

Dr Jonathon Alexis Coates

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Motivated researcher looking for consultant or MSL roles to apply leadership and analytical skills developed within academia. Track record of international project management and supervision of teams. Experience includes writing for multiple audiences and outlets (scientific papers, lay audiences, news organisations), presenting complex information and problem solving.

Relevant experience

BHF Postdoctoral Research Assistant (2020 - Present) Queen Mary, University of London

- Project management and leadership of a research project which involved; designing and performing experiments, data analysis, data presentation and paper writing.
- Synthesising information to be relayed to various professional and lay audiences through talks, writings (opinion pieces in scientific news outlets) and interactions with the general media ([BBC](#), [The Economist](#), [Popular Science](#), [German](#) and [Austrian](#) National radio).
- Member of the PhD-Postdoc committee and research affiliate at [Hughes Hall College](#), University of Cambridge.
- Managed the supervision of 3 undergraduates, 2 masters and 1 PhD student, including editing dissertations, providing feedback and training in lab skills.
- Published two senior author papers as the project lead for an independent, international, research collaboration ([Fraser et al.](#), *PLOS Biology* & [Brierly et al.](#), *PLOS Biology*).
- Presented at invited talks across the UK to disseminate the outcomes of research to scientific audiences and on panels discussing the importance of open science.

Founder and host, Preprints in Motion [Podcast](#) (2021 - Present)

- Founded, produce and host a podcast focused on open science and academic culture. Preprints in Motion aims to promote the benefits of innovative approaches to scientific publishing, improving the quality of research and providing a voice to under-represented scientists.
- In the first year I have led the team into the top 20 charts in 9 countries (peaking at #1) and secured over £1400 in funding.
- This involves team and project management, budgeting, grant writing and community and relationship building with guests and listeners.

Founder, UK & EU postdoc [slack](#) (2020 - Present)

- Founded and manage a vibrant slack & Twitter community to provide a space for UK and European postdoctoral researchers. Currently has over 400 members from across Europe and picked up by the UK's national research funder as a valuable community building effort.
- Organized shared career materials (CVs, fellowship examples) and workshops featuring major UK funding bodies to support the career development of early career researchers.

Postdoctoral Research Scientist (2019-2020) Babraham Institute, University of Cambridge

- Wrote weekly progress reports and presented work at departmental meetings and

international conferences.

- Established and developed techniques new to the lab.
- Post-doctoral Research Associate at Hughes Hall College (£1000 stipend) & member of post-doc committee.

PhD researcher (2015-2019)

University of Sheffield

- Uncovered the existence of macrophage subtypes in *Drosophila* and demonstrated functional differences between the populations which was published in [eLife](#).
- Collaborated with other group members on additional projects and publications ([PLOS Biology](#)).
- Established and optimised a range of techniques new to the lab such as functional microscopy assays.
- Acted as a project and team manager for the 2016-2017 Sheffield iGEM entry; Co-developed the project and designed the experimental plan with a £50,000 budget. Independently led the project for its duration, training and managing a team of 17 (10 undergraduates, 5 PhD students and 2 postdocs). Awarded a gold medal and nominated for best diagnostic project.
- Awarded best presentation in the BMS departmental symposium (2016, 2018) and best poster in the faculty of science poster day (2017). Received the first Ian Peake award for contributions to the department and its wider reputation.

Healthcare Innovations Consultant Trainee (2014)

RTC North

- Independently managed projects for research and development, involving the assessment and evaluation of innovative healthcare ideas, and crafting detailed reports for clients.

Communication & Public Engagement

Talks: 6 invited talks focusing on preprints & science communication.

Writing: 3 articles on the benefits of preprints in [The Conversation](#), [The Scientist](#) and BSCB magazine. [preLights](#) contributor (2019-).

Podcasts: [Preprints in Motion](#) (2021-), Crossing Over (2022-).

Public engagement: I'm a Scientist (2022), Researchers night (2016-2018), Our Immune Army (2017), Festival of Life (2016-2017), International radio appearances ([BBC](#), [Austrian national broadcaster](#), [German national radio](#)), various contributions to news pieces (incl. [Nature](#), [The Economist](#), [Popular Science](#)).

Teaching: Research student supervision (2018, 2021-), [Preprints in Life Sciences Syllabus & course development](#) (2021), Lab demonstrating (2018), A-level Biology (2012, 2014-2015).

Education

Ph.D.	2015-2019	Immunology & Molecular biology , University of Sheffield. Thesis: Macrophage heterogeneity in <i>Drosophila melanogaster</i> . Supervisors: Iwan Evans & Martin Zeidler
MRes	2014-2015	Immunobiology , Newcastle University. Thesis: IL-1 α in arthrofibrosis pathogenesis. Supervisor: Lee Borthwick & Prof Andrew Fisher
B.Sc.	2010-2013	Biomedical Science , University of Northumbria. Awarded Dean's list for outstanding academic achievement.

