



Talking about Taxonomy

Center of Biodiversity and integrative Taxonomy (KomBioTa)

Societies to Genes: can we get there from here?

Prof. Robert Page

Arizona State University, Tempe, AZ, USA



Photo: private.



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24th October 2022 / 4.00 – 5.30 pm

University of Hohenheim, Schloss, Balkonsaal

How does complex behavior arise from the DNA encoded in genomes? In this talk, Prof. Rob Page will highlight what he has learned by focusing on the complex interactions and work partitioning in honey bee hives.

Rob Page conducted one of the longest running selection programs, breeding a line of low and high pollen hoarding bees for more than 35 generations. These differed significantly in their behavioral suites such as age of first foraging, sucrose responsiveness, enabling him to probe the underlying physiological and genetic differences between these lines to understand how gene expression drives behavior.

Robert Page is currently Professor Emeritus at Arizona State University. He is an elected member of Leopoldina – the German National Academy of Science and several other societies. He was awarded the Humboldt Research Prize and is an elected Fellow of the Entomological Society of America.

Professor Page uses the honey bee as a model system to provide insight into how complexity can arise through individual interactions and varying response thresholds of society members.

This talk is organized in cooperation with the Apicultural State Institute, University of Hohenheim.