

## Tue 18 Feb - arrival day

19:00 - 22:00

Registration and icebreaker

Gasthausbrauerei Neckarmüller, Gartenstraße 4

## Wed 19 Feb - day one

\* Gwinner prize candidates

Theologicum Bibliothek

08:30 - 09:00

Registration, welcome coffee, *put up your poster* (from 08:00)

Foyer

09:00 - 09:10

Welcome address

Auditorium

09:10 - 10:00

K1

*Keynote, chaired by Claudio Tennie*

Auditorium

**Zanna Clay** - The evolution and development of empathy: Insights from our great ape relatives

10:00 - 10:15

T1

*Contributed talks, chaired by Claudio Tennie*

Auditorium

**Cristina Tuni** - Alternative male mating strategies: testing how variation in sex ratio affects spider nuptial gifts

10:15 - 10:30

T2

**Timo Thünken** - Natural, sexual and kin selection shape parental cooperation during breeding site construction in a biparental cichlid fish

10:30 - 11:00

Morning break

Foyer

11:00 - 11:15

T3

*Contributed talks, chaired by Alba Motes*

Auditorium

**Katharina Brecht** - Cognitive control of vocalisations in the corvid songbird

11:15 - 11:30

T4

**Petri Niemelä** - Density-dependent costs and benefits of male attractiveness in a wild insect

11:30 - 11:45

T5

**Vanessa Wilson** - Development of a monkey avatar to study social perception in macaques

11:45 - 12:00

T6

**Luca Melotti** - Genetic background and individuality affect the composition, structure and temporal consistency of courtship songs in male mice

12:00 - 12:15

T7

**\*Alexandre da Silva Machado** - Homophily around specialized foraging underlies dolphin social preferences

12:15 - 12:30

T8

**\*Till Raab** - Dominance, activity patterns, and electrocommunication in an electric fish

12:30 - 13:15

Lunch break

Foyer

13:15 - 13:30

Group picture

Foyer

13:30 - 13:45

T9

*Contributed talks, chaired by Jan Grewe*

Auditorium

**\*Valerie Finke** - Individual consistency in the cognitive abilities of individual honey bees across elemental and non-elemental learning paradigms

13:45 - 14:00

T10

**Hanja Brandl** - Information sharing, social relationships, and stress—new insight and perspectives on zebra finch sociality

14:00 - 14:15

T11

**Nina Kniel** - Is there a connection between individual personality and learning ability in female guppies, *Poecilia reticulata*?

14:15 - 14:30

T12

**\*Magdalena Matzke** - Uncovering genetic correlations between pre- and post-mating reproductive traits in a field cricket

14:30 - 15:00

Afternoon break

Foyer

15:00 - 15:15

T13

*Contributed talks, chaired by Nico Michiels*

Auditorium

**Gabriele Uhl** - Alternative mating tactics in a cannibalistic widow spider

15:15 - 15:30

T14

**\*Judith Janisch** - New approaches for the 3D capture and analysis of courtship displays

15:30 - 15:45

T15

**Niels Dingemanse** - Non-consumptive effects of predation: does perceived risk strengthen the genetic integration of behaviour and morphology in stickleback?

