BENEDICT MONTEIRO

🎓 EDUCATION

2021
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2020

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

- Awarded academic scholarship at admission.
- 84% average grade in taught modules, covering the generation, analysis and applications of genomic data in clinical and research contexts.
- Currently undertaking thesis research project "*Biomarker analysis of pancreatic cancer liquid biopsies*" (TBC).

2020
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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

Current
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2021

Postgraduate Researcher
Vigilante Lab, CSCRM   📍 King's College London

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

2021
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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 stress conditions.
- Currently preparing manuscript for journal submission.

2019
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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.

View this CV online here

CONTACT

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- 🏠 SW9, London

LANGUAGE SKILLS

| French |
| R |
| BASH |
| Python |

🖥 TEACHING EXPERIENCE

Current
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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.