

Oral presentations

day	from	to	name	title
Mo	9:00	9:15	Opening	Conference opening, organizational issues, introduction of the "Cladocera Bingo"
Mo	9:15	9:30	Piet Spaak	Brief history of Symposia on Cladocera
Mo	9:30	9:45	Kay Van Damme	The Evolutionary History of the Cladocera: Recent Insights and Future Perspectives
Mo	9:45	10:00	S H�el�ene Vanvelk	Response of zooplankton community with varying evolutionary potential to stickleback predation
Mo	10:00	10:15	Miguel Alonso	A new water flea <i>Daphnia mariae</i> (Branchiopoda: Diplostraca) from South America
Mo	10:15	10:30	Lei Gu	Prevalence and differentiation of multiple defense types in <i>Ceriodaphnia cornuta</i> from lakes
Mo	11:15	11:30	Markus M�ost	From eco-to-evo to evo-to-eco with the <i>Daphnia longispina</i> species complex
Mo	11:30	11:45	S Athina Karapli-Petritsopoulou	Stress responses of polyploid Arctic <i>Daphnia</i> to elevated temperature: a resurrection approach
Mo	11:45	12:00	Ester Eckert	<i>Daphnia obtusa</i> as model organism for the interaction between antimicrobial resistant bacteria and zooplankton
Mo	12:00	12:15	Elena Gorokhova	Genetic mechanisms of invasion success: A case study on <i>Cercopagis pengoi</i> in the Baltic Sea
Mo	12:15	12:30	Shaolin Xu	Genomic adaptation of <i>Daphnia cucullata</i> to elevated water temperatures: Insights from power plant-heated lakes
Mo	12:30	12:45	S Joe Money	Elevated temperatures impact <i>Daphnia</i> fitness, but not its resistance to a fungal parasite
Mo	14:30	14:45	Eric von Elert	Induction of diel vertical migration in <i>Daphnia</i> by a bile salt from fish: a mesocosm experiment, in-situ concentrations and threshold concentrations
Mo	14:45	15:00	S Johanna Ahlers	Chemical signaling in aquatic ecosystems: Quantifying the fish kairomone dynamics in order to assess its reliability as indicator for predation risk in <i>Daphnia</i>
Mo	15:00	15:15	Rosanna Caroni	Indicators of climate-driven changes in long-term zooplankton composition in Lake Maggiore (Italy)
Mo	15:15	15:30	Amruta Rajarajan	Impact of warming on parasite diversity: comparative metagenomics of <i>Daphnia cucullata</i>
Mo	15:30	15:45	Marcin K. Dziuba	Some things just don't scale up: Qualitatively different impacts of parasites at individual- and population-levels
Mo	16:30	16:45	Sen Xu	The origin of obligate parthenogenesis in <i>Daphnia</i>
Mo	16:45	17:00	Ioanna Enache	Cladocera community diversity in an urban multiple reservoir system
Mo	17:00	17:15	Yurie Otake	How was the genetic structure of <i>Daphnia pulex</i> population in a small lake developed from the early colonization? Examination by paleolimnology, laboratory experiment and theoretical analysis
Mo	17:15	17:30	S Aleksandra Kuden	The response of the parasite <i>Metschnikowia bicuspidata</i> to elevated temperature in experimental evolution assay
Mo	17:30	17:45	Anna Bednarska	Does the fitness of <i>Daphnia</i> of different body sizes vary differently in response to changes in temperature and food quality?
Mo	17:45	18:00	Adam Petrusek	A paraphyly of "crowned" <i>Daphnia</i> from the Palaearctic: multiple losses or gains of the defence against the tadpole shrimps?

