

# ABRAHAM GIHAWI

## Computational Biologist

An interdisciplinary scientist in cancer microbial bioinformatics seeking the next step.



## EDUCATION

- 2021 | 2017 • **PhD Computational Biology**  
Thesis: Searching for Pathogens in Cancer Sequence Data 📍 UEA
- 2017 | 2015 • **MSc, Cancer Therapeutics - Distinction - 80%**  
Project: PHLDA1 in FGFR Inhibitor Resistant Cancer 📍 QMUL
- 2014 | 2011 • **BSc (hons) Biomedical Science - 69%**  
Project: A Portable Test for Bacteria & Urobilinogen in Urine 📍 Lincoln



## EXPERIENCE

- 2021 | 2022 • **Post-Doctoral Senior Bioinformatics Officer**  
Cancer Genetics and Metagenomics 📍 UEA
  - Investigating links between pathogens and aggressive prostate cancer
- 2017 | 2015 • **Medical Laboratory Assistant**  
Royal Sussex County Hospital 📍 Brighton
  - Processed and analysed clinical samples in adherence with trial protocols
- 2015 | 2014 • **Health Advisor NHS 111**  
Care UK 📍 Dorking
  - Triaged patients and provided healthcare advice via telephone
- 2014 | 2013 • **NHS Experience Placements**  
Princess Diana & Scunthorpe General 📍 Grimsby & Scunthorpe
  - Departments including: Radiology, Nuclear Medicine, Cardiology, Pathology (Biochemistry, Haematology, Transfusion, Andrology, Virology)



## PUBLICATIONS

- 2019 • **⌘ SEPATH: benchmarking the search for pathogens in human tissue whole genome sequence data leads to template pipelines**  
Genome Biology 📍 DOI: 10.1186/s13059-019-1819-8  
Abraham Gihawi, Ghanasyam Rallapalli, Rachel Hurst... Daniel S. Brewer
- 2019 • **⌘ Potential for diagnosis of infectious disease from the 100,000 Genomes Project Metagenomic Dataset: Recommendations for reporting results**  
Wellcome Open Research 📍 DOI: 10.12688/wellcomeopenres.15499.1  
Gkikas Magiorkinis... Abraham Gihawi... Colin Cooper.



## OTHER

**Successful Grants:** "Unravelling how bacterial infection drives the development of aggressive prostate cancer" - Prostate Cancer UK

**Peer Review:** Genome Biology (BMC), Genomics (Elsevier)

## CONTACT

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## SKILLS

**Programming:** R, Python, Unix

**Expertise:**

Computational Pipelines

Microbial Bioinformatics

High Performance Computing

Dimensionality Reduction

Translational Cancer Research

## CONFERENCES

**Posters:**

[NCRN Symposium \(2020\)](#) 🏆

[Genomics England \(2019\)](#)

[EMBL Heidelberg \(2018\)](#)

**Talks:**

[NCRN \(2021\)](#)

[UEA PGR Conference \(2018\)](#)

## REFERENCES

[Prof. Daniel Brewer](#)  
[D.Brewer@uea.ac.uk](mailto:D.Brewer@uea.ac.uk)

[Prof. Colin Cooper](#)  
[Colin.Cooper@uea.ac.uk](mailto:Colin.Cooper@uea.ac.uk)

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