



**18<sup>th</sup> International Meiofauna Conference**  
**PROVISIONAL PROGRAMME as at 28 November 2022**

**Please note difference between New Zealand Daylight Time (UTC+13) and Brussels time (UTC+2)**

**Day 1 – Tuesday 6 December (NZ time; UTC + 13)**

<b>NZD Time</b>	<b>Brussels Time</b>	<b>Presentation</b>
6:30 (Tue 6 <sup>th</sup> )	18:30 (Mon 5 <sup>th</sup> )	<b>Conference Opening</b> <b>Keynote Address: Lisa Levin</b> <i>Chair: Daniel Leduc</i>
<b>Session 1</b>		<b>Theme: Anthropogenic impacts on meiofauna</b> <i>Chair: Daniel Leduc</i>
7:15	19:15	Deepwater Horizon Effects on Deep-Sea Harpacticoid Copepod Community Structure Reveal an Expanded Footprint of Impacts- <b>Jeffrey Baguley</b>
7:30	19:30	Inter-tidal sediment meiofaunal biodiversity indicators identified using DNA metabarcoding - <b>Rachel Hale</b>
7:45	19:45	Integration of nanoplastics and microplastics and associated toxicity for meiofauna and macrofauna - <b>Marie Le Bagousse &amp; Pierre-yves Pascal</b>
8:00	20:00	The Role of Microbe-Microplastics Associations in Marine Nematode Feeding Behaviors – <b>Aaron Ridall</b>
<b>Break</b>		
21:00 (Tue 6 <sup>th</sup> )	9:00 (Tue 6 <sup>th</sup> )	<b>Keynote Address: Ellen Pape</b> <i>Co-Chairs: Michaela Schratzberger &amp; Teresa Radziejewska</i>
<b>Session 2</b>		<b>Theme: Anthropogenic impacts on meiofauna</b> <i>Co-Chairs: Michaela Schratzberger &amp; Teresa Radziejewska</i>
21:30	9:30	Effects of thermal effluent from nuclear power plants on the composition of meiofauna taxa: A case study of Tianwan, Jiangsu – <b>Yue Yu</b>
21:45	9:45	Meio- and macrofauna as indicators in the ecological monitoring program, do they behave the same? – <b>Hong Zhou</b>

22:00	10:00	Distribution and environmental drivers of nematode communities at deep-sea cold seeps on Hikurangi Margin, New Zealand – <b>Daniel Leduc</b>
<b>Break</b>		
<b>Session 3</b>		<b>Theme: Anthropogenic impacts on meiofauna</b> <i>Chair: Anna-Maria Vafeiadou</i>
23:00 (Tue 6 <sup>th</sup> )	11:00 (Tue 6 <sup>th</sup> )	Meiofauna mediates ecosystem effects of anthropogenic disturbances in the oceans – <b>Michaela Schratzberger</b>
23:15	11:15	Deep-sea benthos within the EU Marine Strategy Framework Directive: comparing meiofauna and macrofauna patterns – <b>Katerina Sevastou</b>
23:30	11:30	The role of microbiome in coexistence of nematode cryptic species complex <i>Litoditis marina</i> under climate change - <b>Anna-Maria Vafeiadou</b>
23:45	11:45	Functional trait study of the biodiversity of the benthic endofauna in the context of anthropogenic impacts – <b>Edwin Daché</b>

### Day 2 – Wednesday 7 December (NZ time; UTC + 13)

NZ Time	Brussels Time	Presentation
6:30 (Wed 7 <sup>th</sup> )	18:30 (Tue 6 <sup>th</sup> )	<b>Keynote Address: Holly Bik</b> <i>Chair: Jeroen Ingels</i>
<b>Session 4</b>		<b>Theme: Biogeography and community dynamics in space and time</b> <i>Chair: Jeroen Ingels</i>
7:00	19:00	Depth-related patterns and regional diversity of free-living nematodes of the Southwestern Gulf of Mexico deep sea – <b>Maickel Armenteros</b>
7:15	19:15	Meiofauna along the deep Florida Escarpment, Gulf of Mexico – Assessing sedimentary biodiversity, ecology, and models using morphology and metabarcoding - <b>Jeroen Ingels</b>
7:30	19:30	Modelling large-scale spatial patterns of marine meiofauna for environmental monitoring – <b>Luciana Yaginuma</b>
7:45	19:45	Assessing biodiversity of benthic meiofauna in karst subterranean estuaries of the Yucatan Peninsula and Cozumel Island, Mexico – <b>Shari Rohret</b>
8:00	20:00	Contribution of the pelagic harpacticoid copepodites of <i>Microsetella rosea</i> (Ectinosomatidae) to the meioneustonic community along Magellan Strait, Chile – <b>Juan Cañete</b>
<b>Break</b>		
21:00 (Wed 7 <sup>th</sup> )	09:00 (Wed 7 <sup>th</sup> )	<b>Keynote Address: Punyasloke Bhadury</b> <i>Chair: Daniel Leduc</i>
<b>Session 5</b>		<b>Theme: Biogeography and community dynamics in space and time</b> <i>Chair: Daniel Leduc</i>
21:30	9:30	Seasonal variability of modern benthic foraminifera assemblages in a mangrove ecosystem, northeast coastal Bay of Bengal – <b>Arkaprava Mandal</b>

