



ID der Kurzfassung : 282

Hands-On Science at Greifswald Zoo: CiFly 2.0

Inhalt

The citizen science project CiFly, now in its second year, demonstrates how young students can actively participate in scientific investigations. In 2025, CiFly engages ninth- and tenth-grade students alongside researchers to study biodiversity and the prevalence of antimicrobial resistance (AMR) in and around Greifswald Zoo. After being introduced to One Health, biodiversity, microbiology, molecular biology, and scientific working procedures, students began their first fieldwork in April. Each week for five weeks, five groups of students collected samples along transects from 20 locations, with five additional locations sampled by scientists. In total, 18 flies, 30 water samples, and approximately 75 leaf swabs were collected, and students recorded observations of around 160 animals. Bacterial cultures were prepared from the flies and water samples, while DNA was extracted from leaf swabs. This DNA was then amplified both in the school and in laboratories to enrich and ultimately sequence mammalian and bird DNA. With the resulting data, students will be able to explore and answer their own research questions.

Keywords

Citizen Science, One Health, eDNA, leaf swabs

Registration ID

OHS25-137

Professional Status of the Speaker

Postdoc

Junior Scientist Status

No, I am not a Junior Scientist.

Track Klassifizierung: Social Sciences & Health

Typ des Beitrags: Poster presentation

Kommentare:

could also go into another track, like novel methods or AMR