

PSAMMONALIA

The Newsletter of the
International Association of Meiobenthologists

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Dept. Of Life Science, College of Natural Sciences, Hanyang University,
222 Wangsimni – ro, Seongdong-gu, Seoul 133-791, Korea.

HAPPY NEW YEAR

2015



DONT FORGET TO RENEW YOUR MEMBERSHIP IN IAM!

THE APPLICATION CAN BE FOUND AT:

<http://www.meiofauna.org/appform.html>

This newsletter is mailed electronically. Paper copies will be sent only upon request

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Editorial

Dear Colleagues,

I hope you all had a great Christmas and I wish you all a very happy and prosperous New Year. In Hanyang university, there was another big event, 12th International Conference on Copepods (12th ICOC). It was very happy to see colleagues all over the world, especially to see many colleagues from IAM. I would like to take this opportunity to thank all my local committee and students who made it very successful with their effort. I must also thank all the participants who made it more successful with their presence. Again I hope all of you have a cool, happy and fun-filled winter.

Editor – in – Chief
Dr. Wonchoel Lee

Editorial Board
Vinod Vakati

News to IAMs

With regret we inform you as the chairperson of the International Association of Meiobenthologists that the traditional meiobenthological journal "Meiofauna Marina" will end its publication this year. The publisher Friedrich Pfeil as well as both editors, Antonio Todaro and Kai Horst George, took that final decision with a heavy heart. However, the apparent lack of interest in publishing in the journal we faced since many years made it increasingly difficult to compile new volumes after the publication of the Meiofauna Marina vol. 20 (and even that volume had to be issued with a remarkable delay, due to missing manuscripts). Thus, the discontinuation of publishing the journal is the logical consequence.

Database

NeMys – The World Database of Free-Living Marine Nematodes – has joined forces with WoRMS. WoRMS and the online nematode biodiversity information system NeMys have joined forces. Early

2014, it was decided to transfer the World Database of Free-Living Marine Nematodes (NeMys) from its original host institute – the Marine Biology Section at Ghent University (MarBIOL) – to the Flanders Marine Institute (VLIZ), the host institute of the World Register of Marine Species (WoRMS). NeMys is now fully integrated into WoRMS and it has kept all its functionalities as in the previous stand-alone version at Ghent. As NeMys is now part of WoRMS, all changes made in NeMys will automatically be visible within WoRMS.

NeMys focuses on the taxonomy of the free-living marine nematodes. In addition, NeMys holds 11 identification keys, to identify nematode specimens to their genus level. Some ID-keys to species level are included as well. Registered users have full access to the available taxonomical literature, either through PDFs of entire papers, or as snippets of the relevant information from the literature. This easy access to literature is a major advantage, as the original species descriptions are needed to correctly identify nematodes to species level. As such, NeMys and thus WoRMS - are opening the taxonomical literature on Nematodes to all interested taxonomists and ecologists.

Since NeMys and WoRMS have joined forces, a new editorial team for free-living marine nematodes has been installed. The editorial team currently consists of 10 members, covering a large geographical area and a broad taxonomical expertise. Early next year, these taxonomic experts will meet at the Flanders Marine Institute for a 2-3 day workshop, where they will get familiar with WoRMS and its online editing interface and discuss the way forward for NeMys.

<http://nemys.ugent.be/>

Upcoming Events

Marine Molecular Ecology



The screenshot shows the website for the Marine Molecular Ecology (GRS) Gordon Research Seminar. The header includes the GRC logo and the text 'Gordon Research Conferences Conference Program'. The main content area is titled 'Marine Molecular Ecology (GRS) Gordon Research Seminar' and features the text 'Recent Developments in Marine Microbial Interactions: New Approaches and Techniques' for the dates 'August 1-2, 2015' at 'The Hong Kong University of Science and Technology, Hong Kong, China'. It lists the Chair as 'Evelyn Rucke' and the Associate Chair as 'Ezequiel Marinelli'. A sidebar on the right contains 'MEETING LINKS' such as 'Online Application', 'Conference History', 'Contact Chairs', 'Registration Information', and 'About Gordon Research Seminars NOW', as well as 'SITE & TRAVEL LINKS' and 'REGISTRATION FEES'. A 'What is RSS?' icon is also present.

August 2-7, 2015.

