# Focus group topics

**Key question throughout: What can Wellcome do in practice to promote Open Research? What would make you change your practices?**

### 1. General – Open Research

- Briefly describe your research and your approach to practicing open research, e.g. do you make pre-prints available, upload data to a repository, share code, or something else.
- Why do you make these resources available? What benefits, if any, do you gain from practising open science?
- What do you consider to be a main barrier to open science in your field?
- Do varying 'openness' expectations in different countries influence collaborative research?
- How do you encourage staff that you oversee (inc. early-career researchers) to practice open science?
- What should Wellcome do to encourage open science practices in general?
- Are different actions needed for different kind of researchers, e.g. early vs late career, uk vs non-UK, different academic domains

### 2. Publications

- Wellcome has encouraged researchers to make their publications available as OA and provided APC funds for several years. What additional work could they do to encourage established & early-career researchers to publish OA?
- What barriers exist to open access publication? The survey revealed some concern that journal publishers would look unfavourably on an article that had been made available in a pre-print repository.
- Impact factor is considered by many to be a wrong measure for research quality, for career progression, for funding decisions, etc. What can be used instead?
- What could the Wellcome do to increase the breadth of publications that are made available? E.g. encourage sharing of book chapters, discussion papers, negative results, and other non-peer reviewed resources
- What should the Wellcome do to encourage better practice related to open access publication, e.g. encourage use of open peer reviews and community commentary on papers (via Publon and Wellcome platform), encourage take-up of alternative impact measures, etc.

### 3. Data sharing and reuse

- Briefly outline the approach that you and your colleagues take to sharing your type of research data. What do you consider to be good/bad practice within your discipline?
- As a data creator, what do you see as the primary barriers to data sharing within your field?
- How could the Wellcome help you to address these?
- How real is the fear that data sharing may jeopardise future publications (as evidenced through the recent 'research parasite' debate), particularly among early-career researchers afraid of being scooped. How can the Wellcome address these concerns?
- Do you and how cost data management and sharing for your research applications?
- How could Wellcome enhance the data sharing infrastructure?.
- How should funders support and encourage greater data sharing practices in medium and low income countries?

### 4. Code sharing and reuse

- Do you write code in your research? What purpose does it serve?
- Should code be made available to other researchers? What value might it have?
- Do you feel that you are rewarded for producing and sharing code? How should this be measured?
- What do you consider to be the barriers to code sharing? e.g. commercial use, lack of recognition of its value, short-term validity, etc.
- How should the Wellcome encourage greater code sharing?
- Some researchers express concern about the support demand that data/code sharing will generate. What could Wellcome do to help authors manage this additional workload?
- What features should the Wellcome open platform provide to support code sharing?
- What support is needed to improve quality of code generated in research? What is needed to make code reusable?