Scientific Programme

11th March, 2006 (Saturday)
Arrival of participants, arrangements of accommodation

12th March (Sunday)
Registration 10:00 A.M. to 5:00 P.M.
6:00 P.M. to 7:30 Informal get together

13th March (Monday)
9:30 A.M. to 10:45 A.M. Inauguration
10:45 A.M. to 11:00 A.M. Coffee Break

TECHNICAL SESSION 1.
Morphology, Taxonomy, Zoogeography & Field Ecology

Chairperson: H. J. Dumont.

11:00 A.M. to 11:30 A.M. Wilko H. Ahlrichs: Challenges and opportunities of different techniques of preparation of rotifer specimens

11:30 A.M. to 11:50 A.M. Christian D. Jersabek: Diversity and zoogeography of Mongolian rotifers

11:50 A.M. to 12:10 P.M. G. Melone, C. Ricci, D. Fontaneto, R. Marotta & M. Caprioli: Water loss and morphological changes during desiccation in Macrotrachela quadricornifera (Rotifera, Bdelloidea)

12:10 P.M. to 12:30 P.M. Jim Green: Morphological variation of Keratella cochlearis in Myanmar in relation to zooplankton community structure

12:30 P.M. to 12:50 P.M. Scott Mills: The future of rotifer taxonomy: Genetics or Morphometrics? A cautionary tale from the Brachionus plicatilis species complex
12:50 P.M. to 13:10 P.M.  *Alois Herzig:* The long-term aspect of the winter rotifer community of Neusiedler See (Austria), with special reference to the development of *Rhinoglena fertőensis*

13:10 P.M. to 14:10 P.M. Lunch

**TECHNICAL SESSIONS  2 & 3.**

**Session 2**

**Morphology, Taxonomy, Zoogeography & Field Ecology (continued)**

*Chairperson: Jim Green*

14:10 P.M. to 14:30 P.M.  *S. Nandini, Martín Merino & S.S.S. Sarma:* Seasonal and depth-related zooplankton distribution in the reservoir Valle de Bravo (State of Mexico, Mexico) with emphasis on rotifers

14:30 P.M. to 14:50 P.M.  *Miloslav Devetter:* Seasonal development and vertical distribution of soil rotifer populations in South-Bohemian beech forest

14:50 P.M. to 15:10 P.M.  *Jolanta Ejsmont-Karabin:* Rotifer abundance and diversity in benthic microhabitats of a littoral zone in Lake Mikołajskie (North-eastern Poland)

15:10 P.M. to 15:30 P.M.  *Heike Zimmermann-Timm, Henry Holst & Hartmut Kausch:* Spatial Dynamics of Rotifers in a Large Lowland River, the Elbe, Germany - How important are retentive shoreline habitats for the plankton community?
15:30 P.M. to 15:50 P.M.  
*E.J. Walsh, T. Schröder, M.L. Bonilla & R.L. Wallace: Rotifera of Big Bend National Park, Texas (USA): species richness, turnover, and interannual variation among selected sites*

15:50 P.M. to 16:10 P.M.  
Coffee break

**Session 3**

**Morphology, Taxonomy, Zoogeography & Field Ecology (continued)**

16:10 P.M. to 16:30 P.M.  
*Wilko H. Ahlrichs, Ole Riemann, Sabrina Fiedler, Eike Wilts & Claus Fischer: The labium of the Rotifera – a morphologically and phylogenetically interesting structure of the rotatory organ.*

16:30 P.M. to 16:50 P.M.  
*Gustavo Emilio Santos-Medrano, Saraí Hernández-Flores & Roberto Rico-Martinez: An analysis of the factors Influencing the presence of males in the freshwater rotifer *Lecane quadridentata* (Rotifera: Monogononta)*

16:50 P.M. to 17:30 P.M.  
*Group Photograph*

17:30 P.M. to 19:00 P.M.  
*Workshop Session 1  
Chairperson: C. William Birky, Jr.  
Bar coded DNA: Application to rotifer phylogeny, evolution and systematics*
14th March (Tuesday)