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Tu	9:00	9:15	Christoph Haag	Experimental contagious asexuality in <i>Daphnia pulex</i>
Tu	9:15	9:30	Mchale Parrish Bright	Caloric restriction extends lifespan in long-lived, but not short-lived genotypes in <i>Daphnia</i>
Tu	9:30	9:45	S Thomas Beam	Genetic and environmental determinants of longevity in a model zooplankton organism: a meta-analysis
Tu	9:45	10:00	Tomasz Brzeziński	Food thresholds in <i>Daphnia</i> revisited – do they depend on body size?
Tu	10:00	10:15	Yasuhiko Kato	Dimorphic regulation of male-determining gene Doublesex1 expression in <i>Daphnia magna</i>
Tu	10:15	10:30	S Zhixiong Deng	Predation has driven evolution of <i>Daphnia</i>
Tu	11:15	12:00	P Justyna Wolinska	Unveiling the ecological impact of environmental threats through model organisms
Tu	12:00	12:15	Maja Ilić	Heat tolerance in <i>Daphnia longispina</i> species complex
Tu	12:15	12:30	Marc Ventura	Effects of invasive fish on high mountain lake Cladocera and their recovery after fish removal
Tu	12:30	12:45	S Vojtěch Brož	Microturbulence-induced helmet formation and interclonal variability of phenotypic plasticity in two species of <i>Daphnia</i>
Tu	14:30	14:45	Hajime Watanabe	Application of genome editing technique on <i>Daphnia magna</i>
Tu	14:45	15:00	S Aditi Gurung	Does the microbiome mediate priority effects in zooplankton community assembly?
We	9:00	9:15	Dietmar Straile	The dynamics of cladoceran invasions in pelagic food webs – a comparative analyses of the invasions of <i>Diaphanosoma brachyurum</i> and <i>Daphnia cucullata</i> into oligotrophic Lake Constance
We	9:15	9:30	S Marvin Kiene	Food quantity and quality modulates inducible defences in a common predator-prey system
We	9:30	9:45	Giulia Borgomaneiro	Diversity of Cladocera-associated microbial communities across four alpine Italian lakes
We	9:45	10:00	Linda Weiss	Sensing predation - mechanisms underlying predator perception in the freshwater crustacean <i>Daphnia</i>
We	10:00	10:15	S Ashit Dutta	Consuming heat acclimated algae improves heat tolerance and longevity in <i>Daphnia</i>
We	10:15	10:30	Laorsri Sanoamuang	The cladoceran (Crustacea, Branchiopoda) diversity in the floodplains of Tonle Sap Lake and Mekong River in Cambodia
We	11:15	11:30	Carla Caceres	Influence of encounter rate, barrier resistance, and internal clearance on the successful infection of <i>Daphnia dentifera</i> by <i>Metschnikowia bicuspidata</i>
We	11:30	11:45	S Catherine Pearson	Can <i>Daphnia</i> teach us how to live longer without eating less?
We	11:45	12:00	Cristian Alberto Espinosa-Rodríguez	Between the endemic and the alien: Revision of <i>Daphnia</i> from crater lakes El Sol and La Luna, Nevado de Toluca
We	12:00	12:15	Eneida Eskinazi-Sant'Anna	Floating in troubled waters: organic contaminants and mining tailings determine the functional β diversity of cladocerans in aquatic ecosystems of the Lower Doce River (Brazil)
We	12:15	12:30	Kai Lyu	Response to stress from different cyanobacteria species involves conserved sets of miRNA in <i>Daphnia magna</i>
We	12:30	12:45	S Wiktoria Rajewicz	<i>Daphnia</i> as a living sensor for environmental monitoring

