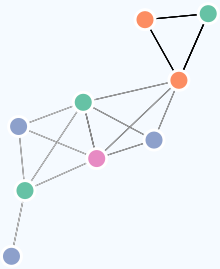
BENEDICT MONTEIRO



EDUCATION

Current | 2022

PhD in Biomedical Sciences

Sanders Lab, BIMSB, Max Delbrück Center — Berlin, DE

- Developing bioinformatic pipelines to analyse single nucleotide and structural variations in single cell genomic datasets.

2021 | 2020

MSc Genomic Medicine

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

- **Final grade:** Distinction (82% overall average mark)
- Awarded academic scholarship at admission.
- 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 mark)
- **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, UK

- 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, UK

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

View this CV online here

CONTACT

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github.com/benedict909

Berlin, DE

LANGUAGE SKILLS

- French
- R
- BASH
- Python

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

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

Last updated on 2025-01-09.

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, UK

- Teaching core maths skills to Biology & Biochemistry undergraduates.

PUBLICATIONS

2024

p53 terminates the regenerative fetal-like state after colitis-associated injury

Science Advances

- Hartl K, Bayram Ş, Wetzel A, Harnack C, Lin M, Fischer AS, Liu L, Beccaceci G, Mastrobuoni G, Geisberger S, Forbes M, **Monteiro BJE**, Macino M, Flores RE, Engelmann C, Mollenkopf HJ, Schupp M, Tacke F, Sanders AD, Kempa S, Berger H, Sigal M. p53 terminates the regenerative fetal-like state after colitis-associated injury. *Sci Adv*. 2024 Oct 25;10(43):eadp8783. doi: 10.1126/sciadv.adp8783. Epub 2024 Oct 25. PMID: 39453996

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 BJE**, Molina L, Bayard Q, Trépo 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, Brugières L, Rebouissou S, Letouzé E, Zucman-Rossi J. Integrated Genomic Analysis Identifies Driver Genes and Cisplatin-Resistant Progenitor Phenotype in Pediatric Liver Cancer. *Cancer Discov*. 2021 Oct;11(10):2524-2543. PMID: 33893148