



AG Zimmermann

Research topics

Behavioral Ecology and Conservation Genetics

- role of communication and cognition in speciation and adaptation
- mating and social systems, female dominance, genetic paternal and parental analyses
- ecological niche modeling
- geographical variation and behavioral plasticity
- habitat fragmentation
- phylogeny, phylogeography and conservation genetics
- management and breeding of mouse lemurs

regional focus: Madagascar, Malaysia

Biocommunication / Psychoacoustics

- evolution of non-verbal communication, music and speech
- natural, sexual and kin selection and communication
- development of novel techniques for the acoustic analysis of emotions in animals and man
- bioacoustical techniques to determine and monitor species diversity

regional focus: Madagascar, Malaysia

model groups: tree shrews, rodents, cats, dogs, primates (esp. mouse lemurs)

Cognitive Ethology

- sound perception and categorization in animals and man
- social and ecological intelligence
- spatial orientation and spatial memory
- personality: proximate mechanisms and ultimate consequences
- laterality and handedness

model groups: tree shrews, rodents, cats, dogs, primates (esp. mouse lemurs)

Equipment

Bioacoustic laboratory to analyse animal sound and human speech; sound attenuated rooms for psychoacoustical studies; conditioning laboratory; GPS-based radiotelemetry; S1 laboratory for molecular genetics; videometric laboratory to automatically analyse space use and behavior in animals; behavioral phenotyping platforms; basic equipment for field research in behavioral ecology; usage of field stations in Madagascar and Borneo

Services

Consulting in the following areas: animal wildlife, conservation, housing and breeding of tree shrews and mouse lemurs.

Sie sind hier: [Kliniken & Institute](#) > [Institute](#) > [Institut für Zoologie](#) > [Forschung](#) > [AG Zimmermann](#)

Dieses PDF-Dokument wurde dynamisch auf www.tiho-hannover.de erstellt.

Letzte Aktualisierung dieses Dokumentes: 4. Dezember 2015

© Stiftung Tierärztliche Hochschule Hannover, Bünteweg 2, 30559 Hannover, Tel.: +49 511 953-60