Dr Arran Hamlet

EPIDEMIC INTELLIGENCE SERVICE OFFICER

Centers for Disease Control and Prevention, Atlanta, USA

✉ arranh92@gmail.com | ⓐ arranhamlet | ⓘ arranhamlet

Infectious disease epidemiologist and mathematical modeller with extensive experience in data analysis and statistical/mechanistic modelling to inform outbreak response and public health policy.

Education

PhD titled 'Yellow fever in South America: The role of environment and host on transmission dynamics'	*Jan 2017-Jan 2020*
IMPERIAL COLLEGE LONDON	*London, United Kingdom*
MSc in Epidemiology	*Oct 2014-Oct 2015*
IMPERIAL COLLEGE LONDON	*London, United Kingdom*
BSc in Biology with Psychology	*Sep 2011-May 2014*
QUEEN MARY UNIVERSITY OF LONDON	*London, United Kingdom*

Employment

Epidemic Intelligence Service Officer (Washington State Department of Health) *July 2022-*

CENTERS FOR DISEASE CONTROL AND PREVENTION *Seattle, USA*

- Responsible for leading outbreak investigations, designing and conducting epidemiological analysis, evaluating disease surveillance and establishing public health policy.

Visiting Researcher *Jun 2022-*

IMPERIAL COLLEGE LONDON *London, United Kingdom*

- Visiting researcher for mathematical and statistical modelling of malaria and yellow fever.

Postdoctoral Researcher (Malaria) *Jan 2020-Jun 2022*

IMPERIAL COLLEGE LONDON *London, United Kingdom*

- Involved in a variety of projects assessing the public health impact of various control measures on the burden of malaria across Africa using mechanistic transmission models.

Postdoctoral Researcher (Nigeria COVID-19 response) *Apr 2020-Dec 2020*

IMPERIAL COLLEGE LONDON *London, United Kingdom*

- Lead researcher for Imperial College London's data analytics and modelling support for the Nigerian Government.

PhD in Infectious Disease Modelling *Jan 2017 - Jan 2020*

IMPERIAL COLLEGE LONDON *London, United Kingdom*

- PhD thesis titled 'Yellow fever in South America: The role of environment and host on transmission dynamics'.
- Explored the role of climate, landcover and zoonotic reservoirs on the distribution of yellow fever in South America.

Research Assistant *Oct 2015 - Dec 2016*

IMPERIAL COLLEGE LONDON *London, United Kingdom*

- Outbreak analysis and response for the 2015-2016 yellow fever outbreak in Angola and the Democratic Republic of the Congo working with the World Health Organization (WHO) and investigating the impact of climate on yellow fever transmission.

Consultancy

Course Instructor and Curriculum Designer   *Jan 2022 -*
AppliedEpi   *Online*

Lead author for chapters on data analysis and regression for applied epidemiologists   *Jan 2022 -*
AppliedEpi   *Online*

Epidemiologist: COVID-19   *Feb 2020 - Apr 2020*
World Health Organization   *Geneva, Switzerland*

Epidemiologist: Yellow fever   *Jul 2016 - Sep 2016*
World Health Organization   *Geneva, Switzerland*

Epidemiologist   *Feb 2016 - Mar 2016*
Ozygen Systems   *London, United Kingdom*

Funding awards

MRC Pump Priming (£23,000)   *Nov 2019*
Imperial College London   *London, United Kingdom*

MRC Exceptional Training Opportunity (£4,600)   *Oct 2017/Aug 2018/Jun 2019*
Imperial College London   *London, United Kingdom*

Teaching

Shortcourse co-organiser   *Jan 2021 - Sep 2021*
Imperial College London   *London, United Kingdom*

PhD Assessor   *Oct 2020-Jun 2023*
University of São Paulo   *São Paulo, Brazil*

MSc Dissertation Supervisor   *May 2020 - Oct 2020*
Imperial College London   *London, United Kingdom*

Graduate Teaching Assistant   *Jan 2017 - Jun 2022*
Imperial College London   *London, United Kingdom*

Shortcourse Demonstrator   *Jun 2019*
Instituto Nacional De Salud and Pontificia Universidad Javeriana   *Bogota, Colombia*

Publications

First author publications - 6

Additional publications - 32