

# Molecular approaches, methods and techniques in animal ecology

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

**TARGET STUDENTS:**  
 University, 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,...)
- Single genome SNP analysis (population genetics)
- DNA barcoding (species identification)
- Shotgun metagenomics (functional microbiome profiling)
- One-by-one sessions

**TEACHERS**

Registration open till May 31st or till reaching student limit (40)  
 Regular fee: 250€  
 EBRS attendee fee: 180€  
 Early bird fee\*: 200€  
\*Early bird fee valid until 15th May 2017. After this date, the regular fee will apply.

Registration and further information:  
[www.ebrc2017.eus/molecularecologycourse](http://www.ebrc2017.eus/molecularecologycourse)

**Uzt. 28 - Uzt. 30 2017**

**Kod. Z16-17**

**Mod.:**

Aurrez aurrekoan

**Edizioa**

2017

**Jarduera mota**

Workshop

**Data**

Uzt. 28 - Uzt. 30 2017

**Kokalekua**

Miramar Jauregia

**Hizkuntzak**

Ingelesa

**Balio akademikoa**

30 ordu

**Antolakuntza Batzordea**

Fundación  
**BBVA**



Gipuzkoako Foru Aldundia  
 Diputación Foral de Gipuzkoa

## **Azalpena**

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.

## Zuzendaritza



### Aitor Arrizabalaga

UPV/EHU University of the Basque Country

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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

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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.

## **Matrikula prezioak**

**REGISTRATION**

**2017-06-07 ARTE**

Regular Fee	250,00 EUR
EBRS attendee fee	180,00 EUR
Exceptional Fee	200,00 EUR

# **Kokalekua**

## **Miramar Jauregia**

Mirakontxa pasealekua 48, 20007 Donostia

Gipuzkoa