



NEUROCURE



@NeuroCureBerlin

# Open Science & RDM

René Bernard



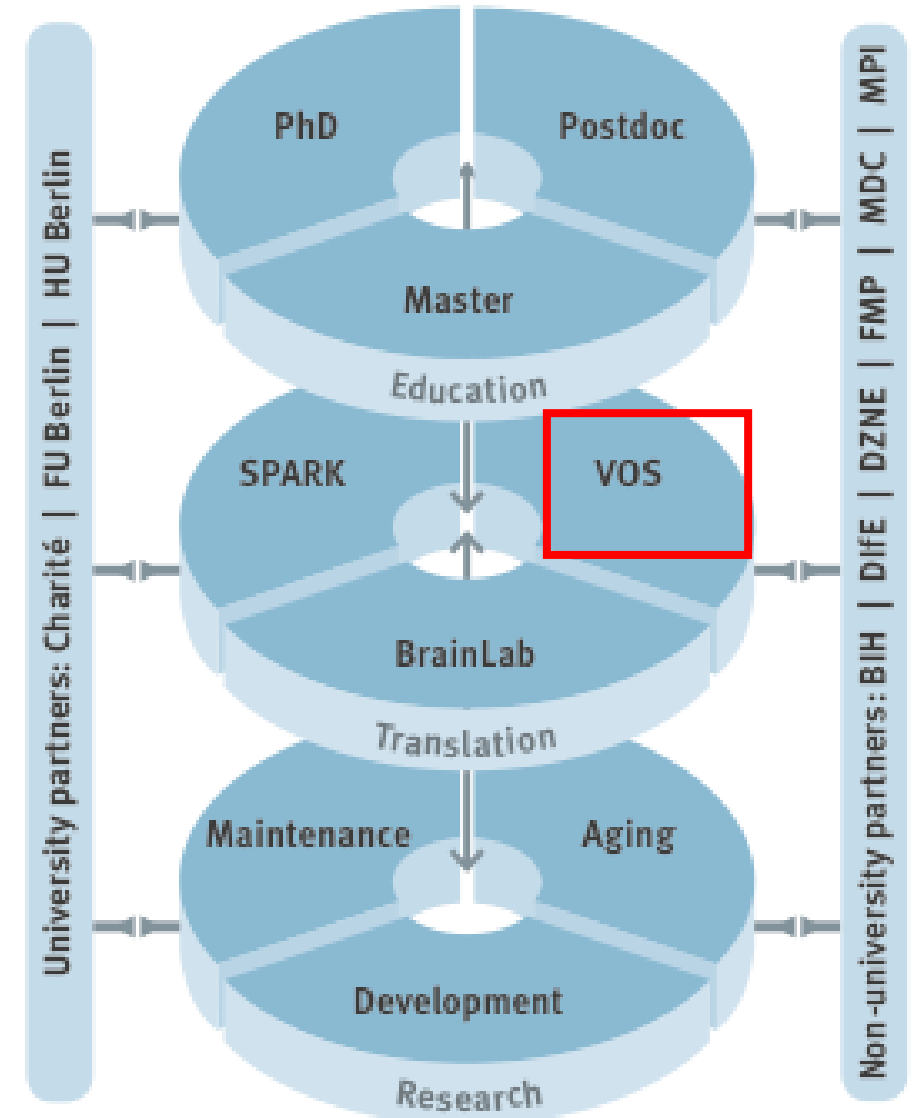
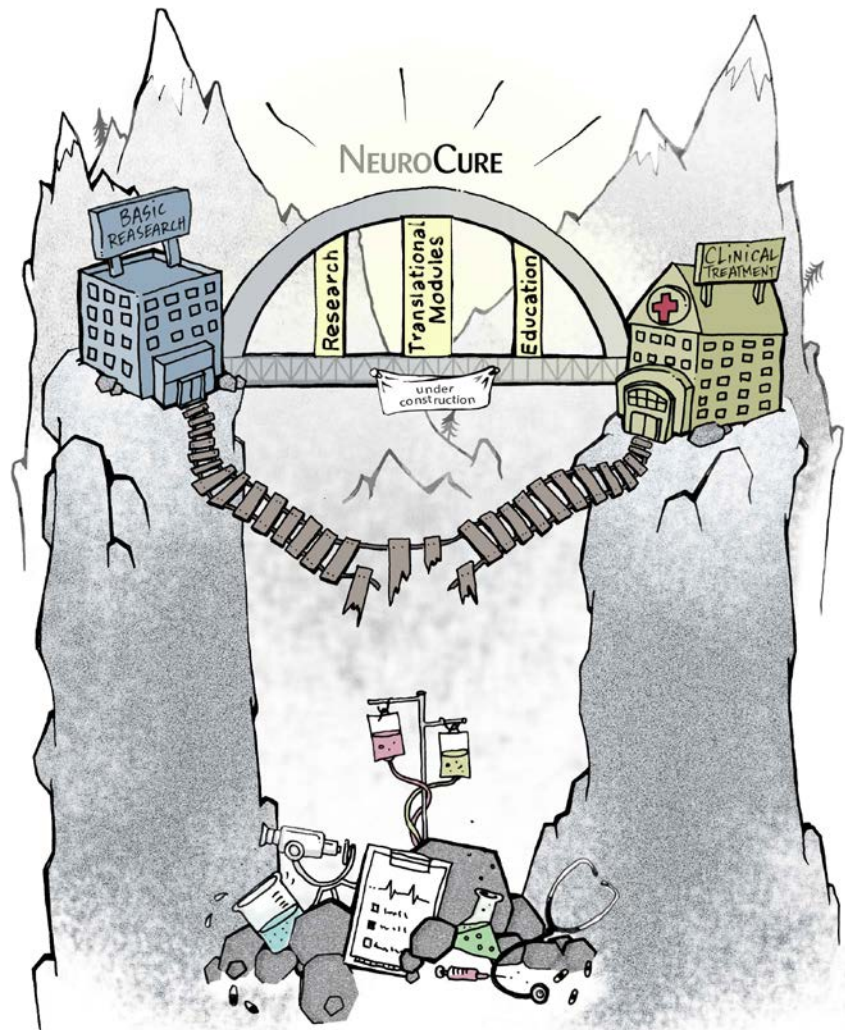
2. NFDINeuro Workshop, Magdeburg, 3.12.19