15:45 - 16:00

T16

**Scarlett Howard** - Numerical cognition in honeybees

16:00 - 18:30

P1 - P59 poster presentations

Poster rooms A + B

19:00 - 20:30

K2

*Public keynote, chaired by Nico Michiels*

Auditorium

**Iain Couzin** - Collective minds: revealing unifying principles of decision-making in animal and neural collectives

## Thu 20 Feb - day two

\* Gwinner prize candidates

Theologicum Bibliothek

08:30 - 09:00		Welcome coffee	Foyer
09:00 - 09:10		Invitation to the 16 <sup>th</sup> Annual Meeting of the Ethological Society 2021	Auditorium
09:10 - 10:00	K3	Keynote, chaired by Katharina Foerster <b>Judith Korb</b> – The secret of a long, fecund life: Why termite queens can live so long!	Auditorium
10:00 - 10:15	T17	Contributed talks, chaired by Katharina Foerster <b>*Mohannad Dardiry</b> - Plasticity, killing and kin selection shape interaction strategies of predatory nematodes	Auditorium
10:15 - 10:30	T18	<b>Morgane Nouvian</b> - Recruitment during honeybee colony defence	
10:30 - 11:00		Morning break	Foyer
11:00 - 11:15	T19	Contributed talks, chaired by Nils Anthes <b>Annette Denzinger</b> - Redesign of sender and receiver antennae for low frequency echolocation at small body size opens a new niche space in horseshoe bats of the philippinensis group	Auditorium
11:15 - 11:30	T20	<b>Valeria Mazza</b> - Small mammals in the big city: behavioural adjustments of non-commensal rodents to urban environments	
11:30 - 11:45	T21	<b>Francesca Santostefano</b> - Social selection on phenology in a wild great tits population	
11:45 - 12:00	T22	<b>Holger Goerlitz</b> - Sound is in the air: interspecific acoustic information networks of bats and insects	
12:00 - 12:15	T23	<b>Stefan Greif</b> - Technological approaches to study sensory aspects of foraging behaviour in wild bats	
12:15 - 12:30	T24	<b>*Theresa Hügel</b> - Timing and variability of evasive flight in eared moths	
12:30 - 13:00		Lunch break	Foyer
13:00 - 14:00		<b>Choose 1 of 2</b> <b>1. Meet the speaker</b> for students (enter name in list) <b>2. EthoGes Member Meeting</b>	(list at info desk) Auditorium
14:00 - 14:15	T25	Contributed talks, chaired by Jan Benda <b>Melanie Dammhahn</b> - Who takes the risk in a landscape of fear?	Auditorium
14:15 - 14:30	T26	<b>Jana Eccard</b> - The timid invasion	
14:30 - 14:45	T27	<b>Alba Motes-Rodrigo</b> - Learning mechanisms and the origins of our culture	
14:45 - 15:00	T28	<b>Sabrina Engesser</b> - Open compositionality in bird call combinations: seeds of language-like generativity	
15:00 - 15:30		Afternoon break	Foyer
15:30 - 16:20	K4	Keynote, chaired by Jan Benda <b>Ana Silva</b> - The neuroendocrine control of the gonadal independent territorial aggression of the weakly electric fish, <i>Gymnotus omarorum</i>	Auditorium
16:20 - 16:30		<b>Closing &amp; Prizes</b>	Auditorium
16:30 - 19:00		Break (optional museum tour - register at conference desk)	
19:00 - 22:00		<b>Farewell event</b>	Rittersaal Castle Hohentübingen

## Fri 21 Feb - departure day

09:15 - 12:00	<b>Lab tours</b> (fully booked - ask at desk)	E-Building, Campus Auf der Morgenstelle
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# Posters presented on Wed 19 Feb at 16:00 - 18:30

