

# New PhD Course: Molecular methods in microbial ecology – from theory to application (3-4.5 ECTS)

This course gives a theoretical foundation to navigate the maze of methods available to study communities of bacteria, archaea, fungi and other microbial eukaryotes. You will get well-acquainted with best practices for sampling, extracting, and preparing DNA and RNA for sequencing and quantification of taxonomic and functional markers from different environments. You will also gain insights into approaches to analyzing sequencing data.

The course consists of a once-per-week journal club and discussions starting 13th October (in-person or remote) and a 1-week on-campus workshop from 13th-17th November consisting of lectures, discussions, study visits, and practical laboratory and data analysis exercises. There is opportunity to develop and discuss a personal research plan after the workshop.

This course is a collaboration between the Departments of Forest Mycology and Plant Pathology and Aquatic Sciences and Assessment. For questions please contact Grace Pold (grace.pold@slu.se).

The syllabus & registration of interest in the course can be found here

