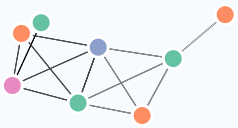
BENEDICT MONTEIRO



View this CV online here

CONTACT

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github.com/benedict909

SW9, London

LANGUAGE SKILLS

- French
- R
- BASH
- Python

EDUCATION

2025 | 2022

PhD in Biomedical Sciences

Max Delbrück Center — Berlin, DE

- Aiming to perform somatic mutation analysis in single cells using Strand-Seq data.

2021 | 2020

MSc Genomic Medicine

King's Collge/St George's, University of London — London, UK

- **Final grade:** Distinction (82% overall average)
- Awarded academic scholarship at admission.
- Taught modules covered the generation, analysis and applications of omic data in clinical and research contexts.
- **Research project thesis:** "*Preliminary liquid biopsy analysis of pancreatic ductal adenocarcinoma patients treated with immunotherapy*" (76%)

2020 | 2016

BSc Biochemistry with French for Science

Imperial College London — London, UK

- **Final grade:** First Class Honours (71% overall average)
- **Final year research project dissertation:** "*Environmental stress provokes a transcriptomic call to arms in* Legionella pneumophila" (80%)
- **Advanced final year modules:** Bioinformatics (69%), Mechanisms of Gene Expression (70%), Damage & Repair in Biological Systems (72%)
- **Cultural dissertation in French:** "*The importance of the Second Empire for the city of Paris*" (74%)

RESEARCH EXPERIENCE

2021 | 2021

Postgraduate Researcher

Vigilante Lab, CSCRM — King's College London

- Developed a bioinformatic pipeline to analyse circulating tumour DNA from pancreatic ductal adenocarcinoma for genomic markers predictive of immunotherapy response.

2020 | 2020

Undergraduate Researcher

Costa Lab, CMBI — Imperial College London

- Analysed RNA-Seq differential expression data to outline the transcriptomic response of the bacteria *L. pneumophila* to stressors.

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

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

Last updated on 2022-01-12.

2019 | 2018

Erasmus Research Placement

Zucman-Rossi Lab, CRC — Université de Paris, France

- Worked independently on a bioinformatic analysis of mutational signatures in liver cancer whole genome sequencing data.
- Performed all analyses and designed the results figure for the "mutational signatures" section in a genomic study of a rare type of paediatric liver cancer.
- Updated and maintain the R package Palimpsest with functions for the extraction and further study of new types of mutational signatures.

TEACHING EXPERIENCE

2021 | 2020

Graduate Teaching Assistant

Department of Life Sciences — Imperial College London

- Teaching core maths skills to Biology & Biochemistry undergraduates.

PUBLICATIONS

2021

Integrated genomic analysis identifies driver genes and cisplatin-resistant progenitor phenotype in pediatric liver cancer

Cancer Discovery

- Hirsch TZ, Pilet J, Morcrette G, Roehrig A, **Monteiro BJ**, Molina L, Bayard Q, Trepo E, Meunier L, Caruso S, Renault V, Deleuze JF, Fresneau B, Chardot C, Gonzales E, Jacquemin E, Guerin F, Fabre M, Aerts I, Taque S, Laithier V, Branchereau S, Guettier C, Brugieres L, Rebouissou S, Letouze E, Zucman-Rossi J. Integrated genomic analysis identifies driver genes and cisplatin-resistant progenitor phenotype in pediatric liver cancer. *Cancer Discov.* 2021 Apr 23:candisc.1809.2020. doi: 10.1158/2159-8290.CD-20-1809. Epub ahead of print. PMID: 33893148.