114th Annual Meeting of the

German Zoological Society

12 - 16 September 2022 | Bonn

Pocket Guide

Abstracts and Program can be downloaded here:

https://dzg-meeting.de/en/programabstracts/



= Student

Interactive Meeting Guide



Monday 12.9.

Lecture Halls | Campus Poppelsdorf

H7 13⁰⁰ 6th ANN Symposium H5/6 13^{00} Terrestrial Locomotion 18^{30}

Tuesday 13.9.

Lecture Halls | Campus Poppelsdorf

6th ANN Symposium

Terrestrial Locomotion H3/4 13⁰⁰ Facets of Biodiversity

Lecture halls & Seminar rooms | Campus Poppelsdorf

Meeting of the DZG Board (13:00 - 15:00)

Meeting of the FG Speakers

(14:00 - 15:00)

Advisory Board Meeting (15:00 - 16:30)

Main Meeting

Campus Poppelsdorf, H1

17⁰⁰ Opening, Welcome

Public Lecture | Markus Lambertz Zoologie in Bonn

Campus Poppelsdorf





Wednesday 14.9.

9⁰⁰ Onur Güntürkün | Bochum, GER Why Birds are Smart H1

10⁰⁰ Anthony Herrel | Paris, FRA

The evolution of cranial design and bite fo in vertebrates: form, function and evolution

Coffee Break

Julia A. Schulz | Bonn, GER Evolution of mammalian hearing is influenced by maio transformations in the chewing biomechanics in the earliest of mammals

Silvana Valtcheva | Köln, GER

Neural circuitry for hormonal release and maternal behavior in mice

 12^{15} Sarah Bank-Aubin | Göttingen, GER Hiding in plain sight - uncovering the diversity across phasmatodean tree of life

Natascha Turetzek | München, GER Genetic basis of spider sense organ development

14⁰⁰ Lunch Break (self-organized)

Intrinsic and

extrinsic drivers of

hypometabolic

SYS H1	PHY H2	EVO H3/4	E
F Schweitzer*	Philinn Lehmann	I Seal	1.5

Discovery of a 00 cryptic species among samples of one of the most common Furonean

Schinkel darkness, shining

5 A Gaze into the light into the Moth

K. Ovenbeck³ Outsider or 14³⁰ mainstream? Larval

development of Palaemon varians i the Baltic and.. C. Höpel³

K. Roberts

Speciation in Variation in winter correlation with cave energy use is immigration in determined by altering a critical mountain shrimps transition period in.

V. Vaibhvi3 Anilkumar* Effect of dietary 15⁰⁰ The millipede genus protein content on Siphonorhinus innate immunity: a Pocock 1894 with mechanistic and the description of a evolutionary new species. perspective

use biological control to keep their seeds clean? S. Nöbel Female fruit flies

Do Harvester ants

A reevaluation of the Loud calls

diffuse coevolution

Trachymyrmex and

Mycetomoellerius

M. Hoiat Ansari

Evolutionary

microbiome

K. Keline

dynamics of the

natural Drosophila

model in

acceptance, but no the rejection, of a Macroevolutionar natterns of bite

nerformance in

copy the

I. Damas-More How to outcome a native lizard? Violence is not always the answer

morphospecies.

Coffee 🗲 Break

The slow evolving xenacoelomorph worm Xenoturbella

P. Schiffer

A. C. Böhringer Analysis of dextran induced inflammatory effects in the intestine of

the red flour beetle.

