

Dr. Manon Ragonnet-Cronin

manonragonnet@uchicago.edu

CAREER SUMMARY

- **University of Chicago**, research scientist with Professor Cobey 2022 - present
- **UK Health Security Agency COVID Genomics Cell**, senior modelling analyst 2021 – 2022
- **Imperial College London**, research fellow with Dr Volz 2018 – 2022
- **Botswana Harvard Partnership**, research fellow with Dr Gaseitsiwe Jan 2020
- **University of California San Diego**, postdoctoral researcher with Dr Wertheim 2017 – 2018
- **University of Edinburgh**, postdoctoral researcher with Prof. Leigh Brown 2015 – 2016
- **Africa Centre, South Africa**, research fellow with Prof. de Oliveira Feb 2016
- **University of Edinburgh**, PhD with Prof. Leigh Brown (Evolutionary Biology) 2011 - 2015
"Viral transmission networks inferred from HIV sequence data"
- **Uganda Virus Research Institute**, research fellow with Dr Kaleebu April 2014
- **University of Ottawa**, Canada, MSc with Dr Aris-Brosou (Bioinformatics) 2009 - 2011
"Viral phylodynamics of HIV in Canada"
- **Public Health Agency of Canada**, researcher with Dr Brooks 2008 - 2011
- **Medical Research Council, Gambia**, research student with Dr Holland 2006 - 2007
- **University of Manchester**, BSc Genetics with Industrial Experience (*First class*) 2004 - 2008
"Phylogeographic analysis of *Anopheles* species in Borneo"

QUALIFICATIONS

- PhD, University of Edinburgh, Institute for Evolutionary Biology, UK 2011 - 2015
Molecular Epidemiology/ Evolutionary Biology, Prof. Leigh Brown
"Viral transmission networks inferred from HIV sequence data"
- MSc, University of Ottawa, Department of Biology, Canada 2009 - 2011
Bioinformatics, Prof. Aris-Brosou
"Viral phylodynamics of HIV in Canada"
- BSc (Hons), University of Manchester, UK 2004 - 2008
Genetics with a year Industrial Experience (*First class*)
"Phylogeographic analysis of *Anopheles* species in Borneo"

GRANTS

Total since 2010: £278,000

- **MRC Skills Development Fellowship, Imperial College London, £141,000** 2018 – 2022
"Beyond 90-90-90: Phylodynamic analysis to guide HIV surveillance, control & elimination": Use phylodynamic modeling to identify the source of new infections in the UK (concentrated HIV epidemic) and Botswana (generalized HIV epidemic)
- European Partners Fund (funding for supervised student), £4,000 Nov 2021
"SARS-CoV-2 transmission heterogeneity in the UK Alpha wave estimated through phylodynamic modelling"
- PANGEA (funding for supervised student), £19,000 Mar 2020
"Identifying population structure in Botswana from HIV sequences"
- Research England Global Challenges Research Fund, £13,580 Nov 2019
"Improving HIV phylodynamic research capacity in Botswana": deliver training on sequencing and bioinformatics, discuss research ideas and build collaborations
- Wellcome Trust Research Fellowship, Africa Centre, South Africa, £1500 Feb 2016

- **BBSRC Doctoral Training Grant, University of Edinburgh, £60,000** 2011 - 2015
- BBSRC Science Policy Internship, London, UK, £6000 Sept 2014
- BBSRC Activating Impact grant, Uganda Virus Research Institute, £2000 April 2014
- Researcher-Led Fund Initiative, University of Edinburgh, £300 Jan 2013
- **Canada Memorial Foundation Scholarship, University of Ottawa, CAD\$40,000** 2010 - 2011

AWARDS

- Thistle poster award, HIV Drug Therapy, Glasgow, UK Oct 2018
- UCSD Postdoctoral conference poster slam winner, San Diego, CA, USA Nov 2017
- Open Science Grid fellowship, Madison, WI, USA July 2017
- CROI 2015 Young Investigator Award Feb 2015
- James Rennie Bequest travel award, University of Edinburgh, UK June 2014
- Travel Fellowship, Network Modelling of Epidemics, Seattle, WA. USA June 2014
- University of Edinburgh Community Volunteer of the year, *shortlisted* April 2013
- CROI 2013 Young Investigator Award March 2013
- Wellcome Trust Advanced Course Bursary, Cambridge Nov 2012
- University of Ottawa Travel Award, Canada May 2011
- Student Poster Award, 5th Public Health Agency of Canada Research Forum March 2011
- CROI 2011 Young Investigator Award Feb 2011
- Student Poster Award, Robert Cedergren Bioinformatics Colloquium Nov 2010
- Student Award, Best Student in Genetics 2008, University of Manchester June 2008

