

Invitation to the Seminar series in Evolutionary Biology

Wednesday, 27.11.2024

Prof. Caroline Müller

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Ecological Aspects of Chemodiversity in Plant-Environment Interactions

Abstract:

The importance of variation in chemical phenotypes of organisms for shaping species interactions has often been neglected, although chemical communication is the most ancient mediator of information exchange among individuals. From the plant perspective, inter- and intraspecific plant chemodiversity can play a crucial role for the specific outcome of plant-herbivore or plant-pollinator interactions. Moreover, plants of different chemotypes may respond differently to other environmental challenges. From the insect perspective, metabolomics approaches can help to determine which plant compounds are causing deterrent effects on herbivores and how certain plant toxins may be metabolised after ingestion or further used by insects, leading to individual variation. I will highlight several examples of these intriguing functions of chemodiversity.

Host: Prof. Shuqing Xu

Please mind this is on Wednesday!

The colloquium usually takes place on Tuesdays at 12:15 pm until approx. 1:15 pm in the BZ 1 lecture hall (HS 00.187). Talks are given in English. Everyone interested is welcome!