



2021

Annual Meeting Program



Priority Program 1704 DynaTrait

Annual Meeting

4.10.2021 - 07.10.2021

University of Potsdam, Germany

Schedule

We meet at “Obere Mensa” at Campus Neues Palais, House 12, 1st floor, University of Potsdam

Color code: Yellow: Talks in plenary room, which will be streamed online; Purple: Virtual talks, streamed online and into the plenary room; Green: Poster sessions or open space; Gray: Breaks and free time activities.

Monday	Program
ca. 12:30	Self-organized lunch at Mensa (pay yourself, no catering!)*
ca. 13:00	Get together & start of cooperations & synthesis work: Coffee & cake is served at Obere Mensa (plenary room). Please put up your posters.
	Session Chair: Ellen van Velzen
14:00	Welcome note Ursula Gaedke (DynaTrait chair, U Potsdam)
14:10	Keynote Linda C. Weiss (RUB) Potential impacts of changing environments on freshwater invertebrates, phenotypic plasticity, and communities
14:50	Cara A. Faillace (U Pittsburgh) Eco-evolutionary responses in an aquatic predator-prey system resulting from long-term thermal adaptation & Soraya Alvarez Codesal (CNRS Moulis) Thermal adaptations on physiological traits of a predator-prey system
15:15	Coffee break (30min)
15:45	Minoru Kasada (IGB) Eco-evolutionary dynamics considering incompatible defence with respect to size dependent adaptation of prey against predators and parasites & Patch Thongthaisong (IGB) Knowledge gained from studying influences of parasitic fungi on food web properties under adaptive predation
16:10	Ana del Arco (U Constance) Eco-evolutionary dynamics of a tripartite system along the symbiosis continuum
16:30	Coffee break (30min)
17:00	Keynote Weini Huang (U London) Evolutionary dynamics of genetic traits in ecological systems – from mutation accumulation to extra-chromosomal DNA patterns
17:40	Anton Pranger (U Constance) Changes in the mean traits of the phytoplankton community
18:00	Carla Kruk (UdelaR) Macroalgae morphological traits and functional groups in Southern marine ecosystems: rocky intertidal in the Southwestern Atlantic (33°- 35° S)
18:20	Catering from organic Café Kieselstein / Get together with drinks
21:45	End of day / Rooms are closed

* The mensa is the large room downstairs, exactly below our plenary room.

Tuesday	Program
	Session Chair: Stefanie Moorthi
09:00	Keynote Masato Yamamichi (U Queensland) Coexistence theory with eco-evolutionary feedbacks
09:40	Poster teaser I* George Adje, Verena Bamberger, Domiziana Cristini, Ana del Arco, Cara Faillace, Julius Maximilian Hoffmann, Michal Grossowicz, Ruben Hermann, Minoru Kasada, Nadja Kath, Toni Klauschies, Helena Klip
10:40	Coffee break (30 min)
11:10	Christian Guill (U Potsdam) Self-organized pattern formation increases local diversity
11:30	Poster teaser II* Shubham Krishna, Richard Lambrecht, Christian Laumen, Patrick Thomas, Phuong-Anh Vu, Bingzhang Chen, Magali de la Cruz Barrón, Onur Kerimoglu, Anke Schwarzenberger, S. Lan Smith, Maria Stockenreiter
12:25	Lunch break (pay yourself at Mensa)**
13:25	Poster session
	Session Chair: Soraya Alvarez Codesal
14:30	Keynote Birte Matthiessen (GEOMAR) A journey through the sources of trait variability - The relative roles of species and genotype diversity and phenotypic plasticity to explain changing community properties
15:10	Flora Vincent (Weizmann Institute) A mesocosm experiment to question foundational concepts in marine microbiology
15:30	Selina Våge (U Bergen) Adaptive host strategy links phage to copepods in Arctic mesocosms
15:50	Coffee break (30 min)
16:20	Helena Klip (AWI) The ecological impacts of distinctly growing algal cells on predator trait variability and population diversity
16:40	Johannes Werner (U Cologne) Non-linear dynamics drive single-cell populations
17:00	Hartmut Arndt (U Cologne) Overlap and differences in ecological traits of bacterivorous flagellates
17:20	Poster session
ca. 19:00	Dinner at Indian Villa (conference dinner paid by DynaTrait)***

* Poster teaser: 5 min verbal introductions of the posters due to the hybrid format. There will be poster sessions during which you can contact the author(s) individually.

