Are you interested in disease ecology and evolution in amphibian species?

We are offering an exciting MSc thesis projects investigating how anti-fungal treatments affect the skin microbiome and how microbiome changes with infection and temperature. **This project offers a unique opportunity to gain practical experience in molecular techniques and ecological data analysis, while contributing to globally relevant research on infection dynamics in wild amphibian populations and the interplay between the amphibian microbiome, infectious diseases and possible treatments. Laboratory and data analysis training will be provided!!!**

Background

Amphibians are undergoing massive population declines due to emerging infectious diseases. Tebuconazole is used to treat amphibians infected with the chytrid fungus *Batrachochytrium dendrobatidis* (Bd). However, the substance's broader effects remain unknown, particularly how it induces dysbiosis in the skin microbiome.

This project might involve field work, lab work and bioinformatic analyses

Department of Ecology and Genetics, Animal Ecology Program, Cortazar lab

If you are interested, please contact us for more details.

Contact detail: **maria.cortazar@ebc.uu.se** for further inquiries

Start date: Flexible, can start straight away Place: EBC Uppsala

Project length: 30-60hp