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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𝕏 @LGuillardin

📍 Oxford

in linkedin.com/in/laura-guillardín-0b706914b

⌨ lauguillardin.github.io

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.

1ST AUTHOR PUBLICATIONS

Guillardín-Calvo, L., Mora-Márquez, F., Soto, Á. et al. RADdesigner: a workflow to select the optimal sequencing methodology in genotyping experiments on woody plant species. Tree Genetics & Genomes 15, 64 (2019). https://doi.org/10.1007/s11295-019-1372-3

EDUCATION

MSc in Agroforestry Biotechnology
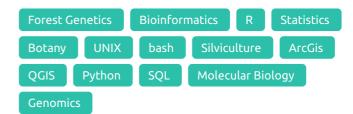Universidad Politécnica de Madrid

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