** The mensa is the large room downstairs, exactly below our plenary room.

*** Indian Villa restaurant is at Hegelallee 5, 14467 Potsdam (see details under “Locations” at the end of the document).

Wednesday	Program
	Session Chair: Cara A. Faillace
09:00	Keynote Jelena Pantel (U Paris) Measuring the impacts of trait evolution for community dynamics
09:40	Prima Anugerahanti (JAMSTEC) Enhancing ocean biogeochemical models with phytoplankton variable composition
10:00	Bernd Blasius (U Oldenburg) Complex systems theory of dissolved organic matter: modeling the complex interaction between bacteria and organic molecules in the ocean
10:20	Coffee break (20 min)
10:40	Poster session / Synthesis groups
12:20	Alexey Ryabov (U Oldenburg) Reconstructing species traits and functional diversity based on monitoring data
12:40	Thomas Scheuerl (U Innsbruck) Community Evolution in the Microbial World
13:00	Lunch break * Optional walk through Park Sanssouci & Frisbee
	Session Chair: Laurie Wojcik
14:30	Nelson Hairston Jr. (U Cornell) Serendipity and insight: our discovery and exploration of eco-evolutionary consumer-resource dynamics in chemostat cultures & Ursula Gaedke (U Potsdam) Recurrent frustrating failures or serendipity delivering new insight? Algal-ciliate dynamics in Lake Constance can only be understood by accounting for biomass-trait feedbacks
14:55	Patrick Thomas (U Oldenburg) Interactions between phytoplankton intraspecific and species diversity and their environment
15:15	Patrick Fink (UFZ) DYNATLOSS - What have we learned from assessing trait mediated interactions in freshwater plankton using combined lab and field mesocosm experiments?
15:35	Coffee break (30min)
16:05	Julien di Pane (AWI) Environmentally induced functional shifts in phytoplankton and their potential consequences for ecosystem functioning
16:25	Angel Segura (CURE) Metabolic constraints for body size scaling of extreme abundances in aquatic primary producers
16:45	Poster session / Synthesis groups
Ca. 18:15	Optional: join the group going to the restaurant Alex or self-organized evening **

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** The optional dinner location is the restaurant Alex located 15 min away by bus or walk through the Park Sanssouci and the town (around 30 minutes, see details under “Locations” at the end of the document). If you prefer to organize your evening yourself, please ask Potsdam staff for recommendations of suitable restaurants.

Thursday	Program
	Session Chair: Toni Klauschies
9:00	Keynote Lutz Becks (U Constance) When your enemy is also your friend – eco-evolutionary dynamics in ciliate-algal systems
09:40	Sabine Flöder (U Oldenburg) Intraspecific Trait Variation and Resource Supply Mode Affect Predator-Prey Interactions Among Ciliates
10:00	Stefanie Moorthi (U Oldenburg) The relevance of adaptive trait variation in nutritional strategies for determining ciliate - microalgae trophic interactions
10:20	Coffee break (30min)
10:50	Keynote Ellen van Velzen (U Potsdam) Evolutionary rescue in a community context
11:30	Tom Réveillon (U Constance) Indirect Evolutionary Facilitation
11:50	Ruben Hermann (U Constance) Indirect evolutionary rescue in an experimental predator-prey system
12:10	Laurie Wojcik (U Potsdam) Functional diversity buffers the effects of a nutrient pulse on the dynamics of tritrophic plankton food webs
12:30	Wrap up session
13:00	Meeting ends & farewell

Poster titles

As we have to keep the distance during poster sessions and some posters are virtual, we allocated time for “Poster teaser”: 5 min of verbal introductions of the posters. There will be poster sessions during which you can contact the author(s) individually to meet in person or via zoom (authors not on site are marked in purple, their email can be found in the list of participants, authors who are not participating the conference are marked in grey).

