

TUESDAY, MAY 30th**14:30 – 15:30 Parallel Sessions 1**

	ROOM 1/2 Plasticity Chair: Ellen Decaestecker	ROOM 5 Evolutionary History I Chair: Kat Stewart	ROOM 6 Biophysics I Chair: Pasha van Bijlert
14:30-14:50	1.01 Simon Braem Different types of plasticity affect decision making during oviposition in a niche expanding butterfly	2.01 Jaysmita Saha Structural variants shed light on the evolutionary history of benthic species of Lake Malawi cichlid	3.01 Pasha van Bijlert Physics simulations of the emu reveal a fundamental tradeoff in gait-selection that explains why birds prefer grounded running
14:50-15:10	1.02 Salomé Laboury Clownfish triggers plasticity in the acoustic communication of the three-spot damselfish	2.02 Dorien Aerts The amazing evolutionary diversity of a taxon: Genome sizes of twenty Antarctic amphipod species	3.02 Jana De Ridder Comparative feeding kinematics in Malawi cichlids: how different is suction generation in algae eaters?
15:10-15:30	10.03 Ellen Decaestecker Hierarchical Eco-Evo Dynamics Mediated by the Gut Microbiome	2.03 Wilson Sawasawa Contrasting lake-wide population genomic structure in closely related Malawi cichlids calls for species-specific conservation	3.03 Arne Verdonck Seahorse bio-inspiration: understanding how tissues behave opens up application opportunities

16:00 – 17:00 Parallel Sessions 2

	ROOM 1/2 Correlated traits Chair: Ellen Decaestecker	ROOM 5 Evolutionary History II Chair: Kat Stewart	ROOM 6 Biophysics II Chair: Pasha van Bijlert
16:00-16:20	4.01 Alexandra van der Geer Changing Invaders: how introduced Polynesian rats on islands evolve different skull shape and coat pattern	2.04 Deborah W. E. Dupont Cryptic Diversity, Phylogeography and Genetic Connectivity of <i>Abyssorhynchus distinctus</i> (Pacific Ocean and SE Indian Ridge)	3.04 Sam Van Wassenbergh Cranial kinesis in woodpeckers
16:20-16:40	4.02 Shuwen Han Coping with a changing world: how does the sequence of exposure to stressors determine the evolution of cross protection	2.05 Els De Keyzer Ancestral hybridization in the Sailfin silverside adaptive radiation may have facilitated rapid speciation	3.05 Liliana D'Alba Structural basis behind the bright ornamental white shield in coots
16:40-17:00	4.03 Roel Wouters The Biological Clock and Biting Probability in Pitvipers (Crotalinae): A Behavioural Syndrome in a Global Snakebite Context	2.06 Niladri Mondal Pattern of Body Size Evolution in Teleost Fish	3.06 Johan van Leeuwen Predicting how changes in muscle activation affect tentacle extension in squid

WEDNESDAY MAY 31st....**09:00 – 10:20 Parallel Sessions 3**

	ROOM 1/2 Evo-devo I Chair: Maurijn van der Zee	ROOM 5 Biogeography Chair: Yali Si	ROOM 6 Biophysics III Chair: Jan Kammenga
09:00-09:20	5.01 Shixiong Cheng A major life-history allele shortens developmental time in insects	6.01 Yali Si Migratory herbivorous waterfowl couple the seed wave and the green wave during spring migration	3.07 Arie van der Meijden Testing universal chirality in photonic nanostructures of beetles through a large-scale polarimetric survey
			ROOM 6 Agriculture and invasive species I Chair: Jan Kammenga
09:20-09:40	5.02 Nathalie Leroux Comparison of estetrol and ethinylestradiol on zebrafish (<i>Danio rerio</i>) metamorphosis	6.02 Alexandros Bantounas Using ecological niche modelling to explore dermal armour variation in a family of South African girdled lizards	7.01 Antoine Gekière Trace elements with heavy consequences - A bee perspective
09:40-10:00	5.03 Meiru Wang Nanoplastics causes extensive congenital malformations during embryonic development by passively targeting neural crest cells	6.03 Manon Geerts The biogeography of the widespread African sharptooth catfish using whole genome sequencing	7.02 Karen Bisschop The influence of a biopesticide on the microbiome and niche width of the two-spotted spider mite.
10:00-10:20	5.04 Yuqi Wang Embryonic modification of maternal signals affects prenatal development in birds	6.04 Tim Maes Range shift predictions of <i>Bulinus truncatus</i> , intermediate snail host of human and cattle Schistosomiasis	7.03 Clément Tourbez Variation in the pollen diet of managed bee species along climate gradient in agro-ecosystems