# What is NeuroCure ?

- DfG-supported Cluster of Excellence in the neurosciences at the Charité Berlin
- 6 participating Institutions
  - 25 PIs and their labs
  - Clinical + basic research
  - All neuroscience subfields
- 2 partner institutions

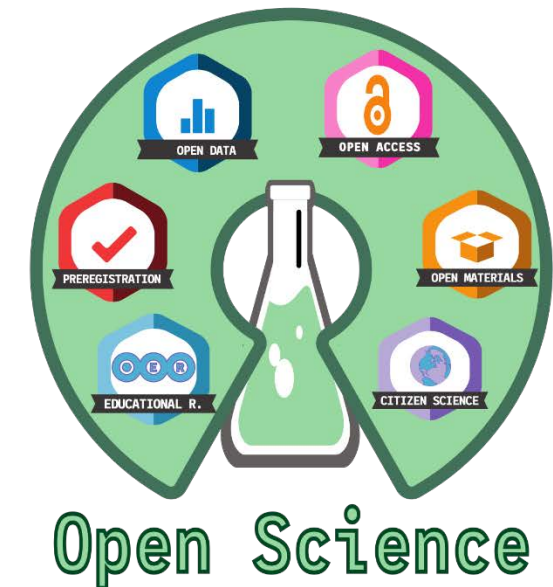
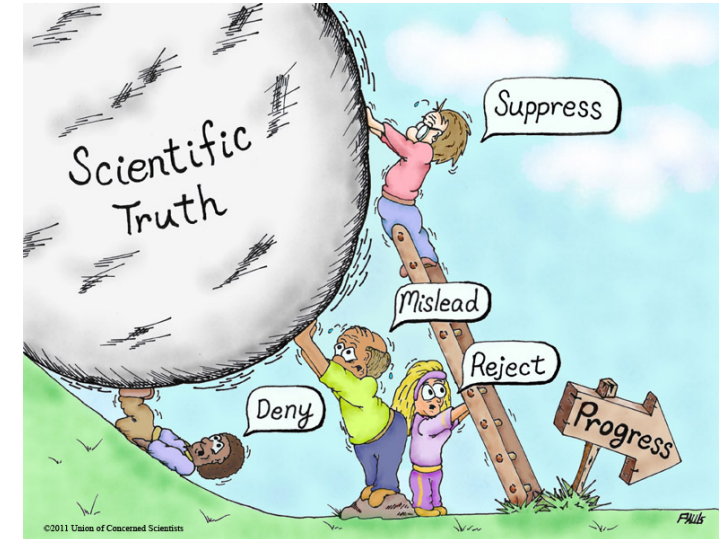


