



A Novel Synthesis of Individualisation across Behaviour, Ecology and Evolution

Conference organised by the

Collaborative Research Center TRR 212 (NC³)

September 3rd – 5th 2024 in Münster

(Fürstenberghaus – Domplatz 20-22, 48143 Münster)

Tuesday 03.09.2024				
Start	End	Duration (min)	Speaker / Info	Talk Title
12:00	13:00	60	Registration & Coffee	
13:00	13:15	15	Welcome - Oliver Krüger	
13:15	13:45	30	Judith Korb	Long live the queen, the king and the commoner? Life span evolution in termites and the NC ³ principles
13:45	14:15	30	Franjo Weissing	The evolutionary ecology of movement behaviour

14:15	14:45	30	Coffee break	
14:45	15:00	15	Rose Trappes	Individualising Variation: Distinguishing Sex Traits and Individual Differences in Biological Practice
15:00	15:15	15	Maria Moiron	Pace-of-life syndrome hypothesis and the meta-analytic evidence for life-history trade-offs at the genetic level
15:15	15:30	15	Lai Ka Lo	Niche construction affects adaptation of <i>Tribolium castaneum</i> to <i>Bacillus thuringiensis</i>
15:30	16:00	30	Coffee break	
16:00	16:30	30	Barbara Taborsky	The emergence of division of labour through the ontogeny of helping niches
16:30	17:00	30	Oliver Schülke	Intra-annual timing of reproduction alters individualized niches in seasonally breeding macaques
17:00	17:15	15	Pragya Singh	Niche realisation processes in insects: effects of global change and the importance of individual variation
17:15	17:30	15	Break	
17:30	19:30	120	Poster session (with drinks and finger food)	

Wednesday 04.09.2024

09:00	09:30	30	Coffee & chat	
09:30	10:00	30	Pim Edelaar	An experimental test for evolutionary consequences of choice of the environment - or how to remove natural selection from the evolutionary process
10:00	10:15	15	Jules Petit	Phenotypic plasticity under urbanisation: A meta-analysis
10:15	10:30	15	Öncü Maraci, Rebecca Rimbach & Isabel Damas- Moreira	How animals respond to urban niches: A comprehensive cross-species investigation
10:30	11:00	30	Coffee break	
11:00	11:30	30	Susanne Foitzik	Behavioral variability and task specialization in ants and their transcriptional, epigenetic and neurobiological basis
11:30	11:45	15	Laura Schulte	The influence of fire salamander larvae on benthic organisms: evidence of habitat specific differences
11:45	12:00	15	Marie Kaiser	On the Epistemic Roles of the Individualized Niche Concept in Ecology, Behavioral and Evolutionary Biology

12:00	13:30	90	Lunch (self organised: in the city/ Wednesday market)	
13:30	14:00	30	Chaitanya Gokhale	Ecology defines the individual
14:00	14:30	30	Nicolas Rohner	Metabolic Adaptation to Nutrient Limitation in Vertebrates
14:30	14:45	15	Marc Bauhus	Genetic and phenotypic characterisation of immunological niche conformance in cavefish.
14:45	15:00	15	Carlina Feldmann	Inferring individual variation and distinct behavioural patterns using mixtures of hidden Markov models
15:00	15:30	30	Coffee break	
15:30	16:00	30	Sophie Armitage	Individual variation in infection processes: Host and pathogen perspectives
16:00	16:15	15	Anastasiia Enne	Modelling niche conformance of laying dates in great tits (<i>Parus major</i>)
16:15	16:30	15	Ane Liv Berthelsen	Remote imagery unveils seasonal variation in Antarctic fur seal occupancy
16:30	17:00	30	Break	

17:00	18:30	90	Public lecture Oliver Kruger	Verhalten im Wandel: Westfalen, Arktis, Galapagos
19:00	21:00	120	Conference dinner @ Café 1648	

Thursday 05.09.2024

09:00	09:30	30	Coffee & chat	
09:30	10:00	30	Marc Naguib	Communication and social organization of zebra finches in the wild
10:00	10:15	15	Maja Drakula	Are tropically transmitted parasites drivers of individual specialization and ecosystem dynamics via niche construction?
10:15	10:30	15	Angelica Coculla	Temporal niche in <i>Drosophila melanogaster</i> : how individuals create their own biological rhythm.
10:30	11:00	30	Coffee break	
11:00	11:30	30	Anja Günther	Different vulnerability to environmental change in male house mice following different reproductive strategies

11:30	11:45	15	Jonas Schwarz	Facing environmental change: A tradeoff between individual foraging strategies in Galapagos sea lions
12:00	13:30	90	Lunch (at venue)	
13:30	14:00	30	Andrew Sih	Fear generalisation
14:00	14:30	30	Dan Blumstein	Individuality and trait heritability in yellow-bellied marmots
14:30	15:00	30	Closing remarks – Joachim Kurtz	