

# Reproducibility, Replicability and Trust in Science

9-11 September 2020

## Virtual Conference Agenda

| Start (BST) | Presenter details |
|-------------|-------------------|
|-------------|-------------------|

Wednesday, 9 September 2020

13:00 Welcome

*Scientific Programme Committee:*

*Michele Garfinkel, EMBO, Germany*

*Veronique Kiermer, PLOS, USA*

*Maria Leptin, EMBO, Germany*

*Johanna McEntyre, EMBL-EBI, UK*

*Marcus Munafo, University of Bristol, UK*

13:10 Keynote 1

Introduction to the session

*Chair: Marcus Munafo, University of Bristol, UK*

13:10 Journalistic vice and scientific virtue: what not to do

*Michael Blastland, Author and Journalist, UK*

13:40 Q&A

*Chair: Marcus Munafo, University of Bristol, UK*

*Moderator: Johanna McEntyre, EMBL-EBI, UK*

13:55 Break

14:20 Session 1: Incentives

Introduction to the session

*Chair: Maria Leptin, EMBO, Germany*

14:20 How impact factors and peer review can influence reproducibility

*Sandra Schmid, Chan Zuckerberg Biohub, USA*

14:40 Re-engineering research assessment in turbulent times: some considerations and ways forward

*Sarah de Rijcke, Leiden University, The Netherlands*

15:00 Training and badges to incentivise transparency in research

*Grace Gottlieb, UCL, UK*

15:10 What is worth replicating?

*Merle Marie Pittelkow, University of Groningen, Netherlands*

15:20 Q&A

*Chair: Maria Leptin, EMBO, Germany*

*Moderator: Michele Garfinkel, EMBO, Germany*

15:50 Break

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| 16:15 | Session 2: Improving Research Culture  |
|       | Introduction to the session<br><i>Chair: Veronique Kiermer, PLOS, USA</i>  |
| 16:15 | Trust in research - a collective responsibility?<br><i>Anne-Marie Coriat, Wellcome, UK</i>   |
| 16:35 | The Brazilian Reproducibility Initiative: a crowdsourced effort to assess the reproducibility of biomedical science<br><i>Olavo Amaral, Fed University of Rio de Janeiro, Brazil</i> |
| 16:55 | FAIRsharing: transforming research data policies, culture and practice<br><i>Peter McQuilton, FAIRsharing, UK</i>  |
| 17:05 | Accelerating collaborative research - The SourceData Dashboard<br><i>Hannah Sonntag, EMBO, Germany</i>   |
| 17:15 | Q&A<br><i>Chair: Veronique Kiermer, PLOS, USA</i><br><i>Moderator: Marcus Munafo, University of Bristol, UK</i>  |
| 17:45 | Break  |
| 18:10 | Poster lightning talks   |
| 18:25 | Poster session   |

# Reproducibility, Replicability and Trust in Science

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Thursday, 10 September 2020

## 13:00 Session 3: Research Quality

Introduction to the session

*Chair: Marcus Munafo, University of Bristol, UK*

13:00 Developing institutional strategies for research improvement

*Malcolm Macleod, University of Edinburgh, UK*

13:20 Quality and opportunities for improvement in industry and academia

*Tim Koder, Oxford PharmaGenesis, UK*

13:40 Transformation in graduate science education needs a global approach

*Gundula Bosch, Johns Hopkins University, USA*

13:50 Reporting quality in preprints and peer-reviewed articles

*Clarissa Carneiro, Federal University of Rio de Janeiro (UFRJ), Brazil*

14:00 Q&A

*Chair: Marcus Munafo, University of Bristol, UK*

*Moderator: Veronique Kiermer, PLOS, USA*

14:30 Break

## 15:15 Session 4: Infrastructure and Tools

Introduction to the session

*Chair: Johanna McEntyre, EMBL-EBI, UK*

15:15 Open Data and its role for good scientific practice

*Ewan Birney, EMBL-EBI, UK*

15:35 Trust and Reproducibility as unintentional outcomes? Using open science as the key enabler for collaborative, distributed research infrastructure

*Niklas Blomberg, ELIXIR, UK*

15:55 SciScore's, Rigor and Transparency Index, a new metric of quality for assessing biological and medical science methods

*Anita Bandrowski, SciCrunch, USA*

16:05 WIN Open Neuroimaging Project: Open Research Infrastructure and Community Engagement via Open Leadership Principles

*Cassandra Gould van Praag, University of Oxford, UK*

16:15 Q&A

*Chair: Johanna McEntyre, EMBL-EBI, UK*

*Moderator: Maria Leptin, EMBO, Germany*

16:45 Break

17:10 Poster lightning talks

17:25 Poster session

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Friday, 11 September 2020

|       |   |
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| 13:00 | <b>Session 5: Policy</b>  |
|       | Introduction to the session<br><i>Chair: Michele Garfinkel, EMBO, Germany</i>   |
| 13:00 | How editorial and publishing policies can influence research quality and culture<br><i>Magdalena Skipper, Springer Nature, UK</i>   |
| 13:20 | Reproducibility: in need of a policy?<br><i>Kostas Glinos, European Commission, Belgium</i>   |
| 13:40 | Prospective registration: A scoping review across research disciplines, a systematic review of <b>registration-publication discrepancies</b> , and a peer-review intervention to improve transparent reporting<br><i>Robert Thibault, University of Bristol, UK</i> |
| 13:50 | What we need to change about individual studies to improve the overall scientific process!<br><i>Gilbert Schoenfelder, German Federal Institute for Risk Assessment, Germany</i>  |
| 14:00 | Q&A<br><i>Chair: Michele Garfinkel, EMBO, Germany</i><br><i>Moderator: Johanna McEntyre, EMBL-EBI, UK</i>   |
| 14:30 | Break   |
| 15:00 | <b>Session 6: Looking to the Future - How to Improve Reproducibility, Replicability and Trust in Science?</b>   |
|       | Introduction to the session<br><i>Chair: Michele Garfinkel, EMBO, Germany</i>   |
| 15:00 | Panel discussion with the Scientific Programme Committee<br><i>Veronique Kiermer, PLOS, USA</i><br><i>Maria Leptin, EMBO, Germany</i><br><i>Johanna McEntyre, EMBL-EBI, UK</i><br><i>Marcus Munafo, University of Bristol, UK</i>                                   |
| 15:45 | <b>Closing remarks</b>  |
|       | <i>Scientific Programme Committee</i>   |