



German Zoological Society – Section Physiology

Net@Phys Webinar

(Meta)Genomics in Physiology

Program

Friday, 17. June 2022

09:00 **Hans Merzendorfer** (Molecular Biology, University of Siegen)
Welcome address

09:05 **Florian Centler** (Bioinformatics, University of Siegen)
Modular Metagenomic pipelines and integration of Multiomics data

09:45 **Daniel Huson** (Algorithms in Bioinformatics, Tübingen)
The DIAMOND and MEGAN pipeline and its extension

10:15 Virtual Coffee Break

10:45 **Christoph Bleidorn** (Zoology and Anthropology, University of Göttingen)
Annelid phylogenomics - state of the art and future directions

11:30 **Marwa Shumo** (Center for Development Research, University of Bonn)
The importance of metagenomics in understanding the microbial dynamics associated with the industrial rearing and processing of insects

12:00 Lunch

13:30 **Georg Zeller** (Structural and Computational Biology, EMBL, Heidelberg)
Computational investigation of the microbiome's role in colorectal cancer

14:00 **Robert Heyer** (Uni Bielefeld, FHI Dortmund)
Metaproteomics of Microbial Communities in Biogas Plants

14:30 **Darrin Schultz** (Dept. of Neurosciences and Developmental Biology, University of Vienna)
Ancient gene linkages show that ctenophores are sister to other animals

15:00 Virtual Coffee Break

15:30 **Janina Fuß** (Clinical Molecular Biology, University of Kiel)
Long read sequencing of non-model species and environmental samples

16:00 **Rafael Iwama** (Department of Ecology and Evolutionary Biology, University of Toronto)
Bloody biology: comparative transcriptomics of leech salivary glands

16:30 Outbreak Sessions

18:00 End

Registration: if you intend to participate, please send an informal email to "hans.merzendorfer@uni-siegen.de"

Access data for Zoom-Meeting: *on request*