The Hong Kong University of Science and Technology Hong Kong, China

Chairs: Hongbin Liu & Peter D. Steinberg

Vice Chairs: Stanley Lau & Curtis Suttle

Overview: The Gordon Research Seminar on Marine Molecular Ecology is a unique forum for graduate students, post-docs, and other scientists with comparable levels of experience and education to present and exchange new data and cutting edge ideas.

The focus of this meeting is to explore new perspectives within the field of marine molecular ecology, from invertebrate zoology to virus-host interactions. Presentation and discussions of current findings will include, but are not limited to recent developments using new and unique approaches in predator-prey interactions, parasitism, symbiosis, virus-host interactions and microbial contributions to marine biogeochemistry.

Note: The Marine Molecular Ecology Gordon Research Seminar will be held in conjunction with the Marine Molecular Ecology Gordon Research Conference. Those interested in attending both meetings must submit an application for the GRC in addition to an application for the GRS. Please refer to the Marine Molecular Ecology GRC web page for more information.

Dead line: July 5, 2015.

XIV International Rotifer Symposium



Important Deadlines:

Second Circular: November 2014
Registration Open: January 2015
Submission of abstracts May 31, 2015
Acceptance of abstracts June 30, 2015
Latest payment: June 30, 2015
Arrival of participants from: August 29-31, 2015

Main symposium programme:

August 31 – September 5, 2015
Post-conference tours: September 6, 2015
Bdelloid workshop: September 7-8, 2015
Submission of manuscripts (for peer-review):
October 30, 2015.

Scientific Topics:

1. Patterns in biodiversity (Taxonomy, Biodiversity, Zoogeography & Barcoding)
2. Organism functioning (Molecular Biology, Phylogeny, Genetics & Biochemistry)
3. Population studies
4. Ecosystem functioning (Feeding, Trophic Interactions, Behaviour and Autecology & Population Ecology)
5. Integrative and applied research (Aquaculture, Ecotoxicology & Indicator Organisms)
6. Bdelloid Rotifera as models in evolutionary research (Special Session)Contact:

Chair of Local Organizing Committee:

Miloslav Devetter
Biology Centre of ASCR
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Pages: www.rotifera.org

13th INTERNATIONAL SYMPOSIUM ON TARDIGRADA



23-26 June 2015, Modena, Italy

Overview: The 13th International Symposium on Tardigrada is the scientific forum to provide an up-to-date perspective on the biology of tardigrades. Lectures and posters will cover a broad spectrum of themes such as taxonomy, phylogeny, biogeography, reproductive and developmental biology, biochemistry, physiology, genetics, molecular biology, extreme stress resistance and further topics on these fascinating water bears. We plan to make it a truly memorable meeting, and we are looking forward to welcoming you in Modena, thirty years since the 4th Symposium on Tardigrada in 1985.

The registration fees are:

	Before 8 th March 2015	After 8 th March 2015
Regular	330.00 €	390.00 €
Student	110.00 €	170.00 €
Accompanying person	250.00 €	310.00 €

Registration for accompanying children under 10 years is free.

Young Scientist Award: The Awards will honor the best oral and also the best poster presentations. Young researchers (registered as bachelor, master or PhD students) who want to be considered for the Awards must indicate that intention on the registration form and abstract submittal.

<http://www.tardigrada2015.it/#intro>

8th Course International School on Foraminifera

**8th Course
International School on Foraminifera
Urbino - 3rd-22nd June, 2015**

The 8th Course on Foraminifera is designed to provide an overview of the Taxonomy, Ecology, Biodiversity, and Geological History of Benthic and Planktonic Foraminifera. This intensive course is intended for students interested in Micropalaeontology, Palaeoceanography, Palaeoecology, Climate History, Biology, and Environmental applications. The aim is to provide a general overview of the study of foraminifera and environmental paleoecology and to use as an interdisciplinary and multidisciplinary platform. We review the current identification schemes of the foraminifera, discuss practical and laboratory courses that will be organized in parallel with the theoretical courses, and use case studies to investigate the practical history of the genus with lab and practical sessions. The course covers research of approximately 40 hours of lectures and 40 hours of practicals.

Four distinct courses are planned: Foraminiferal Introduction (4-8 June), Larger Benthic Foraminiferal Course (9-12 June), Smaller Benthic Foraminiferal Course (14-18 June) and Planktonic Foraminiferal Course (19-22 June).

