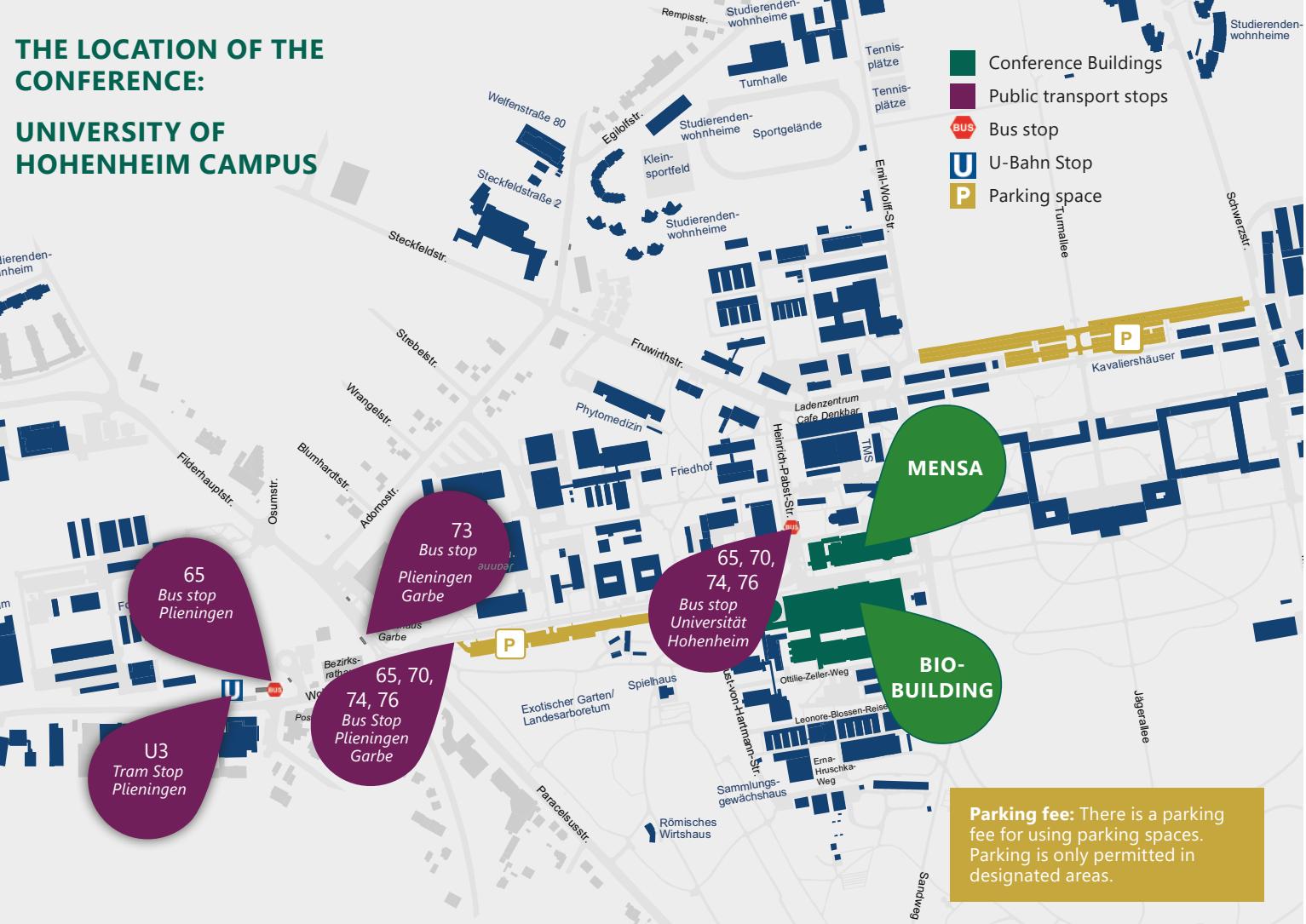
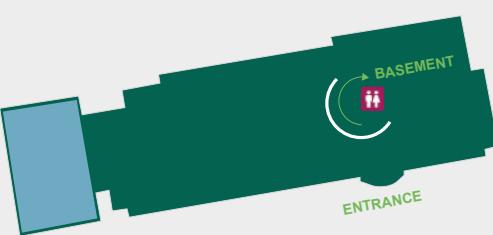


