

BENEDICT MONTEIRO



EDUCATION

2021
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2020

MSc Genomic Medicine

King's College/St George's, University of London

📍 London, UK

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

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 in pancreatic ductal adenocarcinoma (PDAC).

Current
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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 bioinformatical 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 maintained the R package [Palimpsest](#) with functions for the extraction, plotting and further study of new types of mutational signatures.



View this CV online [here](#)

CONTACT

✉ k20128353@kcl.ac.uk

🌐 github.com/benedict909

🏠 SW9, London

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 2021-06-29.



TEACHING EXPERIENCE

Current
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2020



Graduate Teaching Assistant

Department of Life Sciences

📍 Imperial College London

- Teaching of 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](#).