21:45	9:45	Free-living marine nematodes in the adjacent waters of the Yap Trench, Western Pacific Ocean - <b>Xiaoshou Liu</b>
22:00	10:00	Resilience of the deep-sea meiofauna community of Kaikōura Canyon, New Zealand, to an earthquake-triggered turbidity flow - <b>Katharine T. Bigham</b>
22:15	10:15	Functional diversity of free-living marine meiobenthic nematodes from the Arctic Kongsfjord (Spitsbergen, Svalbard) – <b>Krishnapriya P.P.</b>
<b>Break</b>		
<b>Session 6</b>		<b>Theme: Biogeography and community dynamics in space and time</b> <i>Co-Chairs: Nikolaos Lampadariou</i>
23:00	11:00	Time waits for no one: Dynamics of meiofauna communities in urban ponds – a long-term perspective – <b>Nabil Majdi</b>
23:15	11:15	Who's there? - Biodiversity of sympagic meiofauna in fjord ice, in Svalbard - <b>Vanessa Pitusi</b>
23:30	11:30	Nematode diversity of the Arctic deep-sea observatory LTER-HAUSGARTEN – <b>Jannik Schnier</b>
23:45	11:45	Spatial scale dependency of taxonomic and functional diversities of nematodes in mangroves – <b>Adriana Spedicato</b>

### Day 3 – Thursday 8 December (NZ time; UTC + 13)

NZ Time	Brussels Time	Presentation
6:30 (Thu 8 <sup>th</sup> )	18:30 (Wed 7 <sup>th</sup> )	<b>Keynote Address: Maria Herranz</b> <i>Co-Chairs: Jeffrey Baguley &amp; Katharine Bigham</i>
<b>Session 7</b>		<b>Theme: Role of meiofauna in ecosystem processes</b> <i>Co-Chairs: Jeffrey Baguley &amp; Katharine Bigham</i>
7:00	19:00	Using single-worm metagenomics to assess the role of the nematode microbiome on biogeochemical processes – <b>Alejandro De Santiago</b>
7:15	19:15	Are old trees a meiofauna hotspot? The case of a mediterranean old-growth beech forest – <b>Nabil Majdi</b>
7:30	19:30	Meiobenthos of a southern Baltic coastal lagoon: importance of pelagic-benthic couplings – <b>Teresa Radziejewska</b>
7:45	19:45	Varying response of bacteria and nematodes to environmental conditions of Sado estuary – implications for estuarine benthic food webs – <b>Soraia Vieira</b>
<b>Mini Break</b>		
8:15	20:15	Discussion Session - topics TBC (Duration: about 1.5 hours)
<b>Break</b>		
14:30	02:30	Discussion Session - topics TBC (Duration: about 1.5 hours)

Break		
<b>Session 8</b>		<b>Theme: Biogeography and community dynamics in space and time</b> <i>Co-Chairs: Katarzyna Grzelak &amp; Martin V. Sørensen</i>
21:00 (Thu 8 <sup>th</sup> )	09:00 (Thu 8 <sup>th</sup> )	Nematode communities from a natural oil seep off Svalbard – <b>João Balsa</b>
21:15	09:15	Meiofauna standing stock on a Southern Ocean Trench environment – <b>Marta García Cobo</b>
21:30	09:30	Meiofauna and free-living marine nematodes from Station M in the North East Pacific – <b>Nikolaos Lampadariou</b>
21:45	09:45	Foraminifera derived carbon contribution to sedimentary carbon pool in Krossfjord, Svalbard – <b>M Jima</b>
Break		
23:00	11:00	<b>Keynote Address: Martin V. Sørensen</b> <i>Chair: Diego Fontaneto</i>
<b>Session 9</b>		<b>Theme: Systematics and evolution</b> <i>Chair: Diego Fontaneto</i>
23:30	11:30	Research on Rhabdozoa in South Korea – <b>Kimi Kim</b>
23:45	11:45	Changes throughout the time – History of Gastrotricha evolution – <b>Malgorzata Kolicka</b>
00:00	12:00	Sequencing genomes from single tardigrade individuals - <b>Witold Morek</b>