The course consists of lectures and practical classes covering the taxonomy, distribution, ecology, and paleontology of foraminifera. Microscopy lab sessions provide the opportunity for participants to learn the taxonomical species and genera, and learn techniques to recognize taxonomical assemblages from Palaeocene-Eocene, Miocene and Oligocene sites, as well as Quaternary and modern assemblages. All the practical sessions, different tasks will be assigned to participants by modules. The teaching sessions, course materials include the lecture presentations and associated pdf reports of course papers.

Registration and Fees:
The fee includes: University of Urbino, Campus Scientifico, Località Crocicchia, 61029 Urbino (Italy).
fabrizio.frontalini@uniurb.it or info@transmittingscience.org Tel: (+39) 0722 304309, Fax: (+39) 0722 304220.

Registration must be done by submitting the application form that can be downloaded from www.transmittingscience.org website, or by sending an email to info@transmittingscience.org.

Prof. Michael A. Kaminski, King Fahd University of Petroleum & Minerals (Saudi Arabia)
Dr. Fabrizio Frontalini, Urbino University (Italy)
Prof. Luis Aguirre, University of Zaragoza (Spain)
Dr. Roberto Aguirre, University of Almería (Spain)
Dr. Claudia Corral, Robertson Ltd (UK)
Prof. Richard Clifton, Ulster University (Ireland)
Dr. Christiane Fay, Wetlab geomatic (The Netherlands)
Prof. John Gaudin, Natural History Museum (United Kingdom)
Prof. Johann Heilmann, University of Vienna (Austria)
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Prof. Anne Pearson, University of Geneva (Switzerland)
Prof. Maria Elena Pini, Marche University (Italy)
Dr. Anna Schifano, Marche Polytechnic University (Italy)
For more information please visit our website at www.transmittingscience.org

3rd – 22nd June, 2015, Urbino

Course Description

The 8th Course on Foraminifera is designed to provide an overview of the Taxonomy, Ecology, Biodiversity, and Geological History of Benthic and Planktonic Foraminifera. This intensive course is intended for students interested in Micropalaeontology, Palaeoceanography, Palaeoecology, Climate History, Biology, and Environmental applications.

Course Structure

Four distinct courses are planned:
Foraminiferal Introduction (4-8 June),
Larger Benthic Foraminiferal Course (9-12 June),
Smaller Benthic Foraminiferal Course (14-18 June)
and Planktonic Foraminiferal Course (19-22 June).

Min number of participants: 10

Final deadline May 9th, 2015

Registration fees

Early registration (application sent and payment before February 7th, 2015)

Correspondence and Information:

Dr. Fabrizio Frontalini,
Dipartimento di Scienze della Terra, della Vita e dell'Ambiente (DiSTeVA) Università degli Studi di Urbino "Carlo Bo" - Campus Scientifico, Località Crocicchia, 61029 Urbino (Italy)
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<http://isf.tmsoc.org/>

Historical Biogeography: Fundamentals and Applications

**transmitting
SCIENCE**

Biogeography

**Historical Biogeography:
Fundamentals and Applications**

June 15 - 19
2015

This course provides basic knowledge on selected theoretical and methodological problems of historical biogeography. We aim to provide the practical skills to enable the students to carry out empirical biogeographical analyses. A considerable part of the course is therefore focused to practical problems as well as to the use of computer programs specifically developed for biogeography analyses.

Instructors:
Dr. Lone Aggeles (BIOA, CONICET, Argentina) and
Dr. Claudia Sturik (Miguel Lillo Foundation, CONICET, Argentina).

Site:
El Verdadero de Pereda,
Barcelona (Spain).

Site:
El Verdadero de Pereda,
Barcelona (Spain).

Fees:
Reduced fee until February 28, 2015: 480 €.
Full fee: 640 €.
All inclusive option: Reduced fee until February 28, 2015: 780 €; full fee: 940 €.
Places are limited to 20 participants.

Schedule:
7:30-1:30 and 15:00-19:00.
Course length: 40 hours on-site.

Registration:
Full the online form at
www.transmittingscience.org

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This course provides basic knowledge on selected theoretical and methodological problems of historical biogeography. Also provide the practical skills to enable the students to carry out empirical biogeographical analyses. A considerable part of the course is therefore allocated to practical problems as well as to the use of computer programs specifically developed for biogeography analyses.

