

## Appendix S1: Questionnaire Questions

The following are the questions that were included on the questionnaire.

- Q-1 Select the research field, from the list below that is the closest resemblance of your own:  
Applied Science / Astronomy / Biology / Chemistry / Earth Science / Environmental Science / Life Science / Medicine / Physics / Psychology / Other
- Q-2 Provide more details about what your particular field of research is?
- Q-3 How do you think the general public (non-scientists) views your particular field's research efforts?
- Q-4 How do you think the general public (non-scientists) views the efforts of the scientific community as a whole?
- Q-5 Characterize what constitutes an experiment in your field. If you don't use this term what term and meaning would be the closest.
- Q-6 To your best approximation, what percentage of the experiments you conduct end up in published work?
- Q-7 To your best approximation, what percentage of the experiments conducted in your field are replicated?
- Q-8 In your opinion, what percentage of the experiments conducted in your field should be replicated?
- Q-9 To your best approximation, what percentage of papers published in a typical peer reviewed journal in your field (in the past year) contains:  
(A) incorrect citation (B) incorrect figures (C) incorrect facts (D) flawed results
- Q-10 Discuss the peer review process, for a typical journal in your field.
- Q-11 What are the benefits of the peer review process?
- Q-12 What are the drawbacks of the peer review process?
- Q-13 Who should have access to your publications (e.g. reviewers, teachers, government, scientist, general public)?
- Q-14 Under what circumstances and cost should your publications become available (e.g. free, at cost, yearly fee, availability at libraries, by request)?
- Q-15 Who should have access to your research data and results (e.g. reviewers, teachers, government, scientist, general public)?

- Q-16 Under what circumstances and cost should your research data and results become available (e.g. free, at cost, yearly fee, availability at libraries, by request)?
- Q-17 What point in time should your data and results be available (e.g. as soon as possible, after publication, after review)?
- Q-18 What limiting factors do you have with regards to availability of your publications, data, and results (e.g. scooping, patents, publications pressures)?
- Q-19 Have you ever been “scooped”? If so, tell us about it.
- Q-20 Have you ever had problems publishing your work because your data/results appeared previously on the web? If so, tell us about it.
- Q-21 Age?  
<20 / 20-29 / 30-39 / 40-49 / 50-59 / 60-69 / 70-79 / 80+
- Q-22 Gender?  
Male / Female / Other
- Q-23 Country of Residence?
- Q-24 In what country did you complete your highest degree?
- Q-25 Position?  
Lab Technician / Junior Researcher / Senior Researcher / PhD Candidate / Postdoctoral Researcher / Assistant Professor / Associate Professor / Professor / Other (please specify)
- Q-26 What type of laboratory do you work in?  
Academic / Government / Private / Other (please specify)
- Q-27 To your best approximation, how many publications are you an author on in a peer reviewed journal or conference?