

# 14th Annual Meeting of the Ethologische Gesellschaft

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## Linking Animal Behaviour to Biodiversity, Evolution, Conservation and Welfare

### Scientific Program:

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Wednesday, February 6<sup>th</sup>, 2019

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12:00 - 13:30 Registration

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#### WELCOME

13:30 - 13:45 *Dr. Dr. h.c. G. Greif* (President of the University of Veterinary Medicine)  
*U. Radespiel & M. Scheumann*

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*Chair: D. Schmidtke*

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#### PLENARY TALK

13:45 - 14:45 **The mind of the bee** [1]

*L. Chittka*

#### CONTRIBUTED TALKS

14:45 - 15:00 **Need for speed: Short lives selects for increased learning abilities** [2]

*J. Liedtke & L. Fromhage*

15:00 - 15:15 **Poeciliids playing tiddlywinks – sex and species differences in color discrimination and reversal learning in *P. reticulata*, *P. latipinna* and *P. mexicana*.** [3]

*T. Fuss & K. Witte*

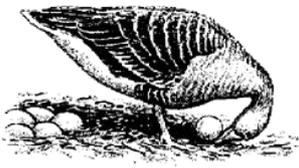
15:15 - 15:30 **Is the glass half full or half empty? New tools to assess cognitive judgement bias in mice** [4]

*V. Krakenberg, I. Klassen, L. Garcia Rodriguez, N. Kästner, S. Kaiser, N. Sachser, & S. H. Richter*

15:30 - 15:45 **One task to test them all? Performance of different goat breeds in an instrumental problem-solving task** [5]

*K. Rosenberger, C. Nawroth, J. Langbein, & N. Keil*

15:45 - 16:15 COFFEE & TEAK BREAK



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Chair: H. Pröhl

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- 16:15 - 17:15 **PLENARY TALK**  
**Frogs have flexible rules: Social plasticity in calls and preferences** [6]  
*G. Hoebel*
- 17:15 - 17:30 **CONTRIBUTED TALKS**  
**Do maternal hormones in eggs correlate with offspring fitness?** [7]  
*P. Korsten, J. Komdeur, T. G. G. Groothuis, & B. de Jong*
- 17:30 - 17:45 **The effect of previous reproductive effort on the ability of parents to compete for winter food** [8]  
*R. W. Fokkema, R. Ubels, W. de Jager, J.M. Tinbergen*
- 17:45 - 18:00 **Fitness consequences of seasonally different life histories: A match-mismatch experiment in female wild cavies** [9]  
*A. Guenther & L. Eweleit*
- 18:00 - 20:00 **POSTER SESSION (with Beverages and Snacks)**
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**Thursday, February 7<sup>th</sup>, 2019**

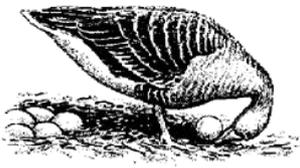
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- 8:00 - 9:15 Registration
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Chair: S. Schmidt

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- 9:15 - 10:15 **PLENARY TALK**  
**Long-term field studies in bat research: importance for basic and applied research questions in animal behavior** [10]  
*G. Kerth*
- 10:15 - 10:30 **CONTRIBUTED TALKS:**  
**These soles are made for warning: an uncommon case of aposematism in a Neotropical toad** [11]  
*D. C. Rößler, S. Lötters, J. Mappes, J. Valkonen, M. Menin, A. P. Lima, & H. Pröhl*
- 10:30 - 10:45 **From local collective behaviour to global migratory patterns in white storks** [12]  
*A. Flack, M. Nagy, W. Fiedler, I. D. Couzin, & M. Wikelski*
- 10:45 - 11:00 **Active photolocation in diurnal fishes: Seeing more by redirecting light** [13]  
*N. K. Michiels, P.-P. Bitton, R. Fritsch, U. K. Harant, & M. Santon*