No	Authors	Affiliation	Poster title
01	George Adje, Laurie Wojcik, Ursula Gaedke	U Potsdam	How does functional diversity alter the effects of press perturbations on a tritrophic food web?
02	Bingzhang Chen, David J. S. Montagnes*	U Strathclyde/ *U Liverpool	Thermal diversity affects community responses to warming
03	Verena Bamberger, Linda C. Weiss, Ralph Tollrian	RUB	Ecoevolutionary feedbacks of phenotypic plasticity in monoclonal tritrophic systems
04	Domiziana Cristini, Lutz Becks	U Constance	Linking traits and compositional diversity in phytoplankton communities
05	Magali de la Cruz Barrón	UFZ & TU Dresden	Succession of defense strategies of <i>Pseudomonas putida</i> in response to protozoa predation
06	Ana del Arco	U Constance	Assessing the effects of sublethal antiviral concentrations on a microbial community
07	Cara A. Faillace, Arnaud Sentis*, Jose M. Montoya**	U Pittsburgh /* INRAE Aix-en-Provence / ** CNRS Moulis	Eco-evolutionary consequences of habitat warming and fragmentation in communities

08	Julius Maximilian Hoffmann , Teppo Hiltunen*, Johannes Cairns*, Shane Hogle*, Lutz Becks	U Constance / * U Turku	Eco-evolutionary dynamics in a coevolving predator-prey system
09	Michal Grossowicz , Markus Schartau, Markus Pahlow	GEOMAR	Investigating seasonal vertical migration in high-latitudes via trait-based modelling approach
10	Ruben Hermann , Lutz Becks	U Constance	Indirect evolutionary rescue in an experimental predator-prey system
11	Minoru Kasada , Patch Thongthaisong, Sabine Wollrab, Christine Kiel, Stella A. Berger, Hans-Peter Grossart	IGB	Synergistic effect of predation and parasitism on competition between small and large phytoplankton
12	Nadja Kath , Mridul K. Thomas* , Ursula Gaedke	U Potsdam / *U Geneva	Mysterious ciliates: seasonally recurrent and yet hard to predict
13	Onur Kerimoglu , Prima Anugerahanti*, S. Lan Smith*	U Oldenburg / *JAMSTEC	Assessing an Instantaneous Acclimation Approach for Modelling Phytoplankton Growth
14	Toni Klausches , Ursula Gaedke, Ellen van Velzen	U Potsdam	Ecological and evolutionary causes of intermittent predator-prey cycles
15	Toni Klausches , Jana Isanta-Navarro*, Alexander Wacker** , Dominik Martin-Creuzburg***	U Potsdam / * U Montana/ ** U Greifswald / *** U Constance	Rapid evolution of <i>Daphnia</i> in response to nutritional constraints follows a gleaner-opportunist trade-off
16	Helena Klip , Gelson León, Cédric Meunier, Maarten Boersma	AWI	Linking morphological traits of centric diatoms to elemental composition and activity of nutrient-uptake enzymes: a chemostats approach
17	Shubham Krishna , Carsten Lemmen, Xu Xu, Kai Wirtz	HEREON	A coupled model setup for intricacies of coastal ocean dynamics
18	Richard Lambrecht , Tom Réveillon, Lutz Becks	U Constance	Diversity in trade-off strategies among resurrected alga
19	Christian Laumen , Linda C. Weiss, Ralph Tollrian , Kathrin P. Lampert*	RUB / * U Cologne	<i>Daphnia pulex</i> populations: Influence of anthropogenic stressors and predation pressure on trait variation and genotypic variability
20	Ricarda Cremer, Alexander Wacker* , Anke Schwarzenberger	U Constance / *U Greifswald	Artificial light at night effects on <i>Daphnia's</i> digestion
21	Anupam Priyadarshi*, Ram Chandra*, S. Lan Smith , Hidekatsu Yamazaki**	JAMSTEC / *U Banaras Hindu / **U Tokyo	Environmental heterogeneity enhances transfer efficiency in a model of the food chain from plankton to fish
22	Maria Stockenreiter , Rosalie Krause, Patrick Fink*, Herwig Stibor	LMU / *UFZ	Predator mediated feedback effects in natural plankton communities
23	Patrick Thomas , Charlotte Kunze, Dedmer Van de Waal*, Maren Striebel , Helmut Hillebrand	U Oldenburg / *NIOO-KNAW	Mineral versus biochemical nutrient limitation of zooplankton: a meta-analysis
24	Vu Phuong-Anh , Becks Lutz, Mark van Kleunen	U Constance	Phytoplankton communities and their response to environmental modifications

