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| --- | --- | --- | --- | --- | --- |
| Hombre en una cocina  Descripción generada automáticamente con confianza media | | | **Research Experience****Spanish National Centre for Biotechnology (CNB-CSIC), Madrid, Spain**January 2023 - June 2023 During my Master Project I collaborate with the Scientific Computing Service, where I study cell response to Infectious Bursal Disease virus (IBDV) infection analysing RNA sequencing data.  Besides genomic data analysis, I have gained experience in computational tools for metabolic network modelling and protein structure prediction, and expanded my knowledge on biostatistics. **Biomedical Research Institute “Alberto Sols” (CSIC-UAM), Madrid, Spain**July 2021 - March 2022 At the Cytoskeleton and Metastasis Group, I investigated cytoskeletal remodelling as a mechanism of therapy resistance in melanoma. I participated in the writing and reviewing of a scientific publication and gain mentorship experience by supervising and instructing Bachelor and Master level students. **Umeå University, Dept. of Molecular Biology, Umeå, Sweden**January 2021 - June 2021 At the RNA lab, as part of my Bachelor Thesis, I studied the role of messenger RNA methylation by m6A Methyltransferase METTL14 in ovarian cancer. I used cell culture and molecular biology techniques to characterize the effect of *Mettl14* depletion. **Education****Master’s Degree in Computational Biology (60 ECTS) – Technical University of Madrid (UPM), Madrid, Spain**September 2022 - June 2023 Experience in multiple bioinformatic fields (genomics, proteomics, drug discovery, evolutionary biology) and computational technologies (machine learning, big data, system modelling).  **Average grade:** 8.96 / 10 (Not definitive) |  | Adrián Barreno Sánchez ***Computational Biologist with background in molecular biology and cancer research. With this combination of wet-lab/dry-lab skills, I aim to contribute to the understanding of human disease and the development of novel therapeutic approaches.*** |
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|  |  | Madrid, 28032  Spain |  |
|  |  | +34 685 32 92 83 |  |
|  |  | adri.barreno@live.com |  |
|  |  | Linkedin |  |
|  | [Imagen que contiene gato  Descripción generada automáticamente](https://github.com/abarrenos) | github.com/abarrenos |  |  |
| Computational Skills NGS data analysis, RNA-Seq, Machine Learning, System modelling, Drug Discovery, Bash, Python, R, Ruby, SPARK-SQL, Java, Graph Pad. Wet Lab Techniques Human cell culture, lentiviral production, shRNA/siRNA knockdown, bacterial cloning, Western Blot, qRT-PCR, confocal microscopy, flow cytometry  **Language Skills**  **Spanish**: Mother tongue  **English**: Proficiency level C2 by Cambridge certificate CAE. |  | |  |  |

#### **Erasmus+ Exchange Programme – Umeå University, Umeå, Sweden**

#### September 2020 - June 2021

Enrolled on different courses from the Molecular Biology Master’s Programme (*Passed with Merits*), I acquired profound knowledge in the fields of Tumour Biology and Molecular Biology Research.

#### **Bachelor’s Degree in Health Biology (240 ECTS) – University of Alcala (UAH), Madrid, Spain**

#### September 2017 - June 2021

Broad understanding on various biological disciplines, particularly focused on biomedical research and clinical analysis.

**Average grade**: 9.16 / 10

### **Publications**

**Barreno A**, Orgaz JL. Cytoskeletal Remodelling as an Achilles’ Heel for Therapy Resistance in Melanoma. *Cells*. 2022; 11(3):518. <https://doi.org/10.3390/cells11030518>

### **Grants and Awards**

#### **Excellence Scholarship of the Computational Biology Programme – Technical University of Madrid (UPM)**

#### 2022

In recognition for outstanding academic record.

#### **JAE-Intro Research Grant – Spanish National Research Council (CSIC)**

#### 2021

Seven-month internship at affiliated research institutes granted by the Spanish National Research Council.

#### **Summer Internship – Spanish Association Against Cancer (AECC) Scientific Foundation**

#### 2021

Two-month summer internship at cancer research institutions granted by the AECC Scientific Foundation.

#### **Excellence Grant ­from the Autonomous Community of Madrid – Ministry of Education, Culture and Sport**

#### 2018 and 2021

Two-times awarded in recognition for excellent academic performance during the academic courses 2017-2018 and 2020-2021.

### **Complementary courses**

#### **Biostatistics – Spanish National Centre for Biotechnology (CNB)**

#### February 2023

#### **Introduction to Programming in R – Spanish National Centre for Biotechnology (CNB)**

#### February 2023

#### **Analysis and Programming in Java (Online) – Aspasia Group**

#### February 2022 - April 2022

#### **Basic Pharmacology Course (Online) – Gdoce Business Group**

#### April 2020 - June 2020

### **References**

#### **Francesca Aguilo, PhD – Assistant Professor**

##### *Umeå University, Dept. Molecular Biology*

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#### **José L. Orgaz Bueno, PhD – Principal Investigator**

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#### **José R. Valverde, PhD, MD – Head of Scientific Computing**

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