

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 fertöensis*

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, Sarai Hernández-Flores & Roberto Rico-Martínez*: 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)

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| 8:30 A.M. to 10:00 A.M. | Drive to UAM Xochimilco |
| 10:00 A.M. to 14:30 P.M. | Poster Session (<i>Technical Session 4</i>) |
| | Chairpersons:
<i>S. Nandini,</i>
<i>Maria Elena Castellanos-Paez,</i>
<i>M.R. Miracle &</i>
<i>Marcelo Silva-Briano</i> |
| | 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

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| 9:00 A.M. to 9:30 A.M. | <i>Peter Starkweather:</i> Rotifères du sel: salinity and rotifer ecology |
| 9:30 A.M. to 9:50 A.M. | <i>Morten Omholt Alver:</i> Individual-based modelling for the prediction of rotifer population dynamics |

9:50 A.M. to 10:10 A.M.	<i>Jorge Ciro-Pérez, Elizabeth Ortega-Mayagoitia, Mayeli Sánchez-Martínez, & Javier Alcocer: Are deep, oligotrophic lakes inhospitable environments for rotifers?</i>
10:10 A.M. to 10:30 A.M.	<i>Gregor F. Fussmann, Gregory Kramer & Mahmoud Labib: Incomplete induction of mixis in <i>Brachionus calyciflorus</i>: patterns of reproduction at the individual level</i>
10:30 A.M. to 10:50 A.M.	<i>E.M. García-Roger, M.J. Carmona & M. Serra: Rotifer diapausing egg banks: past studies and recent findings</i>
10:50 A.M. to 11:20 A.M.	Coffee break
11:20 A.M. to 19:00 P.M.	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

9:00 A.M. to 9:30 A.M.	<i>Irene van der Stap, Matthijs Vos & Wolf M. Mooij: Inducible defenses and community dynamics</i>
9:30 A.M. to 9:50 A.M.	<i>Atsushi Hagiwara & Lena H. Asano: The relationship between trophi and body size of rotifer <i>Brachionus plicatilis</i></i>

9:50 A.M. to 10:10 A.M.	<i>S.S.S. Sarma & S. Nandini</i> : Small prey size is an effective deterrent against predation: a case study on two species of <i>Asplanchna</i> and three brachionid prey.
10:10 A.M. to 10:30 A.M.	<i>M.R. Miracle, M.T. Alfonso & E. Vicente</i> : Fish and nutrient effects on rotifers in a shallow lake. A mesocosm experiment.
10:30 A.M. to 10:50 A.M.	<i>Rick Hochberg</i> : 3-D Cerebral Architecture and innervation in <i>Asplanchna</i> (Rotifera: Asplanchnidae)
10:50A.M. to 11:10 A.M.	<i>H. J. Dumont</i> : Representatives of freshwater jelly rotifers: <i>Asplanchna</i> (title tentative)
11:10A.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.	<i>Terry W. Snell, Jerry Kim, Edgar Zelaya & Rachel Resop</i> : Mate choice in <i>Brachionus</i> : Male ability to discriminate female fitness
11:50 A.M. to 12:10 P.M.	<i>Claus-Peter Stelzer, Jennifer Härting & Mathilde Bénard</i> : Unilateral induction of sex between freshwater and saline <i>Brachionus</i> spp. (Monogononta, Rotifera).

12:10 P.M. to 12:30 P.M.	<i>Norbert Walz, Ines Jäger & Franz Hölker:</i> <i>Chaoborus</i> predation on zooplankton: no preference for rotifers
12:30 P.M. to 12:50 P.M.	<i>M. Yúfera:</i> Swimming behaviour of <i>Brachionus plicatilis</i> in response to food concentration and its relation to feeding rates.
12:50 P.M. to 13:10 P.M.	<i>Guntram Weithoff & Alexander Wacker:</i> The mode of nutrition of mixotrophic flagellates determines their food quality for rotifers.
13:10 P.M. to 13:30 P.M.	<i>S. Campillo, E. M. García-Roger, M. J. Carmona & M. Serra:</i> Genetic and ecological differentiation among rotifer populations in Eastern Spain.
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.	<i>Martin V. Sørensen:</i> Molecular phylogeny of rotifers: recent advances
14:30 P.M. to 14:50 P.M.	<i>C. William Birky, Jr.:</i> Genetic diversity in sexual and asexual rotifers
14:50 P.M. to 15:10 P.M.	<i>Martín García-Varela & Steven A. Nadler:</i> Phylogenetic relationships among syndermata inferred from nuclear and mitochondrial gene sequences

14:50 P.M. to 15:10 P.M.	<i>Elizabeth J. Walsh & Racquel L. Garcia:</i> Genetic variation in <i>Plationus patulus</i> and its relationship to brachionid rotifers
15:10 P.M. to 15:30 P.M.	<i>Thomas Schröder & Elizabeth J. Walsh:</i> Cryptic speciation in the cosmopolitan <i>Epiphanes senta</i> 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.	<i>David B. Mark Welch:</i> Phylogenetics and ribosomal gene evolution in Bdelloidea
16:20 P.M. to 16:40 P.M.	<i>Alan Tunnacliffe, Brian McGee & Natalia N. Pouchkina-Stantcheva:</i> Doing it differently: the bdelloid rotifer's approach to anhydrobiosis
16:40 P.M. to 17:00 P.M.	<i>Martin V. Sørensen:</i> Rotifer phylogeny inferred from a combined approach of four molecular loci and morphology.
17:00 P.M. to 17:20 P.M.	<i>Jinqiu Wang & Tianyu Wang:</i> The clone and primary analysis for meiosis related genes (BpDMC1) of the rotifer <i>Brachionus plicatilis</i>

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.	<i>T. Ramakrishna Rao</i> : Rotifer research in India: An overview
9:30 A.M. to 9:50 A.M.	<i>M. Strojsova, J. Vrba & J. Seda</i> : Rotifer digestive enzymes: Progress in their direct detection using the ELF method
9:50 A.M. to 10:10 A.M.	<i>John J. Gilbert / Thomas Schröder</i> : 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.	<i>Célia Joaquim-Justo & Terry W. Snell</i> : Effect of anti-androgenic substances on the sexual reproduction of the rotifer <i>Brachionus calyciflorus</i>

10:30 A.M. to 10:50 A.M.	<i>Isidoro Rubio-Franchini & Roberto Rico-Martínez: Determination of lead in zooplankton, water and sediments from El Niágara reservoir in Aguascalientes (Mexico)</i>
10:50 A.M. to 11:20 A.M.	Coffee break
11:20 P.M. to 13:00 P.M.	<i>Workshop Session 4.</i> <i>Chairperson: Terry Snell</i> 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

18th March (Saturday)

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