and importance.

P 4 **Stefan Rohlfing, KH Rustige, R Mannesmann:** Untersuchungen zur Ingestion von Bakterien und Algen bei epizoischen Ciliaten.

- P 5 **Karen Stumm**, P Schulz, UG Berninger: The microbial food web: a comparison between sediment and water column in the Wadden Sea.
- P 6 **Marlene Willkomm**, H Arndt: Temperaturtoleranz und nicht-fraßbedingte Mortalität am Beispiel der *Entosiphon sulcatum* (Euglenida).

12:30 - 14:00 Mittagessen

METHODEN

Vorsitz: Thomas Weisse, Ilja Skovorodkin

14:00 - 14:45 **Jochen Tham**, M Neumann: 6D-Imaging mit dem AxioVert 200 Cell Observer.

14:45 - 15:00 **Sandra Diederichs**, C Beardley, E-J Cleven: FISH in Nahrungsvakuolen von Ciliaten.

15:00 - 15:20 Postervorstellung Methoden

P 7 **Ernst-Josef Cleven**, S Diederichs: DAPI, FISH et al.: A comparison of methods quantifying ciliate bacterivory in a benthic system.

P 8 **Johannes Fried**, W Ludwig, R Psenner, KH Schleifer: A new way to identify and quantify ciliates: 18S rRNA directed oligonucleotide probes and fluorescence in situ hybridization (FISH) in combination with standard staining techniques.

P 9 **Peter Stadler**, E Lindström, T Weisse: Counting and live sorting of prostomatid ciliates by flow cytometry.

P 10 **Thomas Posch**, B Mindl, B Sonntag: On the precision of bacterial and protozoan biomass determination: A comparison of allometric and linear volume-to-element (carbon, nitrogen, phosphorous) conversion factors.

P 11 **Monika Fiegl**, B Sonntag: Comparison of widely used methods to analyze planktonic ciliates in respect to abundance, biovolume and species composition.

15:20 - 15:50 Kaffeepause

ZELLBIOLOGIE

Vorsitz: Ruth Hemmersbach / Dieter Ammermann

15.50 - 16.05 **Ihab Mohamed**, N Klauke, J Cohen, H Plattner: Calcium dynamics in an exocytotic *Paramecium* mutant lacking calcium influx.

16:05 - 16:20 **Anja Schepers**, T Krüppel: 4-chloro-m-cresol (4-CmC) generates intracellular Ca-release and activates store-operated unspecific cation channels (CRANCs) in the marine ciliate *Euplotes vannus*.

16:20 - 16:35 **Martin Krause**, R Hemmersbach, R Bräucker: Graviperception in *Stylonychia mytilus* examined under varied acceleration conditions.

16:35 - 17:10 Postervorstellung Zellbiologie

P 12 **Ruth Hemmersbach**, M Wilczek, C Stieber, R Bräucker, K Ivanova: Variable acceleration influences cAMP levels in *Paramecium biaurelia*.

P 13 **Theo A van Alen**, M Veugelink, J Wong, B Boxma, GWM van der Staay, SY Moon-van der Staay, LF Landweber, JHP Hackstein: A Pyruvate dehydrogenase (PDH) in *Nyctotherus ovalis*.

- P 14 **Hans-Werner Breiner**, J Kusch, HJ Schmidt: *Paramecium tetraurelia* Mutante d12.141.13, eine Zelle mit unerwarteten inneren Werten.
- P 15 **Martin Pfannkuchen**, M Schweikert, F Brümmer, H-D Görtz: Two intracellular bacteria in an *Amoeba proteus* strain.
- P 16 **Antje Häcker**, M Schweikert, E Eschbach, H-D Görtz: A new intracellular bacterium in *Paramecium caudatum*.
- P 17 S Fokin, I Zassoukhina, A Vishnyakov, **Ilja Skovorodkin**: Transformation of germlike nucleus of *Paramecium caudatum*.
- P 18 A Pimenov, I Zassoukhina, D. Ammermann, **Ilja Skovorodkin**: Characterization of transcription initiator in alpha and beta tubulin genes of *Stylonychia lemnae*.
- P 19 J. Cohen, JC Dedieu, M Froissard, T Gulik-Krzywicki, R Kissmehl, M Momayezi, **Helmut Plattner**: NSF - A protein mediating membrane-to-membrane interactions in *Paramecium*: cloning, localization, and gene silencing effects.
- P 20 **Petra Albrecht**, M Simon, J Kusch, HJ Schmidt: "Mutual exclusion" bei Oberflächenproteinen, eine Ausnahme oder die Regel?

17:10 - 17:30 Pause

MORPHOLOGIE-TAXONOMIE

- Vorsitz: Sabine Agatha / Wolfgang Petz
- 17:30 - 17:45 **Wilhelm Foissner**, S Agatha: Epicortical scales: a tool for estimating restricted geographical distribution and global diversity of ciliates.
- 17:45 - 18:00 **Manuela Baumgartner**, A Yapi, KO Stetter: A novel thermophilic amoeba from hydrothermal areas.
- 18:00 - 18:15 Postervorstellung Morphologie -Taxonomie
- P 21 **Alexander Eckhardt**, M Baumgartner, KO Stetter: A novel thermophilic heterokont from Vulcano Island, Italy.
- P 22 ---
- P 23 **Alexander A Kudryavtsev**: Is it reasonable to include *Cochliopodium* and *Gocevia* (Rhizopoda, Lobosea, Himatistenida) in one taxon?
- P 24 **Bettina Sonntag**, W Foissner: Morphology and infraciliature of three planktonic ciliate species (Protozoa, Ciliophora) from an oligotrophic lake in Austria..
- P 25 **Sabine Agatha**: New and poorly-known choreotrichid and oligotrichid ciliates (Ciliophora) from marine waters.
- 18:15 - 18:30 **Christian F Bardele**: Scanning and transmission electron microscopy of the anaerobic ciliate *Trichospira*.