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day	from	to	name	title
Th	9:00	9:15	Jotaro Urabe	Colonization success and evolution of <i>Daphnia</i> cf. <i>pulex</i> in a continental archipelago
Th	9:15	9:30	Ann-Kristin E Wiklund	A step towards understanding ecological impacts of artificial sweeteners using <i>Daphnia magna</i>
Th	9:30	9:45	S Yves Saladin	Exploring linkages between dysbiosis and host responses in <i>Daphnia magna</i>
Th	9:45	10:00	Matthias Schott	Automated <i>Daphnia</i> measurements for phenotypic plasticity research
Th	10:00	10:15	S Vanderville Villegas	High concentration of small nanoplastics increases diversity and shifts the microbiome composition of <i>Daphnia</i> in both parasite-infected and uninfected hosts
Th	10:15	10:30	Yan Galimov	Resting eggs that do and do not fail to rest: refractory period in the embryonic diapause of <i>Daphnia magna</i>
Th	11:15	12:00	P Jana Isanta-Navarro	To be or not to be a model organism – <i>Daphnia</i> in evolutionary ecology
Th	12:00	12:15	Martin Horstmann	Effects of swimming biomechanics on prey recognition in <i>Daphnia longicephala</i>
Th	12:15	12:30	S May Shehady	Off-host parasite stages in a climate-changed world: Implications for host-parasite interactions
Th	12:30	12:45	Jessica Titocci	Climate warming effects on cladocerans from Sardinian freshwater and transitional ecosystems: insights from the FUTURE Project
Th	14:30	14:45	Ellen Decaestecker	Hierarchical eco-evo dynamics mediated by the <i>Daphnia</i> gut microbiome
Th	14:45	15:00	S Dominik Pliska	Zooplankton of ephemeral wetlands on arable land: unique communities influenced by landscape history
Fr	9:00	9:15	Dagmar Frisch	Centuries of dominance of a single polyploid <i>Daphnia</i> clone
Fr	9:15	9:30	Kathrin Otte	Genetic variation in rapid adaptation to the invasion of a predator in a natural <i>Daphnia magna</i> population
Fr	9:30	9:45	Nadine Hoffschroer	Microplastic uptake by <i>Daphnia</i> : influence of temperature, food and oxygen availability
Fr	9:45	10:00	Katie Reilly	Mineral oil, movement and monitoring ecosystem health
Fr	10:00	10:15	Lev Y Yampolsky	Post-senescence reproductive rebound in <i>Daphnia</i> associated with reversal of age-related transcriptional changes
Fr	10:15	10:30	Larry Weider	Using resurrection ecology to study environmental change: genes, mud and water fleas
Fr	11:15	11:30	Luc De Meester	Eco-evolutionary hotspots in a heterogeneous landscape – an experiment in a sodic Hungarian pondscape
Fr	11:30	11:45	Enav Bereza	The combined effects of coinfection and temperature on the planktonic crustacean <i>Daphnia magna</i>
Fr	11:45	12:00	Jeff Dudycha	Mutational foundations for the evolution of phenotypic plasticity
Fr	12:00	12:15	Sławomir Cerbin	Impact of global warming on parasitic infections of <i>Daphnia</i> - Can thermal adaptation of fungal spores extend infectivity time window?
Fr	12:15	12:45	Wrap-up of the regular programme	

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day	from	to	name	title
Fr	14:30	14:35		Short Talks on Huge Contributions to the Cladoceran World: A Fond Farewell to Piet Spaak (special session organised by Justyna Wolinska and Nelson Hairston)
Fr	14:35	14:45	Larry Weider	You're Not My Type? Water Fleas, Hybrids, and Piet
Fr	14:45	14:55	Luc De Meester	Why Do <i>Daphnia</i> Populations Have Such a High Capacity for 'Rapid' Evolution?
Fr	14:55	15:05	Nelson Hairston	<i>Daphnia</i> Reaction Norms: G × E × Piet
Fr	15:05	15:15	Ioana Enache	Piet's Daphniately Remarkable Project in the Danube Delta
Fr	15:15	15:25	Justyna Wolinska	How It All Began and Why the Collaboration Continues: Parasites, Mentoring, and Dutch Humor
Fr	15:25	15:35	Markus Möst	Off to New Shores: Quagga Mussels, Sticklebacks, and SeeWandel
Fr	15:35	15:40		Closing of the special session