J. Le Cadre* DNA barcoding speciation in parthenogenetic and sexual

M. Scheumann Sex specific vocal rhinoceros and its implication for mating

SYS | H1 | PHY | H2 | EVO | H3/4 | BEH | H5/6

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orce on	16 ¹⁵	N. Tai A glob habita fragme resear and ar What
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H5/6	17 ³⁰	P. Lu
H5/6 of male keys as ays of y	17 ³⁰	P. Lu Seque chond develo basal

		1	1600	past - genomic insights into extinct oyster diversity	contribute to immunity during exposure to acidified seawater	our backyards: The case of a parasitoid wasp	First insights i the vocal repe of Etruscan sh
	l bite force evolution	1	16 ¹⁵	N. Tan* A global analysis of habitat fragmentation research in reptiles and amphibians: What have we	W. Chang Soluble adenylyl cyclase coordinates intracellular pH homeostasis in calcifying cells of the sea urchin larva	T. Thünken Mating strategies in cichlid fishes: on inbreeding avoidance, preference and selfing	J. Henske* Flying Perfum Makers: On the causes of see collection beh in male orchic (Euglossini)
	l by major in the	1	16³º	F. Ihlow Molecular phylogeny of African Hinge-back Tortoises (Kinixys)	I. Petersen* pH and Na* maintenance in the alkaline midgut of the sea urchin larva: the role of Na'/H'	J. Steidle The emergence of ecotypes in a parasitoid wasp: A complicated matter!	M. Gilles* Can plover ch recognize the of their parent
nternal R ty across the		1	645	P. Arnold Genome-wide, non- coding markers challenge current systematics of afrotherian mammals	M. Hu The proton channel, Otop2L promotes intracellular pH homeostasis critical for skeletogenesis in the sea urchin larva	E. Stolle Recurring adaptive introgression of a supergene variant that determines social organization	S. Kraus Instinctive fea snakes?
					Coffee 🥒	Break	
	l nent			MOR H1	PHY H2	DEV H3/4	BEH ▶ H
_	d) BEH ▶ <mark>H5/6</mark>	1	17 ³⁰	P. Lukas* Sequence of chondrocranial development in basal anurans	P. Steinmetz Yolk formation in a sea anemone provides insights into the evolution of animal nutrient transport	B. Naumann Skin development in non-feeding terrestrial tadpoles of Arthroleptella villiersi and the evolution of	K. Weiss* Strategic pheromone signaling by fo of the sexuall cannibalistic s Argiope bruen
toud verve vocal male T. Fu Do fis tutori cours mollie diffen	L. Schad* Loud calls of male vervet monkeys as vocal displays of male quality T. Fuss	1	17 ⁴⁵	J. Riedel Evolution of incipient toepads and claw morphology in a radiation of ecologically	R. Koll* Transcriptomic response and gill microbial community changes of dominant fish species under	C. Noack* Birth of neurons and formation of the first neuronal circuit in Hydra embryos	A. Angelaka The mating sy of the commo house spider Parasteatoda tepidariorum
	Do fish prefer live tutoring or e- courses? Do Atlantic mollies make a difference between J. Tebbe	1800		A. Schüller Innovation by inflammation? – The formation of a novel egg-anchoring structure in pelvic brooding ricefishes	E. van den Bos* Effects of heat-	A. Klimovich Evolutionary assembly of the neuronal machinery: the role of lineage- specific innovations	
	P. Schultheiss No direction home: how ants perform	1	18 ¹⁵	A. Kaffler* Relationship between skull roof bone microanatomy and ecological traits	G. Martens* The hooded seal brain survives hypoxia by decreasing energy	K. Garschall Nutritional regulation of growth in the sea anemone Nematostella	
No ho		1	830	w. Krings Trophic specialization of Nudibranchia	expenditure and preventing N. Rohner Metabolic Adaptation and Physiological	C. Zellner* Analysis of spatial differences in chromatin	
How to outcompete	I. Damas-Moreira How to outcompete a native lizard?			(Mollusca, Gastropoda) reflected by	Resilience in Animals	accessibility and enhancer activity using ATAC-seq	
Violence is not				Campus	Poppelsdo	rf, H1	

Alkaline guts

Cryptic diversity in

Campus Poppeisdorf, H

Public Lecture | Katrin Böhning-Gaese Biodiversität und Mensch im Anthropozän

Poster Session I (@ TENT, even numbers)

Food and Drinks



