

# Laura Guillardín Calvo

## PhD student

Focusing both the final BSc and MSc thesis in genetic bioinformatics methods, I acquired skills in forest genomic data analysis and data processing tools. As Cloud Analytics employee I learned how to deal with BigData projects in different scenarios. Currently, the purpose of my PhD project is to assess the genetic effects of applying Continuous Cover Forestry silvicultural approach in non-native conifer UK populations.

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## WORK EXPERIENCE

### PhD Student in Forest Genetics

University of Oxford

09/2019 - Present

Oxford, UK

Plant Sciences Department

### Junior Cloud Data Architect

myCloudDoor

09/2018 - 09/2019

Madrid, ES

### Forest Genetics Research Intern

Universidad Politécnica de Madrid

11/2017 - 05/2018

Madrid, ES

Department of Systems and Natural Resources.

#### Achievements/Tasks

- Bioinformatics approaches for the genetic analysis of progenies of half siblings of holm oaks, cork oaks and hybrid individuals with the aim of use the plant material in breeding projects focused on the quality of cork.

### Forest Genetics Research Intern

NEIKER-Tecnalia

09/2016 - 12/2016

Vitoria/Gastéiz, ES

Collaboration in forest genetic research project.

#### Achievements/Tasks

- Genetic and phenotype analysis of European white oaks populations in the pre-pyrenean area. Structure and Landscape genomics approaches.

## PUBLICATIONS

Guillardín, L., Mora-Marquez, F., Soto, A. & López de Heredia, U. RADdesigner: a workflow to select the optimal sequencing methodology in genotyping experiments on woody plant species. Tree Genetics and Genomes. Manuscript submitted for publication.

## EDUCATION

### MSc in Agroforestry Biotechnology

Universidad Politécnica de Madrid

09/2017 - 07/2018

Madrid

### BSc in Forestry Engineering

Universidad Politécnica de Madrid.

09/2011 - 07/2017

Madrid

## SKILLS

Forest Genetics

Bioinformatics

R

Statistics

Botany

UNIX

bash

Silviculture

ArcGis

QGIS

Python

SQL

Molecular Biology

Genomics

## LEADERSHIP ROLES AND VOLUNTEER EXPERIENCE

Executive committee member (Treasurer), Oxford University Basketball Club (06/2020 - 06/2021)

General financial oversight. Oversee and present budgets, accounts and financial statements to the committee. As part of the executive committee, I also participated in the coaches hiring process, including interviews and conditions negotiation.

Pirineos de todos y para todos (07/2015 - 07/2015)

Improvement of infrastructure and environment in a refurbished village of the Pyrenees region. We focused on clear end thinning forest areas surrounding the village.

## PROFESSIONAL TRAINING

Emergency First Aid for Fieldworkers (10/2021)

Provide first aid skills in contexts with limited paramedic support including remote and challenging environments.

Data Engineering on Google Cloud Platform Specialization (11/2018)

<https://www.coursera.org/account/accomplishments/specialization/GFF3L7TFWPGR>

Gentree-Evoltree Summer School Course: "From genotypes to phenotypes: assessing forest tree diversity in the wild". Kaunas, Lithuania (06/2018)

## LANGUAGES

English



Spanish



## INTERESTS

Climbing

Botany

Environment

Conservation

Trekking

Mountain Bike

Basketball