# Mission and Structure of NeuroCure



# Value and Open Science -Module

- VOS Mission: to increase the reliability, robustness, reproducibility, transparency and predictive power of NeuroCure research.
- VOS will provide education, counseling and training, as well as infrastructure and services for scientists, students and technical personnel



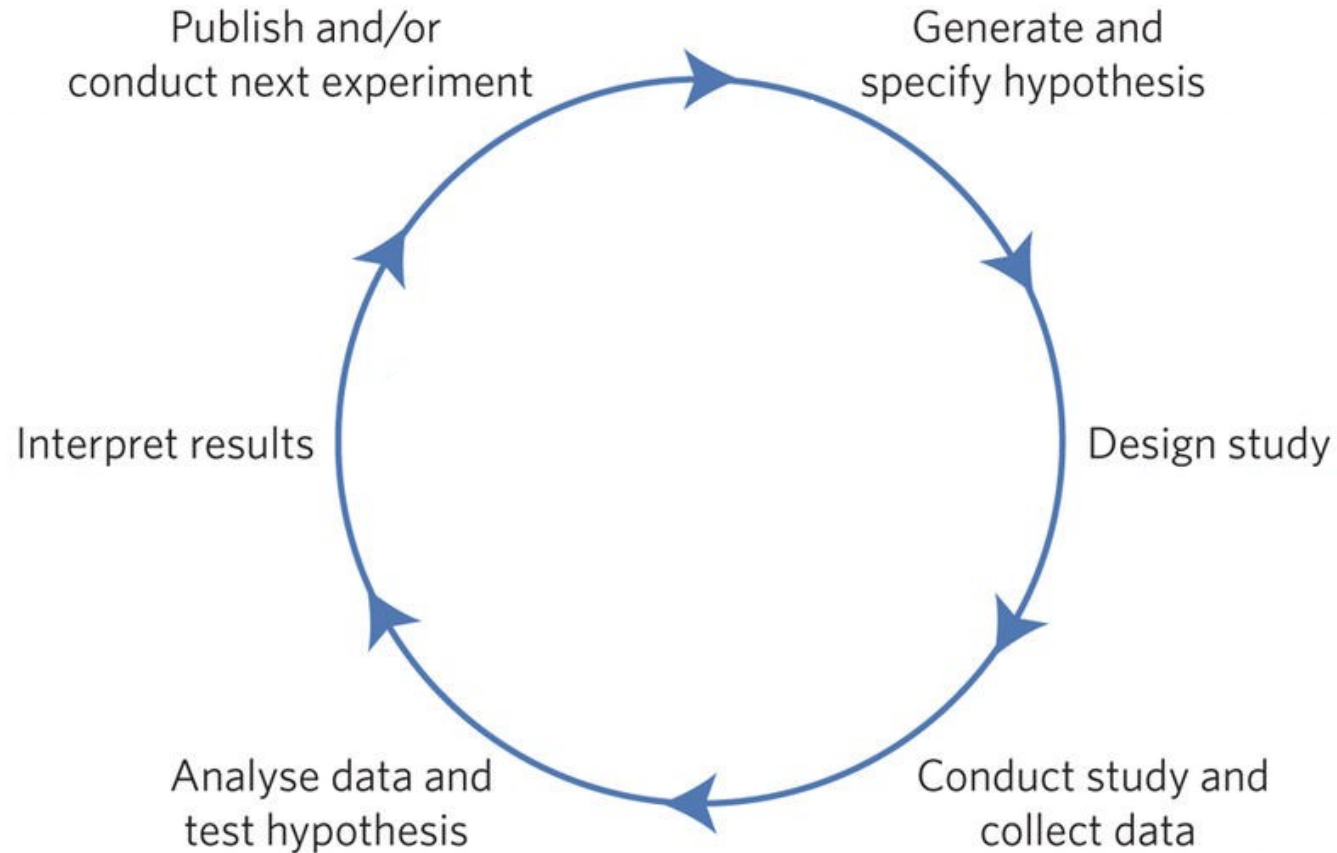
<https://www.moddb.com/groups/science/images/the-scientific-truth>