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11:00 - 11:15 **Effects of acute and chronic hypoxia exposure on active electric sensing in weakly electric fishes** [14]  
*R. Krahe, K. L. Ackerly, T. L. Moulton, & L. J. Chapman*

11:15 - 11:45 COFFEE & TEAK BREAK

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*Chair: U. Radespiel*

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CONTRIBUTED TALKS:

- 11:45 - 12:00 **DAWCon a Dynamic Animal Welfare Concept** [15]  
*F. J. van der Staay, N. Endenburg, V. C. Goerlich-Jansson, & S. S. Arndt*
- 12:00 - 12:15 **Welfare through physical enrichments in captive red foxes (*Vulpes vulpes*) in the frame of oral rabies vaccine study** [16]  
*V. Schöler, C. M. Freuling, T. Müller, & E. T. Krause*
- 12:15 - 12:30 **Use of human-given cues by different goat breeds** [17]  
*C. Nawroth, K. Rosenberger, N. Keil, & J. Langbein*
- 12:30 - 12:45 **The importance of early life experiences for the development of behavioural disorders in domestic dogs** [18]  
*L. Dietz, A. K. Arnold, V. C. Goerlich-Jansson, & C. M. Vinke*
- 12:45 - 13:00 **Citizen Science generates gains in knowledge for science and education: a cross-section of different projects** [19]  
*D. Frigerio, V. Puehringer-Sturmayr, G. Gegendorfer, J. Rittenschober, G. Szapl, B. Neuböck-Hubinger & K. Hirschenhauser*

13:00 - 14:30 LUNCH

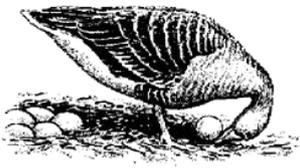
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*Chair: T. Krause*

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CONTRIBUTED TALKS:

- 14:30 - 14:45 **Know the enemy and know yourself: models of contest resolution in *Lucanus cervus*** [20]  
*F. Romiti, L. Redolfi De Zan, & G. M. Carpaneto*
- 14:45 - 15:00 **Vibratory courtship and mate choice in the nursery web spider *Pisaura mirabilis*** [21]  
*M. J. B. Eberhard, A. Machnis, T. A. Möller, & G. Uhl*
- 15:00 - 15:15 **Mate-choice copying in sailfin mollies: new insights into a fascinating mate-choice strategy** [22]  
*S. Gierszewski & K. Witte*
- 15:15 - 15:30 **Mate choice in the public: does distance matter?** [23]  
*K. Witte, M. Keil, J. Gürke, & S. Gierszewski*
- 15:30 - 15:45 **Mate choice for boldness in a bi-parental cichlid (*Pelvicachromis pulcher*) and its reproductive consequences** [24]  
*U. Scherer, M. Kuhnhardt, & W. Schuett*



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- 15:45 - 16:00 **The burden of female attraction in moor macaque (*Macaca maura*)** [25]  
*L. Germani, M. Heistermann, & M. Carosi*
- 15:45 - 17:00 COFFEE & TEAK BREAK
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*Chair: U. Radespiel*

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- 17:00 - 18:00 **PUBLIC LECTURE:  
Die Sprache der Elefanten aus Sicht der Verhaltensforschung** [26]  
*A. Stöger-Horwath*
- 19:00 - 22:00 **CONFERENCE DINNER**  
*Meyers Hof, Zoo Hannover*
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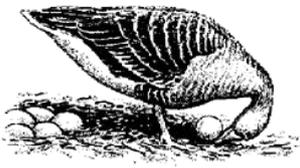
**Friday, February 8<sup>th</sup>, 2019**

