

# Samuel John Beales

## **Personal details:**

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## **Address:**

15 Derwent Dale

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## **Profile:**

Keen graduate with proven experience in Python, R, and shell scripting in a research lab. With commitment to pursuing a career in research, and experience of creating single-cell sequencing pipelines fostered from a six month research project. Looking to secure a graduate role with a reputable research group where I can support pipeline development and improve my computational analysis skills.

## **Education:**

### **Newcastle University 19<sup>th</sup> September 2022 - 28<sup>th</sup> July 2023:**

MRes Immunobiology and Bioinformatics:

#### **Relevant Modules:**

- Bioinformatics for Biomedical Scientists
- Genetics of Common Disease
- Research Skills and Principles for the Biosciences

#### **Project and skills:**

Lessons from nature- using human developmental data to inform haematopoietic organoid design.

- Extensive use of Python in Single-cell analysis pipelines
- Use of R within Python utilising Reticulate
- Shell scripting for management of a Linux virtual machine
- Containerization with Singularity

### **University of Huddersfield 2018-2022:**

Biology (Cellular and Molecular) B.S.(Hons): Upper second

#### **Relevant Modules:**

- Research skills 2
- Genomics
- Genomes and Evolution

### **St Bede's Catholic School and 6th Form College 2011-2018:**

A-level: Biology (C), Chemistry (C), Psychology (C)

AS-level: Core Maths (B)

GCSE: 7 GCSEs at A-C

BTEC: 3 BTEC at pass and above

## ***Work experience:***

**Placement Student**, Lonza Group; 1<sup>st</sup> September 2020 – 31<sup>st</sup> August 2021

- Worked under sterile conditions in a professional microbiology lab.
- Attended regular meetings as well as coordinated my own tasks and schedule.
- Developed my ability to write methods and carry them out.
- Provided training for other members of staff on how to use new pieces of equipment.

**Committee member of University of Huddersfield fencing club**; September 2019-2022

- Committed to roles as the treasurer and assisting with coaching.
- Dedication to the club has developed my ability to organise and self-motivate with responsibilities such as funding applications and teaching new members.

**Academic Representative**, University of Huddersfield; September 2018-2020

- Worked to improve the quality of student experience, gathering feedback, attending meetings, and filing issues.
- This has developed my initiative-taking attitude to actively solve problems within the University.

## ***Coding languages:***

- Python
- R
- Shell Scripting(Unix, Z Shell)
- HTML 5

## ***References:***

### **Research Supervisor:**

Simone Webb

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Email: [simone.webb@ncl.ac.uk](mailto:simone.webb@ncl.ac.uk)

### **Personal tutor:**

Gavin Clowry

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### **Research supervisor:**

Tarja Kinnunen

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