

BIOLOGY13 PROGRAM

Wednesday, 6 February: Public event at the Zoo Basel ("biology13 geht in den Zoo") and early registration

Thursday, 7 February

08:30-09:15	Registration		
09:15-09:30	Introduction		
09:30-10:15	"Cold Water and Hot Air: the Evolution of Lunglessness in Amphibians"	Mark Wilkinson	Natural History Museum London
10:15-10:30	"Transcriptomics and trait manipulation in a simultaneously hermaphroditic animal model"	Roberto Arbore	University of Basel
10:30-11:00	COFFEE BREAK		
11:00-11:15	"When family life starts in a burrow: Why is maternal egg attendance beneficial in earwigs?"	Stefan Boos	University of Basel
11:15-11:30	"The Fractured Dome: Evolutionary History of Amphibians Across the Ethiopian Rift Valley"	F. Sara Ceccarelli	University of Basel
11:30-11:45	"About plants, pests, and bodyguards: Did domestication reduce insect resistance in maize?"	Elvira de Lange	University of Neuchâtel
11:45-12:00	"Metabolic rate and energy requirements of a small African ruminant – the Phillip's Dikdik (<i>Madoqua saltiana phillipsii</i>)"	Marie Dittmann	ETH Zürich
12:00-12:15	"Early environmental influences in a cooperatively breeding cichlid, <i>Neolamprologus pulcher</i> "	Stefan Fischer	University of Bern
12:15-13:30	LUNCH BREAK		
13:30-14:15	"Multiplicity in unity: plant subindividual variation and interactions with animals"	Carlos Herrera	CSIC Sevilla
14:15-14:30	"Population genetic structure of chub (<i>Squalius cephalus</i>) shaped by hydroelectric power plants in Rhine, Aar, Limmat and Reuss"	Alexandre Gousskov	EAWAG
14:30-14:45	"Pollinators and ploidy level influence floral signal evolution"	Karin Gross	University of Zürich
14:45-15:00	"Disentangling species pool effects from environmental drivers of community composition"	Dirk Niklaus Karger	University of Zürich
15:00-15:45	COFFEE BREAK and POSTERSESSION		
15:45-16:00	"Latitudinal diversity gradient in Polygonaceae: why temperate species won?"	Anna Kostikova	University of Lausanne
16:00-16:15	"Freezing resistance and phenology in spring co-control deciduous tree species low temperature range limits"	Armando Lenz	University of Basel
16:15-16:30	"The evolutionary origin of live-bearing in African True Toads (Anura: Bufonidae)"	Christoph Liedtke	University of Basel
16:30-16:45	"Hybridization and mating pattern in the Adriatic pipefish species <i>Syngnathus taenionotus</i> and <i>S. typhle</i> "	Florian Moser	University of Zürich
16:45-17:00	"Water fleas require microbiota for reproduction, growth and survival"	Alexandra Mushegian	University of Basel
17:00-17:15	"Topo-climatic microrefugia explain the persistence of a rare endemic in the Alps during the last 21 millennia"	Theofania - Sotiria Patsiou	University of Zürich
18:30-open	DARWIN DINNER at QUERFELD HALLE and talk by PHILIPP SARASIN, University of Zürich		

Friday, 8 February

08:30-09:15	Registration		
09:15-10:00	"The biology of plant growth"	Christian Körner	University of Basel
10:00-10:15	"What determines the shape of bird eggs?"	Joel Pick	University of Zürich
10:15-10:30	"Reproductive and metabolic differences between dispersing and philopatric individuals in a bird species"	Charlotte Récapet	University of Lausanne
10:30-11:00	COFFEE BREAK		
11:00-11:15	"Single-gene data filtering for multi-gene phylogenetics: elucidating the higher-level phylogeny of Siluriformes"	Carlos Rivera-Rivera	University of Genève
11:15-11:30	"The genetic basis of an evolutionary novelty in cichlid fishes"	Emilia Santos	University of Basel
11:30-11:45	"The influence of functional leaf traits and mountain association on species richness within the family of Ericaceae"	Orlando Schwery	University of Zürich
11:45-12:00	"Evolutionary dynamics of LTR retrotransposons in response to polyploidy"	Natacha Senerchia	University of Neuchâtel
12:00-12:15	"How do I find a job outside the university"	Dr. Markus Diem; Dr. Birgit Müller; PD Dr. Jürg Spring	
12:15-13:30	LUNCH BREAK		
13:30-14:15	"Cichlid evolution in crater lakes and ecological opportunity"	Marta Barluenga	Natural History Museum Madrid
14:15-14:30	"Phenotypic diversification of the CCN group (Gesneriaceae) in the Brazilian Atlantic forest "	Martha Liliana Serrano Serrano	University of Lausanne
14:30-14:45	"Lake-stream population pairs in cichlids"	Anya Theis	University of Basel
14:45-15:00	"Highly variable floral morphology and production of selfed seeds in the Canarian and Iberian <i>Limonium lobatum</i> "	Barbara Weigelt	University of Zürich
15:00-15:45	COFFEE BREAK and POSTERSESSION		
15:45-16:00	"Adaptive evolution during an ongoing range expansion: the invasive bank vole (<i>Myodes glareolus</i>) in Ireland"	Thomas White	University of Bern
16:00-16:15	"Influences of relatedness and social environment on family odors in the European earwig"	Janine Wong	University of Basel
16:15-16:30	"Genes to traits to ecology"	Samuel Wuest	University of Zürich
16:30-17:15	"Insights into adaptation and speciation from a butterfly genome"	Chris Jiggins	University of Cambridge
17:15	GOODBYE AND FAREWELL		