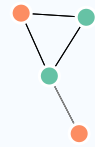# BENEDICT MONTEIRO

I am passionate about the bioinformatic study of genomic data, and how this can improve our understanding of biology and the treament of human diseases. Following completion of my masters degree, I aim to pursue a PhD in the field.

🎓 EDUCATION

2021
|
2020

MSc Genomic Medicine
St George's, University of London 　　　　📍 London, UK

- Awarded an academic scholarship.
- Will study the collection, analysis and applications of genomic data in medical contexts.

2020
|
2016

BSc Biochemistry with French for Science
Imperial College London 　　　　📍 London, UK

- **Predicted grade:** 1st. 69% average from years 1 and 2.
- **Final year research project dissertation:** "*Environmental stress provokes a transcriptomic call to arms in* Legionella pneumophila" (TBC).
- Advanced final year modules in Bioinformatics, Mechanisms of Gene Expression and Damage & Repair in Biological Systems
- **Cultural Dissertation in French:** "*The importance of the Second Empire for the city of Paris*" (74%)

💻 RESEARCH EXPERIENCE

2020
|
2020

Undergraduate Researcher
Costa Lab, CMBI 　　　　📍 Imperial College London

- Analysed RNA-Seq differential expression data to outline the response of the bacteria *L. pneumophila* to 9 stressors.
- Discovered that life cycle progression to the transmissive phase occurs in times of environmental stress.
- Results to be used in an upcoming study of the transcriptomic response of ~20 bacterial pathogens to stress conditions.
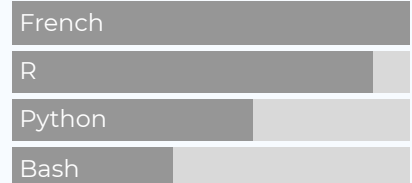
2019
|
2018

Erasmus Research Placement
Zucman-Rossi Lab 　　　　📍 Université de Paris, France

- Worked independently on a bioinformatical analysis of mutational signatures in liver cancer WGS and WES data.
- Performed all analyses and designed the results figure for the "mutational signatures" section of an upcoming publication on the genomic study of a rare type of paediatric liver cancer.
- Updated the R package Palimpsest with functions for the extraction, plotting and further study of new types of mutational signatures.
- Completed an "introduction to Python" course designed for Bioinformatics MSc students at the Université de Paris.

CONTACT

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 github.com/benedict909
in linkedin.com/in/bjmonteiro

LANGUAGE SKILLS

French	
R	
Python	
Bash	