Workshop Program 5 to 6 April, 2016 in Leipzig

Olfaction: sampling methods, GCMS profiling and statistical analyses

Organizer: Behavioral Ecology Group, Institute of Biology, Leipzig University

Location: Max-Planck Institute for Evolutionary Anthropology (MPI EVA), Leipzig, Deutscher Platz 6, 04103 Leipzig, Germany, Seminar room 4th floor

<u>April 5th (Tuesday): Overview of current research topics and methods</u> 9.50 a.m. Welcome Anja Widdig

10.00-10.30 a.m. Dustin Penn (Department for Integrative Biology & Evolution, University of Veterinary Medicine, Vienna, Austria)*Chemical signals and sexual selection in mice*

10.30-11.00 a.m. Martin Stoffel (Department of Animal Behaviour, University of Bielefeld, Germany) Exploring the genetic basis of chemical communication: analytical challenges in an evolving field

11.00-11.30 a.m. Marie Charpentier (CEFE-CNRS, Montpellier, France) Social avoidance of contagious parasites is chemically-mediated in mandrills

11.30-12.00 a.m. Martin Dehnhard (Leibniz Institute of Zoo and Wildlife Research, Berlin, Germany) *Monitoring of volatile bioindicators to assist reproduction in captive breeding: methods, limitations, and applications*

12.00-1.30 p.m. Lunch at MPI EVA cafeteria

1.30-2.00 p.m. Sybille Unsicker (Max-Planck Institute for Chemical Ecology, Jena, Germany)*Poplar volatiles in biotic interactions*

2.00-2.30 p.m. Nicole van Dam/Alexander Weinhold (German Centre for Integrative Biodiversity Research, Leipzig, Germany) *Measuring plant volatiles involved in plant-herbivore interactions*

2.30-3.00 p.m. Claudia Birkemeyer (AG Mass Spectrometry, University of Leipzig, Germany)

The challenge of volatile analysis by gas chromatography - mass spectrometry

3.00-3.30 p.m. Susann Jänig/Marlen Kücklich (Department of Behavioral Ecology, University of Leipzig, Germany) Analysis of Chemical Profiles in Common Marmosets and Great Apes

3.30-4.00 p.m. Break

from 4.00 p.m. Poster session

from 6.00 p.m. 'Get together' at MPI EVA cafeteria

<u>April 6th, 2016 (Wednesday): Discussion rounds with summary</u> 8.30-10.30 a.m. Discussion on sampling methods (chair: Marlen Kücklich/Susann Jänig)

10.30- 10.45 a.m. Break

10.45-12.45 p.m. Discussion on GC-MS profiling (chair: Claudia Birkemeyer)

12.45-2.00 p.m. Lunch at MPI EVA cafeteria

2.00-4.00 p.m. Discussion on Statistical analysis (chair: Brigitte Schlögl/Lars Kulik)

4.00 p.m. Farewell

Funded by the Leibniz Program and the Research Academy Leipzig (ral) of the University Leipzig, and the Deutsche Zoologische Gesellschaft (DZG)