THE LOCATION OF THE CONFERENCE:

UNIVERSITY OF HOHENHEIM CAMPUS



MENSA



BIO-BUILDING



The DZG2024 is funded by



VENUE TO THE STUTTGART STATE MUSEUM OF NATURAL HISTORY (SMNS)

Museum am Löwentor

Arrival by public transport

- S-Bahn-Linien S4, S5, S6 / Stop „Nordbahnhof“
- Straßenbahnlinie U12 / Stop „Nordbahnhof“
- Straßenbahnlinie U13, U16 / Stop „Löwentor“

Arrival by car

Parking area in the Ehmannostraße (70191 Stuttgart – crossroad Ehmannostraße/Nordbahnhofstraße).

There is a limited number of parking spaces next to the museum (the barrier stays opened on Mondays).

Schloss Rosenstein

Arrival by Public Transport

- Straßenbahnlinie U1, U2, U14: Stop „Mineralbäder/ Naturkundemuseum“
- S-Bahn-Linien S1, S2, S3: Stop „Bad Cannstatt“

Arrival by Car

Parking garage Wilhelma zoo (Wilhelma 13, 70376 Stuttgart). It is open day and night.

... THURSDAY, SEPTEMBER 12TH, 2024

2.00 – 4.00 pm SUBJECT GROUP TALKS							
B1	Ev	B2	M	Ö1	S	Ec	D
Elizaveta Skalon*	41	Julia Barutia*	49	Anna Torgasheva	57	Janka Plate*	65
How parasitism shapes spiralian: the story of Orthonecota		Life with long appendages: functional, kinetic and morphological adaptations in house centipedes		Keep or lose: Inheritance and elimination of songbird germline-restricted chromosome		Costly Courtship: Condition Dependence of a Multimodal Courtship Signal in a Parasitoid Wasp	
Marie Pollmann	42	Thies H. Büscher	50	Sarah Bank	58	Paul Huber*	66
Host-dependent variations in Spiroplasma-induced CI expression in the <i>Lariophagus distinguendus</i> species complex		Expanding the phasmato-dean tree of life: new insights from targeted enrichment in stick and leaf insects		Leaving No One Behind – Social Dispersal in a burying beetle		Tobias Prüsér*	67
Yifan Pei	43	Julian Thomas*	51	Svetlana Gruetze*	59	Social environment effects the substantial individual variation in clock-controlled behaviour of <i>Tribolium castaneum</i>	
Occasional paternal inheritance of the germline-restricted chromosome in songbirds		Unravelling structural and mechanical properties of attachment pads in the stick insect <i>Medauroidea extradentata</i>		Crabs on Crete: How apparent taxonomic contradictions led to new paleobiogeographical insights in the Aegean region		Susanne Dobler	68
Julius Rombach*	44	Jeanne Wilbrandt	52	Matteo Putignano*	60	ABCB transporters and the transport network for sequestered cardenolides	
Evolutionary transcriptomics of sociality in carrion beetles		What makes him care? Unraveling male care behavioral syndromes in a simple family system		Small worms, big surprises: Uncovering Hidden Diversity within the genus <i>Amphiglenia</i> (Sabellidae: Annelida)		Maximilian Körner	69
Maximilian Körner	45	Ana Zippel	53	Ekin Tilic	61	Dusting Off the Phylogeny of Feather Dusters	
What makes him care? Unraveling male care behavioral syndromes in a simple family system		Diversity of mandibles of beetle larvae		Jan Philipp Geißel*	70	InsectMow - Development and Evaluation of insect- and spider-friendly mowing techniques	
Jacqueline Sahn	46	Isabelle Maiditsch	54	Lea von Berg*	62	Trends in early larval traits and responses to chronic vs. acute exposure across a latitudinal gradient: the European shore crab <i>Carcinus maenas</i>	
Scent-sational drama: Larval chemical signals and their effect on maternal behavior		Shedding X-ray light on the sound-induced motion patterns of hearing structures in fish, focusing on the saccular otolith in three catfish species		Noé Espinosa-Novo	71	Foetal adaptations to matrotrophic viviparity in the Nimba toad revealed by grating-base phase contrast	
NHamo Muttingwende*	47	Benjamin Naumann	63	Attila Placido Sachslehner	72	How to succeed in novel habitats? Successful development through alternative pathways	
Exploring the condition-dependence of chemical alarm cues in a freshwater gastropod		Morphology and Foraging Behaviour in Ants: A Model for Future Functional Trait Studies		A Burden to be a fish? - Riedl's Burden tested using Anatomical Networks and heterochrony analyses of the actinopterygian cranium		Maximilian Stüwe*	64
Daniel Schwarz	48	Georg Brenneis	56	Developmental gene expression patterns illuminate the evolutionary origin of the proboscis in sea spiders (Chelicerata, Pycnogonida)		A Burden to be a fish? - Riedl's Burden tested using Anatomical Networks and heterochrony analyses of the actinopterygian cranium	
Beyond mammals: The surprising complexity of chewing and other oropharyngeal processing mechanisms		Developmental gene expression patterns illuminate the evolutionary origin of the proboscis in sea spiders (Chelicerata, Pycnogonida)		Attila Placido Sachslehner	72	The evolution of cornified skin appendages was associated with the origin and loss of transglutaminases in vertebrates	
4.15 – 4.45 pm POSTER PITCH ODD & EVEN	AUDIMAX						
4.45 – 6.15 pm POSTER SESSION ODD	MENSA						
6.15 – 7.45 pm POSTER SESSION EVEN	MENSA						

