

# Samuel John Beales

## *Personal details:*

Tel: 07432 456078

Email: [work@sam-beales.uk](mailto:work@sam-beales.uk)

Web: [sam-beales.uk](http://sam-beales.uk)

LinkedIn: [linkedin.com/in/sam-beales-614624183](https://linkedin.com/in/sam-beales-614624183)

## *Profile:*

Keen bioinformatician with proven research lab experience in Python, R, and shell scripting. With a commitment to pursuing a research career, experience in creating single cell sequencing pipelines gained from a six-month research project and dedicated to professional development with personal projects such as creating personal website. Looking to secure a graduate role with a research group where I can support pipeline development and use my wide range of computational analysis skills.

## *Key Skills:*

- Enthusiastic and curious keeping up to date with research areas of interest.
- Experienced in statistical analysis of large scRNA-seq datasets with wide understanding of the tools used for transcriptomics research.
- Excellent organizational skills and strong capability to keep to deadlines.
- Commitment to professional development with the development of a personal website as well as interest in inter-disciplinary work.
- Strong presentation skills developed through voluntary leadership roles and teaching experience.

## *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 with Jupyter Lab, and R in Single-cell analysis pipelines
- Shell scripting for management of a Linux virtual machine
- Personal initiative and creative use of resources to solve research problems.
- Interpreted personal research data to creatively draw conclusions.

University of Huddersfield 2018-2022:

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

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

A-level: Biology (C), Chemistry (C), Psychology (C), Core Maths (B)

GCSE: 7 GCSEs at A-C

### ***Continued Professional Development:***

Further omics, statistics and clinical data in R, University of Glasgow, 5 weeks

### ***Work experience:***

**Movement to work, DWP 2nd April 2024 – 2nd May 2024**

- Assisting customers on computational skills
- Examining labour market in a customer facing role
- Liaising with colleagues to meet specific needs of customers.

**Handyman, John Beales property services, 1<sup>st</sup> August 2023 – Present**

- Regular handyman work across a wide variety of projects

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

- Worked under sterile conditions in a professional microbiology lab.
- Maintained lab book with clear scientific language and coordinated own schedule.
- Presented project progress regularly to managers at weekly meetings.
- Used specialist laboratory equipment and wrote SOPs for lab use.

**Vice-President, University of Huddersfield Fencing Club; September 2019-2022**

- Coached and managed weekly fencing sessions to ensure reliable practice for members.
- Communicated with Students Union and organised club finances to maintain regular stock of functioning equipment for club use.

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

- Worked to improve the quality of student experience, gathering feedback, attending meetings, and filing issues.

### ***Coding languages:***

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

### ***References:***

Available upon request