

ÖAW

AUSTRIAN
ACADEMY OF
SCIENCES

SATURDAY, OCTOBER 21, 2023
9:00 AM – 6:00 PM
LARGE FESTIVE HALL
UNIVERSITY OF VIENNA
UNIVERSITÄTSRING 1
1010 VIENNA

@ Marie Dacke, Lund



KERNER VON MARILAUN SYMPOSIUM 2023

ALIEN SENSORY WORLDS

NEUROETHOLOGY, ECOLOGY AND FASCINATING ADAPTEDNESS

PROGRAM

9:00–9:30 REGISTRATION & COFFEE AND CAKE

9:30–10:00 **OPENING AND INTRODUCTION**

Verena Winiwarter | Chair, Commission for Interdisciplinary Ecological Studies (KIOES), OeAW
Friedrich G. Barth | University of Vienna & KIOES, OeAW

MORNING SESSION – Vibrations, Sound, and Odorants

Moderation: Friedrich G. Barth

10:00–10:45 **Peter Narins** | University of California, Los Angeles, USA
Neuroethology of vertebrates living in seismic worlds

10:45–11:30 **Heiner Römer** | University of Graz, Austria
Acoustic communication in insects: Ecological challenges and surprising adaptations

11:30–12:15 **Wolfgang Rössler** | University of Würzburg, Germany
Olfaction and neural mechanisms in communicating social insects

12:15–14:00 LUNCH ON SITE

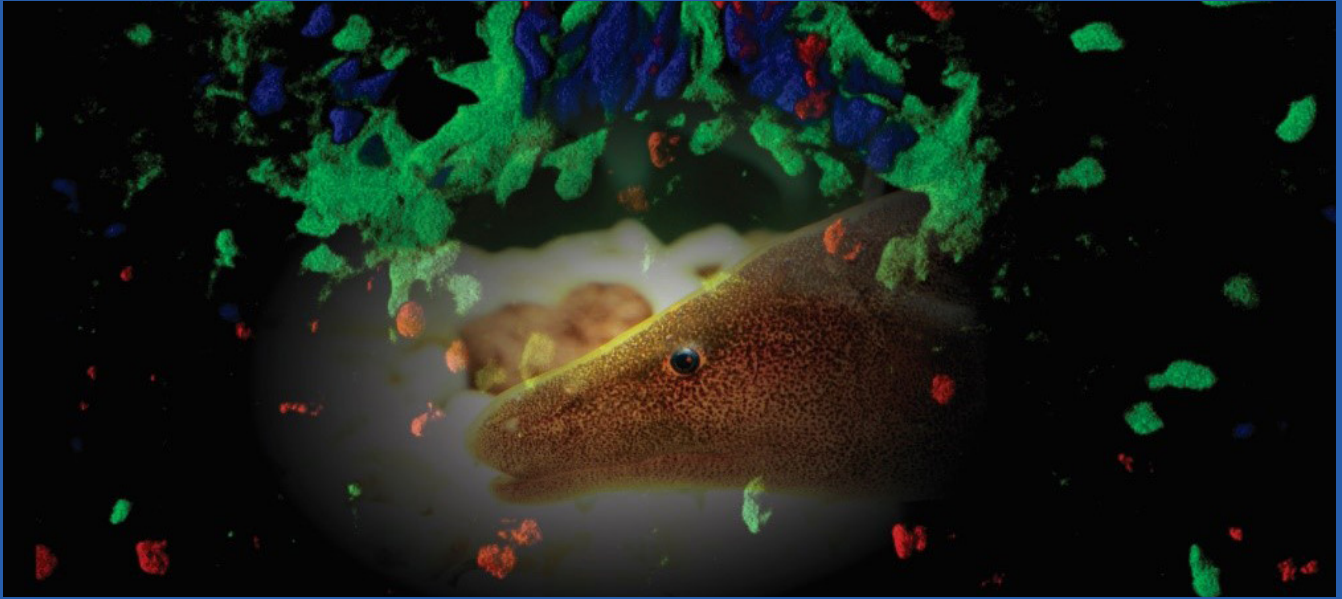


AFTERNOON SESSION – Stars, Color, Electric Fields, and Vision in the Brain

Moderation: Wolfgang Rössler

- 14:00–14:45** **Marie Dacke** | University of Lund, Schweden
Dancing under the stars: How small creatures find their way
- 14:45–15:30** **Kentaro Arikawa** | Graduate University for Advanced Studies, Hayama, Japan
Colors in the environment, the eyes, and the brain of butterflies
- 15:30–16:00** COFFEE BREAK
- 16:00–16:45** **Günther K.H. Zupanc** | Northeastern University, Boston, USA
When sensory systems stop talking to the motor side – insights from weakly electric fish
- 16:45–17:30** **Kristine Krug** | University of Magdeburg, Germany
Active vision in primates: the events that shape perception
- 17:30–18:00** **General Discussion**

Moderation: Friedrich G. Barth



SCIENTIFIC ORGANIZATION

o. Univ.-Prof. em. Dr. Friedrich G. Barth, Austrian Academy of Sciences (OeAW)

ORGANIZER

Commission for Interdisciplinary Ecological Studies (KIOES), Austrian Academy of Sciences (OeAW)

CONTACT

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INFORMATION AND REGISTRATION

Further information and registration: <https://www.oeaw.ac.at/kioes/aktivitaeten/detail/aliensensory>

Cover image: Dung beetle.

Photo above: Brown ghost knifefish and cells of its brain.

Please note that video recordings and/or photographs may be taken throughout the event. These will be used by the organizing institution in publications, on-line and in social media. Please contact the event organizer if you have any concerns or if you wish to be exempted from this activity.