Juan Manuel Ruiz Robles

MSc Student in Cancer Biology
Biotechnology Graduate

SKILLS

Self-learning
Coding
Teamwork
Adaptation

EDUCATION

IES Rambla de Nogalte High School
2011 - 2017

University of Granada Biotechnology Degree
2017 - 2021
Overall mark: 8.75/10

University of Salamanca Movility program
2019-2020

University of Salamanca Msc in Cancer Biology
75% taught in English
2021-2022
Overall mark: 9.58/10

CONTACT

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PROFILE

Young student interested in genetics, mechanisms of disease and evolution. Hard-working, with skills in bioinformatics (Python, R, Matlab, Pascal). Responsible person eager to learn and contribute to science progress.

LABORATORY EXPERIENCE

Yolanda Sánchez Martín Lab at IBFG (Salamanca, Spain) | October 2019-March 2020
• Work with yeast, cell culture
• Molecular biology techniques
• Development of transversal competences
• https://ibfg.usal-csic.es/yolanda-sanchez.html

Complex Trait Genetics Lab (Granada, Spain) | September 2020-June 2021
• Bioinformatics (QTLs of Non obstructive Azoospermia)
• PCR, genotiping and DNA extraction from blood samples
• Whole genome amplification
• https://twitter.com/ComplexGenUGR
• Homepage of the Lab's PI:http://wpd.ugr.es/~dcarmona/wordpress/

Molecular Medicine Lab 14 at CIC (Salamanca, Spain) | July 2021-Present
• Granted by the AECC
• Transfection techniques and work with plasmids
• Western blot, qPCR, RNA/DNA/protein extraction, NGS pipeline, VCF files...
• https://www.cicancer.org/grupo?id=29

ABOUT ME

I must admit that since I was a child I have had a great interest in science.

Thanks to the that, I put a lot of effort into getting good grades, obtaining an 8.75 in the Biotechnology degree at the University of Granada.

In addition, during my degree I have been training and gaining experience in the field of genetics.

At the laboratory level, I have been able to carry out internships studying QTLs related to complex diseases, as well as discovering new mutations associated with diseases thanks to NGS techniques. The possibility of linking these mutations with clinical effects is a great challenge, but at the same time a great opportunity to improve the quality of life of patients, and it would be a great honour for me personally to be able to help in this purpose.

On the other hand, I have taken several programming courses in R and Python, which allows me to work with omics data.

Therefore, I consider my profile as interdisciplinary, being able to add up in a wide range of working environments, where I could be useful from day one.

José Jalife Sacal Lab, CNIC (Madrid) | July 2022 - August 2022

• Molecular Biology techniques (Genotyping, PCR, Western Blot)
• Use of bioinformatics tools for the study of atrial fibrillation
• Knowledge of electrophysiology techniques (Optical mapping, Patch clamp)
• https://www.cnic.es/es/investigacion/arritmias-cardiacas

ACHIEVEMENTS AND COURSES

• Grant of the AECC (Spanish Association Against Cancer) Summer 2020
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• First Certificate in English (B2 Cambridge level)
• 180 hours course certificate in Python
• 100 hours course certificate in R
• 100 hours course certificate in Git and LaTeX

OTHER ACTIVITIES

- Three times in UGR Bioinformatics days (2°,5° & 6° edition)
- Certificate in RNA-seq analysis (15 HOURS)
- Certificate in "2 weeks international training on bioinformatics" by Decode Life
- Certificate in "Machine learning and Big Data MOOC" by Abierta UGR (UGR) 4 ects
- Workshop "Learning R to analyse RNA expression" 15 hours