



Molecular approaches, methods and techniques in animal ecology

28.Jul - 30.Jul 2017

Cod. Z16-17

Mod.:

Face-to-face

Edition

2017

Activity type

Workshop

Date

28.Jul - 30.Jul 2017

Location

Miramar Palace

Languages

English

Academic Validity

30 hours

Organising Committee

COURSE
Molecular approaches, methods and techniques in animal ecology
Miramar Palace, Donostia
28-30 July 2017

TARGET STUDENTS:
Undergraduate, MSc and PhD students, researchers and lecturers working on animal ecology with basic knowledge on molecular techniques.

INTENSIVE COURSE | 24h
- Introduction to molecular ecology (experimental design)
- General techniques (library build, sequencing platforms...)
- Whole genome SNP analysis (population genomics)
- DNA metabarcoding (diet analysis)
- Shotgun metagenomics (functional microbiome profiling)
- One-by-one sessions

Registration open till May 31st or till reaching student limit (40)
Regular fee: 250€
EBRS intensive fee: 180€
Exceptional fee*: 200€
*Students without financial support
*Students without financial support
*Students without financial support

Registration and further information:
www.ebrs2017.eus/molecularrecologycourse

TEACHERS
- Orlin Reagor
University of Southampton
- Arthur A. Bland
University of Copenhagen
- Kristine Bultman
University of East Anglia
- Alister Armstrong
University of the Western Cape



Description

Molecular ecology comprises a wide diversity of genetic-based methodological and technical approaches to address ecological and evolutionary questions. This course will focus on general concepts, current techniques and key aspects for the experimental design of molecular studies applied to animal ecology using bats as model species. Particularly, the course will go into detail about population genomics, DNA metabarcoding for diet studies and shotgun metagenomics applied to gut microbiota.

Directed by



Aitor Arrizabalaga

UPV/EHU University of the Basque Country

Aitor is a postdoctoral researcher at the University of the Basque Country, UPV/EHU. His research is focused on the foraging ecology of bats using DNA metabarcoding: from individual-level trophic specialization to interspecific trophic interactions and pest control services.



Antton Alberdi

University of Copenhagen

Antton is a postdoctoral researcher at the Natural History Museum of Denmark, where he researches on bat, cervid and bird gut metagenomes from modern and ancient guano samples using full shotgun techniques.

Registration fees

REGISTRATION	UNTIL 07-06-2017
Regular Fee	250,00 EUR
EBRS attendee fee	180,00 EUR
Exceptional Fee	200,00 EUR

Place

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa