

Trainer

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- GRADE deputy managing director responsible for the natural and life sciences
- Background in psychology and neuroscience

Open Science for Transparent Research Practice

Objective

We are currently facing a reputation crisis in many fields of the empirical sciences, especially medicine and psychology. The validity of published results has been called into question due to theoretical/statistical arguments and also failed replication attempts. The reasons for the lacking reproducibility are manifold, but one major factor are questionable research practices that might invalidate significant parts of the current research corpus. Different initiatives and organizations advocate practices and principles – often labelled as “Open Science” – to ameliorate the current situation. After the workshop, participants should be able to apply open-science procedures in their own research context.

Description

You will learn about background knowledge on the current reproducibility crisis and its causes, get an understanding of the different facets of open-science practice with an emphasis on the empirical research cycle. Most importantly, you will reflect on your own research experience and will learn to practically apply different procedures for your projects.

Topics that will be covered are power analysis, statistical issues, pre-registration, open material, open code, open data, and open-science tools. We will also briefly touch on legal issues.

Due to the nature of the problem, the workshop is mostly geared towards research practice in the empirical sciences, although some aspects are applicable to all scientific fields.

Methodology

- Lectures
- Group discussions
- Practical exercises

Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from all faculties
Date	Monday, 3 June 2019, 9:00 – 17:00
Registration	For registration click here