

# Dr Jonathon Alexis Coates

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Scientist with over 10 years' experience in immunology and metascience and 4+ years' experience in science communication including podcasting and writing for scientific, lay and professional audiences. Significant experience in network building and relationship cultivation with stakeholders across academia, publishing and industry. Track record of international project management and collaboration. 6 years' experience advocating for preprint usage and open science adoption through talks, writing, research, discussions, podcasting and community leading.

## Core relevant skills

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- Advocacy
- Scientific communication
- Project management
- Team management and leadership
- Stakeholder engagement
- Community management

## Communication & Public Engagement

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**Talks:** 13 invited talks focusing on preprints, open science and science communication.

**Writing:** 8 [scientific articles](#) (5 as lead/senior author), 5 articles on the benefits of preprints in [The Conversation](#), [The Scientist](#), BSCB magazine and Physiology magazine. [preLights](#) contributor (2019-).

**Podcasts:** [Preprints in Motion](#) (2021-), In the PIs seat (exec producer; 2023-).

**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](#)), [Primer](#) on preprints for UK reproducibility Network (2022).

**Teaching:** Research student supervision (2018, 2021-2023), [Preprints in Life Sciences Syllabus & course development](#) (2021), Lab demonstrating (2018), A-level Biology (2012, 2014-2015).

**Scientific Advisory Board:** EMBL-EBI Europe PubMed Central (2022-).

## Relevant experience

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Associate Director (2023-Present)

ASAPBio

- Manage and train the yearly ASAPbio Fellows cohorts of 45 individuals across the globe
- Design and deliver outreach and training based around preprints & communication
- Co-develop and implement strategic decisions, including interacting with board members
- Conceive and deliver initiatives around preprints and open science, liaising with multiple stakeholders across the world.

BHF Postdoctoral Research Scientist (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.
- Communicating information to be relayed to various professional and lay audiences through invited talks, writings ([opinion pieces](#) in scientific news outlets) and interactions with the general media ([BBC](#), [The Economist](#), [Popular Science](#), [German](#) and [Austrian](#) National radio).
- Published two corresponding author papers as the project lead for an independent, international, research collaboration focused on preprint usage and quality ([Fraser et al.](#),

*PLOS Biology* & [Brierly et al., PLOS Biology](#)) which received significant [media attention](#).

- 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.
- Managed the supervision of 4 undergraduates, 2 masters and 1 PhD student, including editing dissertations, providing feedback and training in lab and academic skills.

Founder, host & executive producer (2021 - Present)

Preprints in Motion [Podcast](#)

- Founded, produce and host a podcast focused on preprints and open science. The podcast promotes the benefits of preprints, innovative approaches to scientific publishing, improving the quality of research and providing a voice to under-represented scientists.
- In the first year I led the team into the top 20 charts in 11 countries (peaking at #1) and secured over £1400 in funding.
- Team (5 reports) and project management, budgeting, grant writing and community building with listeners in addition to stakeholder management with guests and funders.

Founder & community manager (2020 - 2023)

UK & EU postdoc [slack](#)

- Founded and manage a slack & X community to provide a space for UK and European postdoctoral researchers. Currently >450 members from across Europe and chosen by the UK's national research funder as a valuable community building initiative.
- Organized shared career materials and workshops featuring major UK funding bodies to support the development of early career researchers.

Postdoctoral Research Scientist (2019-2020)

Babraham Institute, University of Cambridge

- Wrote weekly progress reports and presented work at international conferences.
- Established and developed techniques new to the lab and wrote all lab-associated SOPs.
- Post-doc Associate at Hughes Hall College (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](#).
- Chaired the department PhD student committee, which included organising a seminar series, 2-day scientific retreat (for ~100 people) and team management with conflict resolution.
- 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.
- Received the first Ian Peake award for positive contributions to the department reputation.

## Education

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Ph.D.	2015-2019	<b>Immunology &amp; Molecular biology</b> , University of Sheffield.
MRes	2014-2015	<b>Immunobiology</b> , Newcastle University.
B.Sc.	2010-2013	<b>Biomedical Science</b> , University of Northumbria. Awarded Dean's list for outstanding academic achievement.