

10th-19th June 2019

MADPHYLO

MADRID WORKSHOP IN
STATISTICAL PHYLOGENETICS
REAL JARDÍN BOTÁNICO - CSIC



Darwin founded the field of **evolutionary biology** on the concept that all organisms are related to one another through an unknown evolutionary tree.

Phylogenetic or evolutionary inference has become an essential tool in many disciplines across the life sciences, from molecular epidemiology to paleontology. In this workshop, the participants will learn the theoretical and technical basis of stochastic modeling in evolutionary biology and phylogenetics.

The workshop will also provide full training in the open software **RevBayes**, an R-like interactive environment based on graphical model concepts for the modeling of complex evolutionary problems. At the end of the course, the student will have an understanding of the assumptions behind state-of-the-art methods used in **modern phylogenetic analysis**, as well as being able to build up new models from existing functions in RevBayes.

The workshop will consist of daily **lectures and computer sessions**, and given in **English**. Lectures and practicals will be tightly linked, meaning that you will learn the theory and also how to apply the theory on the same day.

Lecturers:

Dr. John **Huelsenbeck** (University of California, Berkeley)

Dr. Brian **Moore** (University of California, Davis)

Dr. Sebastian **Höhna** (Ludwig-Maximilians-Universität, Munich)

Dr. Michael R. **May** (University of California, Davis)

Dr. Isabel **Sanmartin** (Real Jardín Botánico, CSIC)

Course director:

Dr. Isabel **Sanmartin** (Real Jardín Botánico, CSIC)

Practical information

Course fee: 450 €. Tuition includes an informal American-style make-your-own-sandwich lunch every day of the workshop, plus coffee breaks.

Dates: 10th-19th June 2019. From 9 am to 5 pm.

Venue: Real Jardín Botánico-CSIC. Address: Claudio Moyano 1, Madrid 28014

Target audience: Graduate students in Biology, Environmental Sciences, Veterinary, Agronomical or Forestry Engineers and related fields.

Number of participants is limited to 35

Important dates

Application deadline: 1st May 2019

Admission Committee's decision: 7th May 2019

Payment deadline: 20th May 2019

Other details

Contact the organizers for students **grant possibilities**. An official attendance certificate will be given upon assistance > 80 % of lectures.

Course programme, further information, and registration on-line www.madphylo.org



REAL JARDÍN
BOTÁNICO

Sponsored by

