# 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.

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## 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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## LANGUAGE SKILLS

- French
- R
- Python
- Bash


*Made with the R package **pagedown**.*

*The source code is available at github.com/benedict909/CV.*

*Last updated on 2020-06-12.*