SELECTED MEDIA COVERAGE

COVID-19 genomic analysis 2021

The Guardian: <https://www.theguardian.com/commentisfree/2021/dec/22/omicron-scientists-variant-virus-lab-public-health>

The Guardian: <https://www.theguardian.com/commentisfree/2021/may/22/how-genetic-sequencing-is-helping-scientists-find-the-next-covid-variant>

Predictors of hepatitis C transmission risk 2019

Infectious Disease Advisor: www.infectiousdiseaseadvisor.com/home/advisor-channels/hepatitis-advisor/predictors-of-transmission-risk-in-hepatitis-c/

HIV transmission among transgender women 2018 – 2019

The Body Pro: www.thebodypro.com/content/81639/concerns-over-use-of-molecular-hiv-surveillance.html?ic=2005

Contagion Live: www.contagionlive.com/news/identifying-hiv-clusters-to-help-transgender-women-with-hiv

Medical Xpress: medicalxpress.com/news/2019-02-tracking-hiv-ever-evolving-genome-effort.html

POZ: www.poz.com/article/genetic-analysis-parses-hiv-transmits-las-trans-women-community

AIDSMAP: www.aidsmap.com/Transgender-women-in-Los-Angeles-are-more-likely-to-be-in-high-HIV-incidence-clusters-than-any-other-group/page/3244253/

HIV PLUS MAG: www.hivplumag.com/research-breakthroughs/2018/3/05/transgender-women-represented-global-aids-conference

Outbreak of HIV among people who inject drugs 2018

AIDSMAP: www.aidsmap.com/How-has-Glasgow-responded-to-an-outbreak-of-HIV-among-people-who-inject-drugs/page/3363295/

AIDSMAP: www.aidsmap.com/HIV-outbreak-among-people-who-inject-drugs-in-Glasgow-now-involves-over-100-infections-many-homeless/page/3262467/

HIV transmission of among undisclosed men who have sex with men 2018
Avert: <https://www.avert.org/news/%E2%80%98out%E2%80%99-vs-%E2%80%98hidden%E2%80%99-%E2%80%93-how-hiv-transmission-patterns-differ-men-who-have-sex-men>
AIDSMAP: www.aidsmap.com/One-in-five-heterosexual-men-in-the-UK-caught-their-HIV-from-another-man/page/3119114/
The Sun: www.thesun.co.uk/news/6451456/men-secret-gay-sex-hiv-risk/
AIDSMAP: www.aidsmap.com/Substantial-proportion-of-male-HIV-infections-labelled-as-heterosexual-exposure-in-UK-probably-due-to-sex-with-other-men/page/2867845/

Automated analysis of HIV transmission clusters 2013
International AIDS Vaccine Initiative (2013), 17(2): www.iavireport.org/vol-17-no-2-summer-2013/906-the-math-of-hiv

PROFESSIONAL SERVICE

Impact on policy

COVID-19 pandemic 2020 – 2022
UKHSA SARS-CoV-2 variant technical briefings
<https://www.gov.uk/government/publications/investigation-of-sars-cov-2-variants-technical-briefings>
Imperial COVID-19 Response Team: <https://www.imperial.ac.uk/mrc-global-infectious-disease-analysis/covid-19/covid-19-reports/>

Outbreak of HIV among people who inject drugs in Glasgow 2018
National AIDS Trust: www.nat.org.uk/sites/default/files/HIV_outbreak_in_glasgow_1.pdf
Scottish Drugs Forum: www.sdf.org.uk/wp-content/uploads/2018/11/HIV-in-Glasgow-Responding-to-an-Outbreak-SDF-Bulletin-for-World-AIDS-Day-2018.pdf

HIV transmission among undisclosed men who have sex with men 2015
National AIDS Trust:
www.nat.org.uk/sites/default/files/publications/Het_HIV_prevention_July2015.pdf

Conference organization

Local organizing committee

Dynamics and Evolution of Human Viruses (virtual) 2021
Dynamics and Evolution of HIV and Other Human Viruses (virtual) 2020
24th HIV Dynamics and Evolution, Skye, Scotland 2017