Day 4 – Friday 9 December (NZ time; UTC + 13)		
NZ Time	Brussels Time	Presentation
6:30 (Fri 9 <sup>th</sup> )	18:30 (Thu 8 <sup>th</sup> )	<b>Keynote Address: Daniela Zeppilli</b> <i>Co-Chairs: Tiago Pereira &amp; Malgorzata Kolicka</i>
<b>Session 10</b>		<b>Theme: Systematics &amp; evolution + Looking ahead: developing and testing new methodologies and conceptual frameworks</b> <i>Co-Chairs: Tiago Pereira &amp; Malgorzata Kolicka</i>
7:00	19:00	Diversity, Distribution and Systematics of Interstitial Solenogastres (Aplousobranchia, Mollusca) – <b>Meghan Yap-chiongco</b>
7:15	19:15	Soft bodies and saltatory locomotion: A myoanatomical comparison of the basis for appendage movement in semiplanktonic gastrotrichs and planktonic rotifers – <b>Thiago Araújo</b>
7:30	19:30	Investigating meiobenthic copepods from the Clarion Clipperton Fracture Zone with MALDI-TOF MS and DNA-barcoding – <b>Sven Rossel</b>
7:45	19:45	The Meioflume: a new system for observing the interstitial behavior of meiofauna - <b>Will Ballentine</b>
8:00	20:00	Nanopore-based transcriptome skimming: a promising strategy for meiofaunal biodiversity assessment – <b>Christopher Laumer</b>

Break		
21:00 (Fri 9 <sup>th</sup> )	09:00 (Fri 9 <sup>th</sup> )	<b>Keynote Address: Diego Fontaneto</b> <i>Co-Chairs: Katarzyna Grzelak &amp; Matthew Lee</i>
<b>Session 11</b>		<b>Theme: Systematics &amp; evolution + Looking ahead: developing and testing new methodologies and conceptual frameworks</b> <i>Co-Chairs: Katarzyna Grzelak &amp; Matthew Lee</i>
21:30	09:30	Toward building a DNA barcoding reference library of marine nematodes along Chinese coast, what we achieved and learned - <b>Hong Zhou</b>
21:45	09:45	Imaging meiofauna for automatic identification: a game of compromises – <b>Valentin Foulon</b>
22:00	10:00	Innovative methods for biomass estimation of subtidal meiobenthic copepods in the Wadden Sea (Schleswig-Holstein, Germany) – <b>Alexandra Möller</b>
22:15	10:15	Single specimen free-living nematode genomes illuminate the dark branches of the nematode phylogeny – <b>Erna King</b>
Mini Break		
22:45	10:45	<b>IAM Executive Meeting</b>
00:00	12:00	<b>IAM AGM</b>
Break		
Saturday 10 December (NZ time; UTC + 13)		
<b>Session 12</b>		<b>Theme: Systematics &amp; evolution + Interactions between meiofauna and other components of the benthos</b> <i>Co-Chairs: Pierre-Yves Pascal &amp; Daniel Leduc</i>
02:30 (Sat 10 <sup>th</sup> )	14:30 (Fri 9 <sup>th</sup> )	Phylogeny of armoured microbears (Tardigrada: Echiniscidae): plates, hairs and bristles – <b>Piotr Gąsiorek</b>
02:45	14:45	Effects of ‘bioengineering’ megafauna on meiofauna composition and abundance of Central Arctic Langseth Ridge with special focus on the Gastrotricha – <b>Alexander Kieneke</b>
03:00	15:00	To eat or not to eat – the food source of Stilbonematinae (Desmodorida, Nematoda) – <b>Philipp Pröts</b>
03:15	15:15	Benthic eukaryotic community structure in seagrass and bare sediment habitats as assessed by 18S rRNA metabarcoding – <b>Tiago Pereira</b>
03:30	15:30	Meiofaunal Nematode Abundance, Composition, and Diversity at Bathyal to Hadal Depths in the Southeast Pacific Ocean - <b>H. Joseph Horacek</b>
03:45	15:45	<b>Conference Closing</b> <i>Chair: Daniel Leduc</i>

Poster Presentations	
Poster Title	Presenter
Systematic review and cladistic analysis of the family Xenotrichulidae (Gastrotricha: Paucitubulatina)	Thiago Araújo

