

INTRODUCTION TO POPULATION GENETICS THEORY AND RAD-SEQ DATA ANALYSIS

This course will teach participants the basics of population genetics theory and how it is used to make inferences about population processes and species histories. It looks into how genetic diversity patterns change over time and their underlying processes. In addition, it will spotlight micro-evolutionary processes and how they impact species diversity, and how to gain knowledge of species histories. The focus is on understanding how evolutionary processes cause patterns and changes in biological diversity across time and space. In a second module, the course will explore one of the main methods to investigate genetic diversity in populations with limited or no reference genome availability: RAD-seq (Restriction-site Associated DNA sequencing). Herein, the participants will learn how to generate and analyse RAD-seq data and apply common population genetic methods.

CHARACTERISTICS:

- Language: English.
- On-site. Theoretical and practical.
- Maximum 20 attendees.



02/09/2024 to 06/09/2024

9h to 16h

ParcBit, edifici Complex I+D

INTENDED FOR:

Anyone working in and/or interested in population genetics: graduate students, postdocs, faculty.

TEACHING STAFF:

[Narjes Yousefi \(University of Zurich\)](#)

[Hans Kristen Stenøien \(Norwegian University of Science and Technology\)](#)

REQUIREMENTS:

- Personal laptop computer: Mac, Linux or Windows.
- Pen and paper.

Free with previous REGISTRATION

<https://fueib.org/es/uibtalent/238/formacion/cursos/1265/introduccio-a-la-teoria-de-la-genetica-de-poblacions-i-lanalisi-de-dades-rad-seq>

Organise: <https://centrebaleardebiodiversitat.uib.cat/> Contact: a.diaz@uib.cat