

EINLADUNG

Kolloquium
Sommersemester 2023

Prof. Dr. Andreas Vilcinskas

Justus-Liebig-Universität Gießen & Fraunhofer-Instituts für Molekularbiologie und Angewandte Ökologie

hält am Dienstag, den **20.06.2023**, um 16:15 Uhr, im Biologicum, Max-von-Laue-Str. 13, Campus Riedberg, Hörsaal 1 einen Vortrag über,
„Insect models in ecotoxicology“

Insect Biotechnology (Yellow Biotechnology) refers to the development and application of biotechnological methods to translate insects, their molecules, cells, organs or associated microorganism, respectively, into products or services for specific use in medicine, agriculture or industry. The presentation focuses on the benefits of insect models to address questions in ecotoxicology. A number of insect species with a sequenced genome such as the Red Flour beetle *Tribolium castaneum*, the Pea aphid *Acyrtosiphon pisum*, die Western Honey Bee *Apis mellifera* and the Tobacco Hornworm will be introduced to study the impact of pesticides in sublethal concentrations on complex parameters such as fecundity, longevity and learning behavior. These species are also favorite models to elucidate trans-generational and non-target effects of pesticides allowing to better understand their contribution to the insect decline.

Prof. Dr. Andreas Vilcinskas is the director of the Institute for Insect Biotechnology at the Justus-Liebig-University of Giessen, the head of the Branch Bioresources of the Fraunhofer Institute for Molecular Biology and Applied Ecology in Giessen and the coordinator of the LOEWE-Center for Insect Biotechnology and Bioresources. He is a recognized pioneer of insect biotechnology trying to explore insects for human welfare.



Einladender: Prof. Dr. Dr. h.c. Henner Hollert

Dieser Vortrag wird zusätzlich via Zoom übertragen. Eine Anerkennung für die Studierenden (freies Modul) ist nur bei einer Teilnahme in Präsenz möglich.

Über diesen Link kommen Sie zu der entsprechenden Veranstaltung:

<https://uni-frankfurt.zoom.us/j/61258282868?pwd=NWhGb2d3R1B6NzgzTXN0M1RDUU1Edz09>