...WEDNESDAY, MAY 31st...

10:50 – 12:10 Parallel Sessions 4

	ROOM 1/2 Evo-devo Chair: Maurijn van der Zee	ROOM 5 Genomics and Bioinformatics I Chair: Chris Barratt	ROOM 6 Agriculture and invasive species I Chair: Jan Kammenga
10:50-11:10	5.05 Michael Richardson Parasitic Fish Embryos 'Dive' On The Yolk To Resist Expulsion From the Host	8.01 Marie Verheye Circumpolar population structure and connectivity of polar cod (<i>Boreogadus saida</i>) in a rapidly changing marine Arctic environment	7.04 Chloé Vescera Agriculture shapes the dietary spectrum of <i>Myotis emarginatus</i> , a bat species originally foraging under dense vegetation cover
11:10-11:30	5.06 Gerben Debruyn A Colorful Exploration of Phasmid Eggs	8.02 Josje Romeijn Genomic insights into Red Panda conservation: genetic health and lineage of European zoo population	7.05 Laurie Araspin Metabolic activity depending on temperature in <i>Xenopus laevis</i> native and invasive populations
11:30-11:50	5.07 Luthfi Nurhidayat Molecular Regulation of Tail Regeneration in the Tokay Gecko (<i>Gekko gekko</i>)	8.03 Chris Barratt Life on the edge: a new informatic toolbox to predict population vulnerability to global change	7.06 Pablo Padilla Which organ drives the inter-individual variation of metabolism and locomotor performance in invasive marsh frogs?
11:50-12:10	5.08 Noé Wambreuse Hemocytes or carotenocytes? Discovery of a new coelomocyte type in sea cucumbers	8.04 Mirte Bosse Decoding the past to safeguard the future	7.07 Fabien Pille Relative influence of amphibian invader densities and habitat heterogeneity on the trophic structure of freshwater communities

...WEDNESDAY, MAY 31st.

13:15 – 14:15 Parallel Sessions 5

	ROOM 1/2 Behaviour Chair: Maurijn van der Zee	ROOM 5 Genomics and Bioinformatics II Chair: Manon de Visser	ROOM 6 Species interactions Chair: Ellen Decaestecker
13:15-13:35	9.01 Xavier Raick Who's yelling? An ichthyological investigation of Polynesian lower mesophotic reefs	8.05 James France Mapping the evolution of the deadly Triturus genome	10.01 Constance Coubris Seasonal correlation between Amphiuira filiformis luminous capabilities and plankton coelenterazine conten
13:35-13:55	9.02 Séverine Renardy Behavioural response of migrating Atlantic salmon smolts when facing hydroelectric barriers and associated hydrodynamic conditions	8.06 Mohammed M. Tawfeeq Intra and interspecific genome size variations among Nepa water scorpions (Insecta: Hemiptera)	10.02 Alexia Lourtie Impact of host separation syndrome on the symbiotic coloration
13:55-14:15	9.03 Vera Thijssen Urban sensory conditions affect both vocal rival interactions and mate choice in túngara frog	8.07 Yelle Vandenboer Developing eDNA metabarcoding as a tool for zero-impact and internationally coordinated biodiversity monitoring	10.03 Steven Declerck Somatic phosphorus content, not homeostatic strength, determines genotype fitness in a phosphorus limited planktonic herbivore.