CV

General Information

Full Name Sam Ingram

Location Manchester, UK

Language English

Education

2020

PhD, Cancer Science

University of Manchester, Manchester, UK

- Computional modelling of DNA repair pathways
- 3D modelling of chromosome conformation
- Modelling of microscope for immunofluorescence experiments

2017

MSc, Clinical Science

University of Liverpool, Liverpool, UK

- Theory degree alongside the national clinical scientist training.

2014

MSc, Medical Radiation Physics

Swansea University, Swansea, UK

2013

BSc, Theoretical Physics

Swansea University, Swansea, UK

Experience

2021-NOW

Proton Clinical Scientist

The Christie NHS Foundation Trust, Manchester, UK

2021-NOW

Honorary Research Associate

University of Manchester, Manchester, UK

2021-NOW

Topol Digital Health Fellow

The Christie NHS Foundation Trust, Manchester, UK

2017-2021

Bank Clinical Scientist

The Christie NHS Foundation Trust, Manchester, UK

2017-2021

Researcher PhD Student

University of Manchester, Manchester, UK

2014-2017

Trainee Medical Physicist

The Christie NHS Foundation Trust, Manchester, UK

2022	**PyFoci** ◦ Computational visualising and evaluating of radiation-induced fluorescent foci with Python.
2021	**G-NOME** ◦ Dynamic inference of Hi-C data into 3D geometries.
2020	**RipleyK** ◦ Ripley K spatial statistics in python.
2020	**eqfit** ◦ Equation fitting automation made simple with python.
2019	**RipleyK** ◦ Python module descriptions captured as json files.

Honors and Awards

2018	◦ EPSRC Travel Award
2020	◦ PTCOG59 Travel Fellowship Award
2021	◦ Topol Digital Health Fellowship
2022	◦ Radiation Research Travel Award

Academic Interests

AI in Healthcare

- Safe translation of AI solutions into clinical practice
- AI dose calculation and optimisation of proton therapy
- Synthetic data creation

Computational Radiobiology

- DNA damage and repair modelling
- NTCP and TCP modelling.

Other Interests

Hobbies: Web Design, Content Creation, Dog Walking.