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 13<sup>00</sup> 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 13<sup>00</sup> 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

17<sup>00</sup> Opening, Welcome

**Public Lecture | Markus Lambertz** Zoologie in Bonn

#### **Campus Poppelsdorf**





## Wednesday 14.9.

9<sup>00</sup> Onur Güntürkün | Bochum, GER **Why Birds are Smart** H1

1 \(\int^{00}\) Anthony Herrel | Paris, FRA

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

### Coffee Break

Julia A. Schulz | Bonn, GER Evolution of mammalian hearing is influenced by major 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 the phasmatodean tree of life

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

## 13<sup>00</sup> - 14<sup>00</sup> Lunch Break (self-organized)

(Greifswald, GER)

extrinsic drivers of

hypometabolic

Intrinsic and

K. Roberts

Variation in winter

	F. Schweitzer*
	Discovery of a
1 100	cryptic species
14	among samples of

one of the most common Furonean

15 A Gaze into the darkness, shining light into the Moth

K. Ovenheck<sup>3</sup> Outsider or

14<sup>30</sup> mainstream? Larval development of Palaemon varians is the Baltic and..

C. Höpel<sup>3</sup> Speciation in correlation with cave immigration in

mountain shrimps Anilkumar\*

15<sup>00</sup> The millipede genus Pocock 1894 with the description of a new species.

natural Drosophila microbiome K. Kellner Do Harvester ants

J. Seal

model in

diffuse coevolution

Trachymyrmex and

Mvcetomoellerius.

M. Hojat Ansari

dynamics of the

**Evolutionary** 

use biological genotype and control to keep their relatedness in odour seeds clean? cues of Antarctic fur S. Nöbel P Schultheiss

A reevaluation of the Loud calls of male

vervet monkeys as

vocal displays of

Do fish prefer live

male quality

tutoring or e-

J. Tebbe

mollies make a

Effects of MHC

difference betweer

T. Fuss

copy the energy use is accentance, but no determined by the rejection, of a altering a critical transition period in.

P. Rühr\*

insects

V. Vaibhvi\* Effect of dietary protein content on innate immunity: a mechanistic and evolutionary perspective

sulfate sodium-

the red flour beetle.

induced

Female fruit flies No direction home how ants perform systematic searches

I. Damas-Moreira Macroevolutionar How to outcompete a native lizard? natterns of bite nerformance in Violence is not always the answer

#### Coffee / Break

P. Schiffer

The slow evolving 45 genome of the xenacoelomorph worm Xenoturhella

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

J. Le Cadre\* DNA barcoding shows evidence for speciation in parthenogenetic and sexual

morphospecies.

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

#### SYS | H1 | PHY | H2 | EVO | H3/4 | BEH | H5/6 C. Ewers The ghost of oysters Alkaline guts 1600 past - genomic contribute to insights into extinct immunity during exposure to ovster diversity acidified seawater N. Tan\* W. Chang A global analysis of Soluble adenylyl habitat cyclase coordinate fragmentation intracellular pH research in reptiles homeostasis in and amphibians: calcifying cells of What have we. the sea urchin larva F. Ihlow I. Petersen\* Molecular pH and Na\* 16<sup>30</sup> phylogeny of African maintenance in the Hinge-back alkaline midgut of Tortoises (Kinixys) the sea urchin larva: the role of Na<sup>+</sup>/H<sup>+</sup> P. Arnold Genome-wide non-16<sup>45</sup> coding markers The proton channe Otop2L promotes challenge current intracellular nH systematics of homeostasis critical afrotherian for skeletogenesis in the sea urchin larva Coffee 🖉 Break MOR H1 PHY H2 P. Lukas\* P. Steinmetz Sequence of Yolk formation in a 17<sup>30</sup> chondrocranial sea anemone development in provides insights into the evolution of SYS | H1 | PHY | H2 | EVO | H3/4 | BEH | H5/6 animal nutrient transport J. Riedel R. Koli\* Evolution of Transcriptomic incinient toenads response and gill and claw microbial morphology in a community changes of dominant fish radiation of ecologically species under A. Schüller E. van den Bos\* Innovation by Effects of heatcourses? Do Atlantic inflammation? - The shocks on

formation of a novel egg-anchoring

structure in pelvic

between skull roof

bone microanatomy

and ecological traits

A. Kaffler<sup>3</sup>

Relationship

brooding ricefishes

sociometry in the Cardiocondyla obscurior G. Martens\*

The hooded seal

decreasing energy

expenditure and

brain survives

hypoxia by

preventing..

neuronal machinery the role of lineagespecific innovations K. Garschall Nutritional regulation of growth

in the sea anemone

Nematostella

vectensis

C. Zellner\*

M. Pollmann

Cryptic diversity in

our backyards: The

case of a parasitoid

Mating strategies in

cichlid fishes: on

preference and

The emergence of

parasitoid wasp: A

complicated matte

Recurring adaptive

introgression of a supergene variant

social organization

**DEV** H3/4

Skin development i

terrestrial tadpoles

Birth of neurons and

formation of the first

neuronal circuit in

Hydra embryos

A. Klimovich

assembly of the

Evolutionary

of Arthroleptella

villiersi and the

evolution of.

C. Noack\*

B. Naumann

non-feeding

that determines

inbreeding

avoidance,

J. Steidle

E. Stolle

ecotypes in a

selfing

First insights into

the vocal repertoire

of Etruscan shrews

J. Henske<sup>3</sup>

Flying Perfume

Makers: On the

causes of scent

(Euglossini)

M. Gilles

S. Kraus

collection behavior

in male orchid bees

Can ployer chicks

of their parents?

Instinctive fear of

BEH | H5/6

signaling by females

cannibalistic spide

Argiope bruennichi

A. Angelakakis\*

of the common

house spider

Parasteatoda

tenidariorum

of the sexually

K. Weiss\*

Strategic

recognize the smell

W. Krings 18<sup>30</sup> specialization of Trophic (Mollusca.

Gastropoda

N. Rohnei Metabolic Adaptation and Physiological Resilience in Animals

Analysis of spatial differences in chromatin accessibility and enhancer activity

reflected by. Campus Poppelsdorf, H1

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

Poster Session I (@ TENT, even numbers)

Food and Drinks