\* Gwinner prize candidates

Poster rooms A + B

P1	Baier	Perfect timing? Behavioural and neuronal integration time in bat vocal communication
P2	Barthold	Description and comparison of the predatory behavior of some Central European rove beetles (Coleoptera, Staphy
P3	*Beleyur	Active Sensing in groups: (what) do bats hear in the sonar cocktail party nightmare?
P4	Beyer	From sexual stimulation to mate location: the role of female silk draglines in a hunting spider
P5	*Bračić	The effect of different enrichment regimes on welfare-related measures in mice
P6	Bründl	Is aggressiveness sexy?
P7	Cantor	Resilience of dolphin cultural behaviour to demographic and environmental changes
P8	*Chang	Behavioral responses of acuminata horseshoe bats to sexually dimorphic echolocation calls
P9	*De Framond	Do bats compensate for weather-induced variations in sound attenuation to maintain detection distance?
P10	*Dehnen	The impact of early-life environment on pair-bond quality, mating decisions and reproductive investment in zebra f
P11	Eble	Complexity of ultrasonic vocalizations of adult hispid cotton rats ( <i>Sigmodon hispidus</i> ) depend on social context
P12	Eggert	Gutter science: Interspecific differences in larval dispersal distance and behavior in burying beetles
P13	Engel	What is shaping skin bacterial communities in estrildid finches? - A search for traces on environmental, social and g
P14	Fadel	A new gene for repeatable activity patterns in mice
P15	Farine	The multilevel society of a small-brained bird: new insights from a previously unstudied species
P16	*Fleischer	Comparison of the echolocation behaviour of <i>Rhinolophus pusillus</i> and <i>Hipposideros grandis</i> when foraging for pre
P17	*Ghosh	Cost of brood transport in an Indian ant during relocation
P18	*Gilles	Preen oil composition vary between seasons and sexes, but why? A review
P19	*Göbl	Natural habitat preference correlates with dominance in the electric fish <i>Apteronotus macrostomus</i>
P20	*Groneberg	Challenging the novel object test by linking behaviour and stress hormone measurements
P21	*Gultekin	Vocal development in marmoset monkeys — revisited
P22	*Hadedank	The mouse positioning surveillance system (MoPSS): an RFID based tracking system for home cage-based choice te
P23	He	A network-based model for depicting animal habitat configuration
P24	*Hubancheva	Anti-predator behavior in male bushcrickets is adapted to threat and age to optimize reproduction
P25	*Hutfluss	The individuality in stability: Residual within-individual variance in birdsong and how it relates to male quality
P26	*Jenikejew	Interview with a rhino – establishing communication structure and call functionality in a semi-social species ( <i>Cerat</i>
P27	Josi	Social structure, relatedness and helping behaviour in the cooperatively breeding cichlid <i>Neolamprologus savoryi</i>
P28	*Kahnau	Home cage-based consumer demand test to investigate the strength of preferences in mice
P29	King	Factors influencing circatidal behaviour in the littoral arthropod <i>Anurida maritima</i>
P30	Krapp	A fly robotic interface to study multisensory motor control
P31	Liedtke	Modeling the interplay between cognitive styles and dispersal
P32	Lüdtke	Male mate choice in alpine newts
P33	Mieske	A semi naturalistic environment as an alternative housing condition for laboratory animals?
P34	Mysuru	Quantifying changes in echolocation call parameters of free-flying horseshoe bat groups
P35	Nagel	A fine place makes a fine bird: case study of a raven breeding pair's response to an environmental change
P36	Nawroth	Goats with different selection objectives differ in their behavioural flexibility
P37	Nemeth	Dietary fatty acids modulate steroid hormone concentrations and their relations to the structural and behavioral d
P38	*Neumann	Alternative mating tactics in a spider with sexual cannibalism: the role of genital morphology
P39	*Ogino	Parental provisioning behaviour and inheritance of social networks in a colonially-breeding bird
P40	*Oswald	"There's no place like home" - habitat type and size affect antipredator behaviour in larval fire salamanders ( <i>Salam</i>
P41	*Papageorgiou	Testing the leadership according to need hypothesis in a wild bird
P42	*Pathak	Ant's behavioural plasticity led to the resolution of their traffic jam
P43	Pethig	Influence of adult sex ratio on social relationships within and between the sexes
P44	Pilz	Learning behaviour of mice in multiple T- versus Y-mazes
P45	Prox	Female competition in red-fronted lemurs
P46	*Pust	Chicken and quails as roommates: A rearing condition affects welfare and behaviour
P47	*Rossi	Effects of pre-mating and post-mating selection on sexual behaviours of the field cricket ( <i>Gryllus bimaculatus</i> )
P48	Royauté	New tools for estimating and comparing behavioral variation
P49	*Santacà	Visual illusions as a tool to investigate how teleost fish see the world
P50	Schöppler	Doppler shift compensation and behavioural audiogram of the low frequency horseshoe bat <i>Rhinolophus paradoxo</i>
P51	Schweinfurth	Revisiting the theory of reciprocity
P52	Schwing	Categorizing familiar and unfamiliar human faces in kea parrots ( <i>Nestor notabilis</i> )
P53	Siutz	Maternal care and juvenile development in common hamsters
P54	Vellnow	Male mate choice for heavy females in a lekking insect species
P55	*Walter	Energy intake and sugar concentration discrimination in the nectar-feeding bat <i>Leptonycteris yerbabuena</i>
P56	Wang	Visual brain areas in larval zebrafish sample the lower and the upper visual field unequally in support of hunting an
P57	Weerdmeester	Electrocommunication in <i>Gymnorhamphichthys rondoni</i> in the wild
P58	*Wurm	Dominance in habitat preference and diurnal explorative behavior of the electric fish <i>Apteronotus leptorhynchus</i>
P59	*Ziegler	Impact of the two antidepressants citalopram and venlafaxine on brown trout ( <i>Salmo trutta f. fario</i> ) and great ram