Ab 19:00: Abendessen

Freitag, 1. März 2002

7:00 - 9:00 Frühstück

ÖKOLOGIE II

Vorsitz: Klaus Hausmann / Helmut Schmidt

9:00 - 9:30 Verleihung der EDUARD-REICHENOW-MEDAILLE an Professor Dr. MICHAEL A. SLEIGH.

Hans Machemer: Michael A. Sleigh, an outstanding Scientist and a good Friend.

9:30 - 10:30 **Michael Sleigh:** Studies on the ecology of protozoa in river, estuary, ocean and laboratory.

10:30 - 11:00 Kaffeepause

ÖKOLOGIE II - Fortsetzung

Vorsitz: Ralf Meisterfeld / Bettina Sonntag

11:00 - 11:15 **Brigitte Auer, E Czioska:** Protozoans in lake biofilms: Colonization, composition and trophic interactions.

11:15 - 11:30 **Bettina Sonntag, T Posch, C Griebler, S Klammer, B Mindl, R Psenner:** Planktonic and benthic ciliates (Protozoa, Ciliophora) of deep oligotrophic Traunsee in Austria.

11:30 - 11:45 **M V Julian Schwarz, P Frenzel:** Succession and abundance of ciliated protozoa in an anoxic rice field soil.

11:45 - 12:00 **Jacqueline Süß, H Arndt, E Cleven:** Erstaunliche Vielfalt der Protozoengesellschaft in unterschiedlichen Grundwasserleitern Deutschlands.

12:00 - 12:30 Postervorstellung Ökologie II

P 26 **Anna V Kudryavtseva:** Salinity tolerance of several lobose amoeba species.

P 27 **Sabine Agatha, W Foissner:** Adaptations to hyperarid conditions in a colpodid ciliate (Ciliophora, Colpodea).

P 28 K Hausmann, N Hülsmann, H Arndt, **Markus Weitere:** Deep-Sea Protozoans: results from three expeditions.

P 29 ---

P 30 **Wolfgang Petz, U Schiffner, JC Ellis-Evans:** Biodiversity and quantitative importance of ciliates and testate amoeba (Protozoa) in high arctic lake benthos (Svalbard).

P 31 **Wolfgang Petz:** Ciliate biodiversity and population dynamics in sea ice of the Ross Sea, Antarctica.

P 32 **Sandra Kröwer, H Zimmermann-Timm:** Räumliche Verteilung der Ciliaten im Benthos der mittleren Elbe.

12:30 - 14:00 Mittagessen

PARASITOLOGIE - CHEMISCHE ÖKOLOGIE

Vorsitz: Ute Mackenstedt / Hans-Werner Kuhlmann

14:00 - 14:45 **Huan M Ngo, M Yang, V Nakaar, I Coppens, S Reed, KA Joiner:** Biogenesis and function of secretory rhoptries in the apicomplexan parasite *Toxoplasma gondii*.

14:45 - 15:00 **Ralf Hoffmann**, L Zöllner, R Michel: New insights into the relations of free-living amoeba and man.

15:00 - 15:45 **Piero Luporini**: Ciliate pheromones: structure and activity.

15:45 - 16:00 **Urban Tillmann**, U John: Toxic effects of *Alexandrium* spp. on heterotrophic dinoflagellates: an allelochemical defence mechanism independent of PSP-toxin content.

16:00 - 17:00 Kaffeepause und Postersession

ab 17:00 Mitgliederversammlung

ab 19:30 Gesellschaftsabend mit Buffet und Musik

Samstag, 2. März 2002

7:30 - 9:30 Frühstück

GENETIK-EVOLUTION II

Vorsitz: Johannes Hackstein

9:30 - 9:45 **Brigitte Boxma**, TA van Alen, JHP Hackstein: Multiple origins of hydro-genosomes: Mitochondrial ADP/ATP carriers in the hydrogenosomes of anaerobic ciliates and chytrids.

9:45 - 10:00 SY Moon-van der Stay, **Georg van der Stay**, P Javorsky, J-P Jouany, S Kisidayova, T Michalowski, N McEvan, J Newbold, JHP Hackstein. Diversity of rumen ciliates revealed by 18S ribosomal DNA analysis.

10:00 - 10:15 **Irina Zassoukhina**, A Kostgyov, I Skovorodkin, D Ammermann, A Guenzl: Identification of the sequences regulating transcription in alpha tubulin genes of the hypotrichous ciliate *Stylonychia lemnae*.

10:15 - 10:30 **Julia Walochnik**, R Michel, H Aspöck: Untersuchungen zur Phylogenie der Gattung *Hyperamoeba*.

10:30 - 11:00 Kaffeepause

11:00 - 11:15 **Ingo Busse**, A Preisfeld: Molecular systematics of heterotrophic euglenids based on SSU rDNA data.

11.15 - 12:00 S Barchetta, A La Terza, **Cristina Miceli**: Molecular Ecology of ciliates: Characterization of stress genes and development of transformed cell lines suitable for environmental biomonitoring.

12:00 - 13.30 Verabschiedung, Mittagessen und Abreise