Investigating the cosmopolitanism of <i>Xenotrichula intermedia</i> (Gastrotricha: Chaetonotida: Xenotrichulidae) using a comparison of muscular architectures	Thiago Araújo
Spatial distribution of meiofauna and nematodes in a huge ultradissipative mega-tidal beach in the Brazilian Amazon	Erivaldo Baia
<i>Acantholaimus</i> from two deep-sea sampling expeditions in a polymetallic nodule-bearing area and distribution of found species in other study areas	Tania-Nara Bezerra
Biodiversity underestimation in our bLUe planEt: artificial intelligence (AI) REVOLUTION in benthic taxonomy (BLUEREVOLUTION project) - What's new?	Catherine Borremans
Machine learning accurately identify free-living marine nematodes species	Simone Brito de Jesus
Biodiversity and community structure of the intertidal meiofauna associated with the discharge of two rivers in the Magellan Strait, Chile	Tania Figueroa Delgado
Revision of <i>Admirandus</i> Belogurov & Belogurova, 1979 (Nematoda, Oncholaimidae) with description of a new species and first register of the genus for Brazil	Mariana Cavalcanti
DNA barcodes in free-living marine nematodes of Comesomatidae (Nematoda: Araeolaimida) evidence of sub-estimation of diversity in species from Mahahual, Mexico	Yareli Cota Valentin
Taxonomic review of the subfamily Enoplolaiminae De Connick, 1965 (Nematoda: Enoplida)	João Vitor de Souza
One new species (Nematoda: Araeolaimida: Comesomatidae) and redescription of one known <i>Sphaerolaimus</i> species from the South China Sea	Sujing Fu
Characterisation of nematodes on <i>Posidonia oceanica</i> meadows	Marta García Cobo
Artificial Light Pollution at Night Interferes with meiofauna assemblage in the intertidal zone	Le Geng
Abyssal dragons: Diversity and distribution of Kinorhyncha in polymetallic nodule areas at the East Pacific Ocean	Alberto González-Casarrubios
Diversity of Echinoderes (Kinorhyncha: Cyclorhagida) from the Hikurangi Margin, New Zealand	Katarzyna Grzelak
Inter-tidal sediment meiofaunal biodiversity indicators identified using DNA metabarcoding	Rachel Hale
Amplicon sequence variant-based meiofaunal community composition revealed by DADA2 tool is compatible with species composition	Zoya Harbuzov
Relating meiobenthic fauna structure and composition to macrobenthic structure and composition at the Kenyan shelf	Said Hashim
Estuarine characterization and ecological status monitoring of the Fenholloway River – assessing pulp mill pollution using nematode and copepod communities	Katherine Henning
Observations on a unique form of maternal protection: the stalk gland complex of <i>Pompholyx</i> (Rotifera: Monogononta)	Rick Hochberg
Morphology and structural properties of rotifer resting eggs	Rick Hochberg
Spatial variations of marine nematodes community structure and ecological role in sandy beaches along the Chinese coast	Er Hua
Nematodes in subtropical mangrove forests: a case study in the Futian Mangrove Reserve, China	Er Hua
A meiofauna baseline study in the Clarion Clipperton Fracture Zone, Pacific – assessing biodiversity, heterogeneity, and rarity	Jeroen Ingels
The impact of monsoon on meiofauna differs on the intertidal substrate: A study conducted on the coast of Gujarat, India.	Sanofar Khokher
Gastrotricha from Mozambique - The first glance into the "bottomless pit"	Małgorzata Kolicka
Using Meiofauna as an Indicator of Biodiversity in a Newly Restored Water System	Emily Kornblum

The influence of tidal regime and salinity gradient on vertical and horizontal distribution of nematode assemblages in tropical estuaries.	Taciana Kramer Pinto
A functional approach of nematode assemblages in tropical estuarine tidal flats	Taciana Kramer Pinto
Latitudinal variation and the interactions of nematode trophic guilds in exposed sandy beaches.	Matthew Lee
Meio- and Macrofaunal Nematodes Reflect Heterogeneous Benthic Regions of the Pacific-Arctic Shelf	Sarah Mincks
Are Meiofaunal Assemblages Bioremediation Organisms?	Hanan Mitwally
Abundance and composition of leaf litter-dwelling meiofauna from tropical and subtropical mangroves of China	Fanghong Mu
Spatio-temporal distribution and influencing factors of meiofauna in a subtropical mangrove in the southern China	Fanghong Mu
Emergent properties of nematode assemblages exposed to multiple stresses	Nilvea Oliveira
Microplastics ingestion by the nematode <i>Litoditis marina</i> : does it interfere with normal feeding behavior or not?	Gabriella Panto'
Epifauna (micro-meio-macrofauna) associated with pelagic sargassum algae during a two years survey around coasts of Guadeloupe (French West Indies)	Pierre-yves Pascal
Diversity of marine free-living nematodes: a global review and a Brazilian survey of the family Cyatholaimidae (Chromadorida:Nematoda)	Beatriz Pereira Cunha
Patterns of meiofauna and nematodes distribution in environments of an Amazon island dominated by freshwater	Virag Venekey
Contributions to <i>Cynura</i> (Nematoda: Plectida: Chronogastridae) from Brazilian specimens	Ana Carolina Vilas-Boas
The effect of tyre particle exposure on meiofaunal community structure	Charlotte Woodhouse