FRIDAY, SEPTEMBER 13TH, 2024

9.00 – 11.00 am | PLENARY LECTURES

Philipp Engel
Specialized gut microbiota-host interactions in social bees



Photos: University of Lausanne (top), Elvira Eberhardt (bottom)

Lena Wilfert
Bees, bugs and pollination: how global change can affect population health and disease ecology



11.15 – 11.55 pm | SUBJECT GROUP MEETING

N	D	S	Ec	Ö2
B1	B2	Ö1	Ö2	

LUNCH

12.00 – 12.45 pm | SUBJECT GROUP MEETING

Ev	M	B	P	Ö2
B1	B2	Ö1	Ö2	

LUNCH

01.00 – 02.30 pm | ROUND TABLE DISCUSSION #IchBinHanna



COFFEE BREAK

3.00 – 5.00 pm | MULTIDISCIPLINARY SESSION Adaptation - Diversification - Sensation



Max S. Farnworth
Distinct selection regimes shaping the evolution of integrative centres in the brains of Heliconiini butterflies



Nico Posnien
Natural variation in apoptosis control underlies intraspecific eye size differences in *Drosophila melanogaster*



Alexander Kupfer
Evolutionary implications of "lactation" in a non-mammalian vertebrate



Joachim Ruther
Sublethal effects of insecticides on sexual communication and host finding in parasitoid wasps



Nora Schulz
The impact of niche construction on the adaptation to bacterial pathogens in flour beetles



Benjamin Wipfler
Evolution of the hexapod tracheal system



Patrick Schultheiss
Fine-scale navigation: searching ants are guided by the visual environment



Christina Böhringer
Analysis of the DUOX pathway in *Tribolium castaneum*



5.15 – 6.15 pm | DZG GENERAL MEETING



7.30 pm – OPEN END
CLOSING EVENT
STUDENT AWARDS



* Student Talk (eligible for the Student Awards)

Subdisciplines of modern Zoological Science

B	Behavioral Biology	M	Morphology
D	Developmental Biology	N	Neurobiology
Ec	Ecology	P	Physiology
Ev	Evolutionary Biology	S	Systematic, Biogeography Diversity