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*Chair: M. Scheumann*

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- 9:15 - 10:15 **PLENARY TALK  
The evolution of size communication in sexually-selected mammal vocalisations** [27]  
*D. Reby*
- 10:15 - 10:30 **CONTRIBUTED TALKS:  
The role of social calls for species discrimination in the sympatrically living, neotropical bats *Carollia perspicillata*, *Carollia sowelli* and *Carollia castanea*** [28]  
*T. Bosia & S. Schmidt*
- 10:30 - 10:45 **Interview with a rhino – How vocalisations reflect social interactions in the captive Southern white rhinoceros (*Ceratotherium simum simum*)** [29]  
*J. Jenikejew, B. Chaignon, S. Linn & M. Scheumann*
- 10:45 - 11:00 **Agonistic calls: suitable tools to discriminate cryptic species in the smallest-bodied primate radiation, the mouse lemurs.** [30]  
*A. Hasiniaina, M. Rina Evasoa, M. Scheumann, B. Randrianambinina, S. Rasoloharijaona, U. Radespiel & E. Zimmermann*
- 11:00 - 11:15 **Olfactory offspring recognition in a male songbird** [31]  
*S. Golüke, H.-J. Bischof, J. Engelmann, M. Inhofer, U. Mayer, & B. A. Caspers*



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11:15 - 11:45 COFFEE & TEAK BREAK

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*Chair: M. Dammhahn*

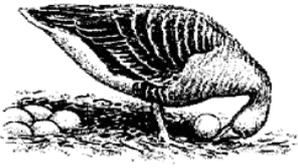
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- CONTRIBUTED TALKS:
- 11:45 - 12:00 **How does structural variation in the genome change mouse personality?** [32]  
*M. Keshavarz, R. Krebs, & D. Tautz*
- 12:00 - 12:15 **Fear but not social behaviour is affected by a polymorphism in the 5'-flanking region of the serotonin transporter (5-HTT) gene in adult hens** [33]  
*E. T. Krause, J. B. Kjaer, A. Dudde, L. Schrader, & L. Phi-van*
- 12:15 - 12:30 **A brain without serotonin – effects on female aggression** [34]  
*N. Kästner, S. H. Richter, S. Kaiser, & N. Sachser*
- 12:30 - 12:45 **Linking skin bacterial profiles and preen gland odours of common buzzard chicks** [35]  
*K. Engel, N. Chakarov, S. Jünemann, O. Krüger, J. Sauer, & B. A. Caspers*
- 12:45 - 13:00 **Social communication via gut instinct: What can we learn from gut symbionts about their avian host?** [36]  
*Ö. Maraci & B. Caspers*
- 13:00 - 13:15 **The interplay of sociality, ecology, hormones and the gut microbiome composition of wild Verreaux's sifakas** [37]  
*K. Rudolph, C. Fichtel, M. Heistermann, D. Schneider, R. Daniel, & P. M. Kappeler*
- 13:15 - 14:45 LUNCH
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*Chair: N. Sachser*

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- CONTRIBUTED TALKS:
- 14:45 - 15:00 **On the interplay of predation risk and relatedness as drivers of complex group structure in a cooperative breeder** [38]  
*J. G. Frommen, D. Josi, J. Flury, F. Heussle, & M. Taborsky*
- 15:00 - 15:15 **Aggressive, explorative and fearless? - Correlations of personality types in zebra finches** [39]  
*S. Kraus & O. Krüger*
- 15:15 - 15:30 **Social experience matters: effect of rearing style and early familiarization on the development of social behaviour in young ravens (*Corvus corax*)** [40]  
*P. H. Boucherie, C. Blum, & Bugnyar T.*



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| 15:30 | - 15:45 | <b>Consistency of behavioural and salivary cortisol responses to the novel object test in captive African elephants [41]</b><br><i>S. Hambrecht, A.-K. Oerke, M. Heistermann, T. Kauffels, A. Lawrenz, S. Merz &amp; P. W. Dierkes</i> |
| 15:45 | - 16:00 | <b>Revisiting the possibility of reciprocal help in non-human primates [42]</b><br><i>M. K. Schweinfurth &amp; J. Call</i>   |
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| 16:00 |         | <b>CLOSING</b><br><i>S. Schmidt</i>  |
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