

The workgroup Bonkowski is seeking a motivated bachelorstudent for following thesis project:

## Modeling of food-choice experiments

*Fisculla terrestris* is a soil micropredator feeding on fungi and algae. Food choice experiments have already shown that *F. terrestris* is able to sense prey and (probably) based on different chemical signals of the prey, the consumption rates differ in multiple-choice-feeding experiments. Aim of the thesis project will be the re-modeling of the experiment with Netlogo, a program used for individual based modeling, and the evaluation of such a theoretical model for predictions of food induced predator responses.

Experiences in simple coding languages might be of advantage, but are definitely not necessary!

I will of course show you the basics and I am available for upcoming questions, but you should be able to work self-dependent.

You will get insight into: individual based modeling, coding, general ecological concepts, netlogo, presenting data

If interested, please write an email to [kennethdumack@uni-koeln.de](mailto:kennethdumack@uni-koeln.de)

