



ForBio/STIRs

DNA barcoding-from theory to applications

Barcoding

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The course aims to present a broad view of the DNA barcoding technique for species/OTU:s identification. The concept, databases, theory, applications, techniques, e-DNA, larvae, soil, gut content, etc, etc. Pitfalls, drawbacks and advantages will be highlighted. Sessions contain lectures, laptop exercises and discussions. We will broadly cover different organism groups (fungi, plants, inverts, verts, marine org.).

Learning targets:

- Understanding of the barcoding concept (including metabarcoding)
- Knowledge of e-DNA methods
- Knowledge of applications for barcoding
- Basic understanding of advanced techniques in lab and analysis

Per Sundberg, professor at GU, (per.sundberg@gu.se) will be moderating the course. A number of teachers (names announced later) are responsible for different parts of the course. Participants are expected to read literature prior to the course, and take active part in all sessions.

Target group: PhD students, master students, researchers, consultants, government officials/museum staff - with relevant background in biology.

Working language: English/Scandinavian

Recommended course credits: 2,5 ECTS

Number of participants: Maximum 20.

Fee: No course fee. ForBio members that are PhD-students or PostDocs in Norway can have travel costs covered (check course announcement on ForBio website for details). Lunch is provided by the course organizers.

Registration: Register with a short CV indicating the nature and stage of your interest or research project – at the latest, July 10. Priority will be given to students/researchers enrolled in the Swedish Taxonomy Initiative and to members of ForBio, should the maximum number of participants be exceeded.

Registration (or questions): Malin Strand, Coordinator STI, e-mail: malin.strand@slu.se tel: +46(0)705-654246.

Location: Zoology building, Medicinaregatan 18, Gothenburg.

Suggestions for accommodation: Within walking distance from the Zoology house there are hostels, e.g. Linnéplatsens vandrarhem (www.linneplatsensvandrarnhem.se) or Slottsskogens vandrarhem (www.sov.nu).