8:30 A.M. to 10:00 A.M. Drive to UAM Xochimilco

10:00 A.M. to 14:30 P.M. Poster Session (*Technical Session 4*)

Chairpersons:
*S. Nandini,*
*Maria Elena Castellanos-Paez,*
*M.R. Miracle &*
*M. Marcelo Silva-Briano*

Details of poster presentations (i.e., serial number and / or the order) will be available on Monday, 13th March, 2006

14:30 P.M. to 18:00 P.M. Lunch, Boat Trip to Lake Xochimilco

18:00 P.M. to 20:00 P.M. Return to hotel/residence

15th March (Wednesday)

TECHNICAL SESSION 5

*Feeding, Trophic Interactions, Behaviour, Autecology & Population Ecology*

*Chairperson: Norbert Walz*

9:00 A.M. to 9:30 A.M. *Peter Starkweather:* Rotifères du sel: salinity and rotifer ecology

9:30 A.M. to 9:50 A.M. *Morten Omholt Alver:* Individual-based modelling for the prediction of rotifer population dynamics
Jorge Ciros-Pérez, Elizabeth Ortega-Mayagoitia, Mayeli Sánchez-Martínez, & Javier Alcocer: Are deep, oligotrophic lakes inhospitable environments for rotifers?

Gregor F. Fussmann, Gregory Kramer & Mahmoud Labib: Incomplete induction of mixis in Brachionus calyciflorus: patterns of reproduction at the individual level

E.M. García-Roger, M.J. Carmona & M. Serra: Rotifer diapausing egg banks: past studies and recent findings

Coffee break

Visit to Pyramids and return to hotel

16th March (Thursday)

TECHNICAL SESSION 6

Feeding, Trophic Interactions, Behaviour, Autecology & Population Ecology (continued)

Chairperson: Robert L. Wallace

Irene van der Stap, Matthijs Vos & Wolf M. Mooij: Inducible defenses and community dynamics

Atsushi Hagiwara & Lena H. Asano: The relationship between trophi and body size of rotifer Brachionus plicatilis
9:50 A.M. to 10:10 A.M.  
*S.S.S. Sarma & S. Nandini:* Small prey size is an effective deterrent against predation: a case study on two species of *Asplanchna* and three brachionid prey.

10:10 A.M. to 10:30 A.M.  
*M.R. Miracle, M.T. Alfonso & E. Vicente:* Fish and nutrient effects on rotifers in a shallow lake. A mesocosm experiment.

10:30 A.M. to 10:50 A.M.  
*Rick Hochberg:* 3-D Cerebral Architecture and innervation in *Asplanchna* (Rotifera: Asplanchnidae)

10:50 A.M. to 11:10 A.M.  
*H. J. Dumont:* Representatives of freshwater jelly rotifers: *Asplanchna* (title tentative)

11:10 A.M. to 11:30 A.M.  
Coffee break

**TECHNICAL SESSION 7**

*Feeding, Trophic Interactions, Behaviour, Autecology & Population Ecology (continued)*

*Chairperson: Hendrik Segers*

11:30 A.M. to 11:50 A.M.  
*Terry W. Snell, Jerry Kim, Edgar Zelaya & Rachel Resop:* Mate choice in *Brachionus*: Male ability to discriminate female fitness

11:50 A.M. to 12:10 P.M.  
*Claus-Peter Stelzer, Jennifer Härting & Mathilde Bénard:* Unilateral induction of sex between freshwater and saline *Brachionus* spp. (Monogononta, Rotifera).
12:10 P.M. to 12:30 P.M.  
Norbert Walz, Ines Jäger & Franz Hölker:  
*Chaoborus* predation on zooplankton: no preference for rotifers

12:30 P.M. to 12:50 P.M.  
M. Yúfera: Swimming behaviour of  
*Brachionus plicatilis* in response to food concentration and its relation to feeding rates.

12:50 P.M. to 13:10 P.M.  
Guntram Weithoff & Alexander Wacker:  
The mode of nutrition of mixotrophic flagellates determines their food quality for rotifers.

