

*Innovations in Open Science Symposium: BPS
Annual Conference 2018*

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Why we need innovations in open science

- ▶ Open science has always been one of the defining values of science:
 - ▶ Innovations in the 17th century aimed to make natural philosophy open and transparent.
- ▶ In recent years, we have seen how in practice science has fallen short of its principles:
 - ▶ Usually, small teams of researchers work in secrecy.
 - ▶ Raw data and full details of analyses are not routinely shared.
 - ▶ Only a brief carefully curated facade is eventually disclosed.

This symposium

- ▶ Chris Chambers will describe registered reports
- ▶ Richard Morey will describe the *Peer Reviewers' Openness Initiative*.
- ▶ Mark Andrews will describe RMarkdown, Jupyter notebooks, etc.
- ▶ Kate Button will describe training in open science .