Poster presentations

No	Session	Name	Title
1	Tue	S Gwendoline Acerbi	Microbiome-mediated adaptation to pollution in urban <i>Daphnia</i>
2	Thu	S Simon Alev	Comprehensive annotation and phylogenetic analysis of Ionotropic Receptors in <i>Daphnia</i>
3	Tue	S Christopher Campbell	Lipid Peroxidation in <i>Daphnia magna</i> Ovaries by Development Stage
4	Thu	Steven Declerck	Community-wide micro-evolutionary adaptation to anthropogenic stress: context dependencies and ecological implications
5	Tue	Rehab El-Shehawy	Microbiota-dependent and independent production of L-Dopa in the gut of <i>Daphnia magna</i>
6	Thu	S Matěj Ešpandr	Distribution, ecology and phenotypic plasticity of <i>Daphnia</i> (<i>Ctenodaphnia</i>) <i>inopinata</i> , the least known member of the <i>D. similis</i> complex
7	Tue	S Jiayi Fan	Zooplankton trait distribution patterns along urbanization gradients – Berlin as a model system
8	Thu	S Fabian Fluecken	Elevated water temperatures increase the fitness of fungal parasite of <i>Daphnia magna</i>
9	Tue	S Emma Gouwy	Enhancing <i>Daphnia</i> 's tolerance to toxic cyanobacterial blooms: gut microbiome manipulations for increased resilience of freshwater ecosystems.
10	Thu	Nelson Hairston	First report of <i>Daphnia</i> in Hawai'i: An apparently obligately asexual <i>D. obtusa</i> population in a fishless temporary reservoir
11	Tue	Minna Hiltunen	The effect of increased DOC concentration on resource use and life history of <i>Daphnia</i> – insights from compound-specific stable isotopes
12	Thu	S Joshua Huster	Predator induced cellular plasticity in <i>Daphnia longicephala</i> sensory antennules
13	Tue	Xiaojing Li	<i>Daphnia</i> is a sentinel species for chemical pollution control in protecting freshwater ecosystems
14	Thu	Karsten Liber	Toxicity evaluation of water and porewater from a Canadian pilot-scale pit lake to <i>Daphnia</i> species
15	Tue	Alfonso Lugo-Vázquez	<i>Daphnia pulex</i> as top-down control of phytoplankton in three subtropical shallow lakes
16	Thu	Xiaolin Ma	Impact of river valleys on genetic diversity and species distribution patterns of the family Cyprididae (Crustacea: Ostracoda) inhabiting on the Tibetan Plateau
17	Tue	Tim Maes	Zooplankton communities under global change – taxon composition and hybridization dynamics in time and space
18	Thu	S Stylianos Mavrianos	Utilizing Genomic and Phenotypic Data with Machine Learning to uncover Evolutionary Insights in <i>Daphnia</i> Population
19	Tue	S Felix Mende	Evolutionary ecology of pollutant tolerance in urban <i>Daphnia</i>
20	Thu	S Luz Jazmin Montes Campos	Effects of the submerged macrophyte <i>Stuckenia pectinata</i> on life history and feeding of <i>Daphnia</i> and <i>Simocephalus</i>
21	Tue	S Catherine Pearson	Do <i>Daphnia</i> males really live shorter than females?
22	Thu	Laura Peralta Soriano	Taxonomical analysis of <i>Simocephalus</i> from central Mexico: the importance of morphometric, molecular, and ecological approaches
23	Tue	Roberta Piscia	Thermal stratification and phenology of cladocera in Lake Maggiore: comparison between two decadal series
24	Thu	S Banaja Prakashini Samantaray	Differential responses of <i>Ceriodaphnia cornuta</i> to different chemicals in presence of microplastics
25	Tue	S Vitali Razumov	Taxonomic change and hybrid genome evolution in the <i>Daphnia longispina</i> complex
26	Thu	Katie Reilly	Dearbhla, the <i>Daphnia</i> , and her research highlights
27	Tue	Ligia Rivera-De la Parra	Does carapace thickness provide any defense for cladocerans against <i>Hydra vulgaris</i> predation?
28	Thu	Jesús Rodríguez Estrada	Diversity, distribution, and abundance of cladocerans from the eutrophicated dam of Valle de Bravo, México: An annual study

Poster presentations

No	Session	Name	Title
29	Tue	Raffaella Sabatino	<i>Daphnia obtusa</i> affects environmental DNA stability
30	Thu	Jesús Rodríguez Estrada	Late maturation in the eye pigmentation of <i>Moina</i> cf. <i>macrocopa</i> : neonates with red color eye
31	Tue	Veronika Sacherová	Wetlands as harbors of regional species diversity in Cladocera
32	Thu	Kristel Sanchez	Assessing the effects of medicinal cyanobacterial diets on different strains of a fungal parasite of <i>Daphnia</i>
33	Tue	S Sophie Steigerwald	Combined Effects of Temperature and Chemical Exposure: Insights from <i>Daphnia magna</i> using a degree-days approach
34	Thu	S Van de Moortel Broos	<i>Daphnia magna</i> and microplastics: a multi-generational study assessing microbiome effects and microbial degradation
35	Tue	Kay Van Damme	(Meta)barcoding the Baltic Sea Cladocera using MinION technology: diet, diversity and origins
36	Thu	Elina Viinamäki	Shedding light on <i>Daphnia</i> : Interclonal differences in culture production at different light regimes
37	Tue	Kay Van Damme	The only terrestrial waterflea genus and its unusual adaptations to living in rainforests: new discoveries in <i>Bryospilus</i> Frey, 1980 (Cladocera: Chydoridae)
38	Thu	Lev Y Yampolsky	Single cell transcriptome of adult <i>Daphnia magna</i>
39	Tue	Bettina Zeis	The impact of <i>Microcystis aeruginosa</i> on <i>Daphnia magna</i> is shaped by ambient temperatures
40	Thu	Haoran Zhang	Urbanization drives adaptation to cyanobacterial blooms in zooplankton grazers