13:10 P.M. to 13:30 P.M.  

13:30 P.M. to 14:30 P.M.  
Lunch

**TECHNICAL SESSION 8**

Molecular biology, Evolution, Genetics and Biochemistry

*Chairperson: David Mark Welch*

14:30 P.M. to 14:30 P.M.  
Martin V. Sørensen: Molecular phylogeny of rotifers: recent advances

14:30 P.M. to 14:50 P.M.  
C. William Birky, Jr.: Genetic diversity in sexual and asexual rotifers

14:50 P.M. to 15:10 P.M.  
Martín García-Varela & Steven A. Nadler:  
Phylogenetic relationships among syndermata inferred from nuclear and mitochondrial gene sequences
14:50 P.M. to 15:10 P.M.  
**Elizabeth J. Walsh & Racquel L. Garcia:** Genetic variation in *Plationus patulus* and its relationship to brachionid rotifers

15:10 P.M. to 15:30 P.M.  
**Thomas Schröder & Elizabeth J. Walsh:** Cryptic speciation in the cosmopolitan *Epiphanes senta* complex (Monogononta, Rotifera)

15:30 P.M. to 16:00 P.M.  
Coffee break

**TECHNICAL SESSION 9**

**Molecular biology, Evolution, Genetics and Biochemistry (Contd.)**

*Chairperson: G. Melone*

16:00 P.M. to 16:20 P.M.  
**David B. Mark Welch:** Phylogenetics and ribosomal gene evolution in Bdelloidea

16:20 P.M. to 16:40 P.M.  
**Alan Tunnacliffe, Brian McGee & Natalia N. Pouchkina-Stantcheva:** Doing it differently: the bdelloid rotifer’s approach to anhydrobiosis

16:40 P.M. to 17:00 P.M.  
**Martin V. Sørensen:** Rotifer phylogeny inferred from a combined approach of four molecular loci and morphology.

17:00 P.M. to 17:20 P.M.  
**Jinqiu Wang & Tianyu Wang:** The clone and primary analysis for meiosis related genes (BpDMC1) of the rotifer *Brachionus plicatilis*
17:20 P.M. to 18:50 P.M.  Workshop session 2  
*Chairperson: A. Hagiwara*
High Density Rotifer Cultures: Advantages and Applications

*Workshop Session 3*  
*Chairpersons: S.S.S. Sarma & R. Rico-Martínez*
Rotifer Stock-Culture Centres

17th March (Friday)

**TECHNICAL SESSION 10**

*Chairperson: RD Gulati*

9:00 A.M. to 9:30 A.M.  *T. Ramakrishna Rao*: Rotifer research in India: An overview

9:30 A.M. to 9:50 A.M.  *M. Strojsova, J. Vrba & J. Seda*: Rotifer digestive enzymes: Progress in their direct detection using the ELF method

9:50 A.M. to 10:10 A.M.  *John J. Gilbert / Thomas Schröder*:  
Intraclonal variation for propensity to produce mictic daughters in several rotifer species: variation among replicate females and with maternal age

10:10 A.M. to 10:30 A.M.  *Célia Joaquim-Justo & Terry W. Snell*:  
Effect of anti-androgenic substances on the sexual reproduction of the rotifer Brachionus calyciflorus
10:30 A.M. to 10:50 A.M.  
*Isidoro Rubio-Franchini & Roberto Rico-Martinez:* Determination of lead in zooplankton, water and sediments from El Niágara reservoir in Aguascalientes (Mexico)

10:50 A.M. to 11:20 A.M.  
Coffee break

11:20 P.M. to 13:00 P.M.  
*Workshop Session 4.*  
Chairperson: Terry Snell  
Population parameters: Application to rotifer ecology & ecotoxicology

13:00 P.M. to 14:00  
Lunch

14:00 P.M. to 16:30 P.M.  
General Discussion, Proposals for Rotifera XII & Conclusion of the Symposium

18:00 P.M. to 22:00 P.M.  
Symposium Dinner

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**18th March (Saturday)**

7:30 A.M.  
Post-Symposium Excursion / Departure