Requirements:

Graduate or postgraduate degree in any Biosciences discipline, basic knowledge of statistics and personal computers. All participants must bring their own personal laptop (Windows).

Course length: 40 hours on-site.

Language: English.

Fees: Reduced fee until February 28, 2015: 480€;
Full fee: 640€.
All Inclusive option: Reduced fee until February 28, 2015: 780€; full fee: 940€.

Participants: Limited to 20 participants.

Registration: www.transmittingscience.org

Contact: courses@transmittingscience.org

Note: Transmitting science provides wide range of courses related to evolutionary biology. Above link allows you to get through every information related to courses.

News from Members

Dr. Nabil Majdi got a “Alexander von Humboldt foundation“ for a two-year stay (2014 - 2016) at the University Bielefeld.

Animal Ecology, Prof. Dr. Walter Traunspurger.

Recent Literature

Alfredo P, Sarma SSS and Nandini S (2014) Feeding and filtration rates of zooplankton (rotifers and cladocerans) fed toxic cyanobacterium (*Microcystis aeruginosa*) Journal of Environmental Biology, Vol. 35, 1013-1020.

Arndt C and Sommer U (2014) Effect of algal species and concentration on development and fatty acid composition of two harpacticoid copepods, *Tisbe* sp. and *Tachidius discipes*, and a discussion about their suitability for marine fish larvae. *Aquaculture nutrition* 20: 44-59.

Boersma M., Wesche A., Hirche H.J (2014) Predation of calanoid copepods on their own and other copepods' offspring. *Mar Biol* 161:733–743.

Bradford-grieve J.M., Boxshall G.A., Blancobercial L (2014) Revision of basal calanoid copepod families, with a description of a new species and genus of Pseudocyclopidae. *Zoological Journal of the Linnean Society*, 171, 507–533.

Bright M, Espada-Hinojosa S, Lagkouvardos I and Volland J-M (2014). The giant ciliate *Zoothamnium niveum* and its thiotrophic epibiont *Candidatus Thiobios zoothamnicoli*: a model system to study interspecies cooperation. *Frontiers in Microbiology* ;5:145.

Cerveau N., Bouchon D., Bergès T., Grève P (2014) Molecular evolution of the androgenic

hormone in terrestrial isopods *Gene* 540: 71–77.

Christian G, Florian M and Tristan L (2014) Current developments in groundwater ecology — from biodiversity to ecosystem function and services. *Current Opinion in Biotechnology*, 27: 159–167.

Dhert P., King N., O'Brien E (2014) Stand-alone live food diets, an alternative to culture and enrichment diets for rotifers. *Aquaculture* 431 59–64.

Hawkyard M., Laurel B., Langdon C (2014) Rotifers enriched with taurine by microparticulate and dissolved enrichment methods influence the growth and metamorphic development of northern rock sole (*Lepidopsetta polyxystra*) larvae. *Aquaculture* 424–425: 151–157.

Hylander S, Grenvald JC and Kiørboe T (2014) Fitness costs and benefits of ultraviolet radiation exposure in marine pelagic copepods. *Functional Ecology*, 28, 149–158.

Huynh C. K., Poquette S. R., Whitlow W. L (2014) Pyrethroid pesticide effects on behavioral responses of aquatic isopods to danger cues. *Environ Sci Pollut Res* 21:5211–5216

Kevin M.K and Christiane T (2014) Three new meiofaunal solenogaster species (Mollusca: Aplacophora) from the north-east Pacific, *Journal of Natural History*, 48:45-48, 3007-3031,

Leduc D. (2014) Are juveniles of the enigmatic deep-sea nematode *Rhaphothyreus* (Rhaphot - hyreida :Rhaphothyreidae) parasitic. *European Journal of Taxonomy* 94, 1-12

Leduc D. (2014) Four new *Paramphimonhys trella* species (Nematoda : Xyalidae) from the continental slope of New Zealand. *Zootaxa* 3814 : 478-494.

Leduc D. (2014) Free-living nematodes of the genus *Halomonhystera* (Monhysteridae) from the Southwest Pacific region and Ross Sea. *New Zealand Journal of Zoology* 41 : 46-57.

Leduc D., Rowden A.A., Nodder S.D., Berkenbusch K., Probert P.K., Hadfield M.G. (2014) Unusually high food availability in Kaikoura Canyon linked to distinct deep-sea nematode community. *Deep-Sea Research II* 104 : 310-318

Meyer-Wachsmuth I, Curini Galletti M, Jondelius U (2014) Hyper-Cryptic Marine Meiofauna: Species Complexes in Nemertodermatida. *PLoS ONE* 9(9):e107688.

Nevalainen L., Ketola M., Korosi J.B., Manca M., Kurmayer R., Koinig K.A., Psenner R., Luoto T.P (2014) Zooplankton (Cladocera) species turnover and long-term decline of *Daphnia* in two high mountain lakes in the Austrian Alps *Hydrobiologia* 722:75–91.

Pasotti F., Convey P., Vanreusel A (2014) Potter Cove, west Antarctic Peninsula, shallow water meiofauna: a seasonal snapshot. *Antarctic Science* 26(5), 554–562.

Ptatscheck C., Traunspurger W (2014) The meiofauna of artificial water-filled tree holes: colonization and bottom-up effects. *Aquat Ecol* 48:285–295.

Rodrigo A., Sarah B., Cammie H., Edward J.B (2014) Ingestion and sublethal effects of physically and chemically dispersed crude oil on marine planktonic copepods. *Ecotoxicology* 23:988–1003.

Santamaria CA, Mateos M and Hurtado LA (2014) Diversification at the narrow sea-land interface in the Caribbean: phylogeography of endemic supralittoral *Ligia* isopods. *Front. Ecol. Evol.* 2:42

Venekey, V. ; Santos, P. J. P. ; Fonseca-Genevois, V.G. (2014). Effect of Environmental Factors on Intertidal Nematoda in a Tropical Sandy Beach (Tamandaré Bay, Pernambuco, Brazil). *Journal of Coastal Research*, v. 296, p. 785-794.

Venekey, V. ; Santos, P. J. P. ; Fonseca-Genevois, V.G. The influence of tidal and

rainfall cycles on intertidal nematodes: a case study in a tropical sandy beach. *Brazilian Journal of Oceanography*, v. 62, p. 247-256, 2014.

Wasserman R.J., Kramer R., Vink T.J.F., FRONEMAN P.W (2014) Conspecific alarm cue sensitivity by the estuarine calanoid copepod, *Paracartia longipatella* *Austral Ecology* 39, 732–738.

Zarubin M., Farstey V., Wold A., Falk-Petersen S., Genin A (2014) Intraspecific Differences in Lipid Content of Calanoid Copepods across Fine-Scale Depth Ranges within the Photic Layer. *PLoS ONE* 9(3): e92935.

12ICOC...Memories



INTERNATIONAL ASSOCIATION OF MEIOBENTHOLOGISTS

APPLICATION FOR MEMBERSHIP OR RENEWAL

The International Association of Meiobenthologists is a non-profit scientific society representing meiobenthologists in all aquatic disciplines. The Association is dedicated to the dissemination of information by publishing a quarterly newsletter and sponsoring a triennial International Conference. The newsletter, *Psammonalia*, is published twice per year (January and June). Membership is open to any person who actively is interested in the study of meiofauna. Annual membership dues are EU\$10 (US\$10) and payment for up to 3 years in advance is possible. New members will receive *Psammonalia* beginning with the February issue of the year joining. Additional contributions to the **Bertil Swedmark Fund**, used to support student attendance at the triennial conferences, is encouraged.

Please check the appropriate boxes:

New member* Renewing member Change of address

Regular membership (EU\$10 or US\$10) Patron or Sustaining membership (EU\$50 or US\$50)

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EU/US \$ _____ enclosed for _____ years. (Regular member EU/US\$10, Sustaining EU/US\$50)

EU/US \$ _____ enclosed as contribution to the **Bertil Swedmark Fund**.

EU/US \$ _____ TOTAL

North American Members:

Dues payable in US dollars by check made payable to the Intl. Assoc. of Meiobenthologists. Send dues and application to: Dr. Robert Feller, Baruch Institute, University of South Carolina, Columbia, SC 29208 USA.

All Other Members:

Dues payable in Euros by check made payable to Ann Vanreusel or by credit card (see below). Send dues and application to: Dr. Ann Vanreusel, Marine Biology Section, Ledeganckstraat 35, B-9000 Gent, BELGIUM.

VISA/MASTER/EUROCARD number: _____ Expiry date: _____

Signature: _____

Interests: _____

(*) New members are encouraged to introduce yourself to members in a short bio (ca. 10 lines).