Image credit: Julian Colomb

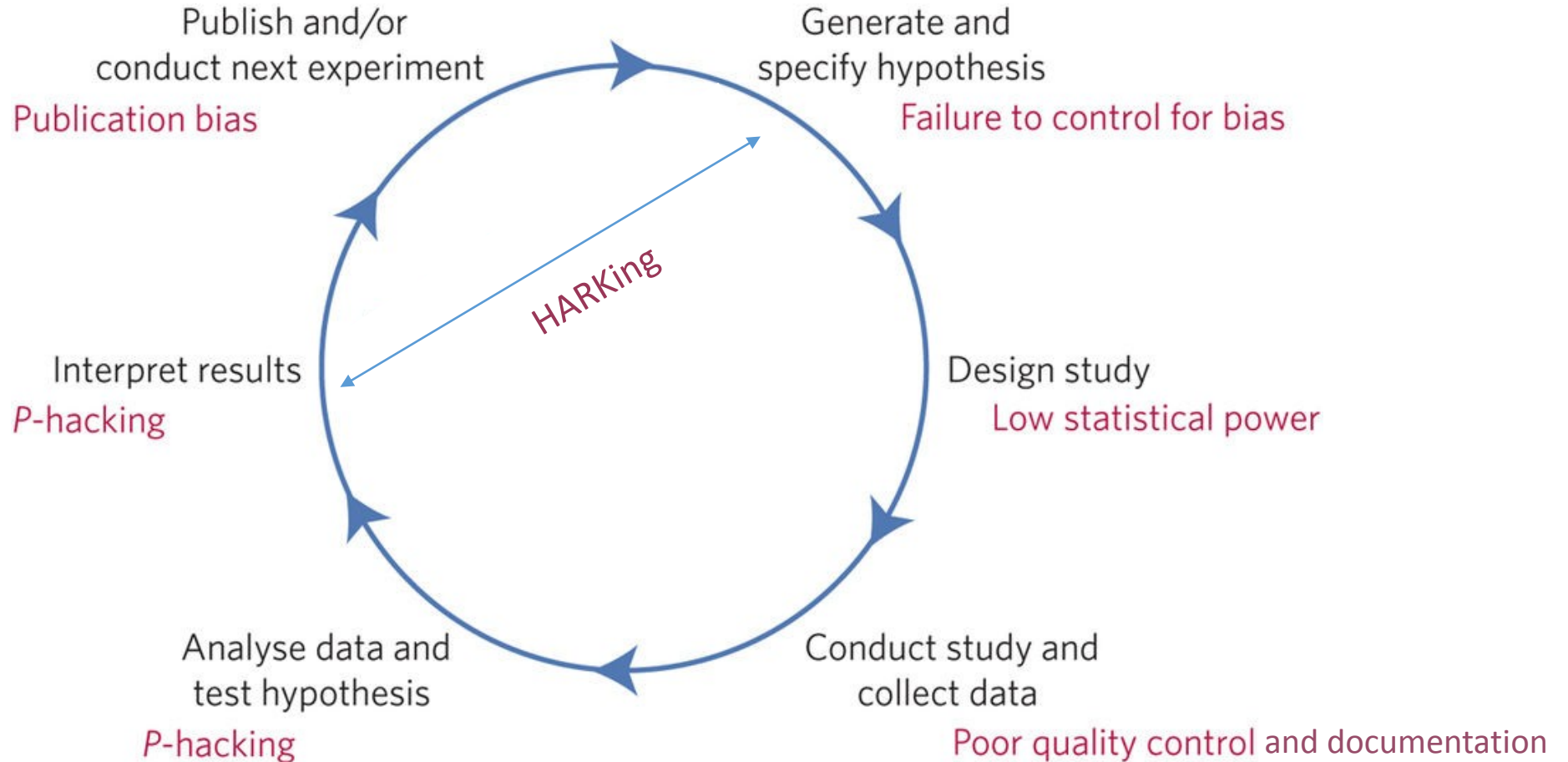
# Services and tools at the Charité fostering OS and RDM

- [Electronic lab notebook](#)
- Coming in 2020: Qumulo scalable data storage (4 Petabyte)
- Reward: [Performance-oriented funding for proven Open Data Publishing](#)
- [QUEST Center toolbox](#)
  
- DfG Open Access Fund (2018-2021)
- [Open Access Whitelist](#)
  
- Open Science criteria consideration for hiring professors ([MERIT](#))
- In progress: Research data policy with recommendations for actions
  
- Regular [Open Data Workshops](#)
- Coming in 2020: [Data Sharing Workshop](#)
  
- [Ph.D. courses on reproducibility and open science](#)
- [Open Research summer school with Oxford University](#)
- Planned: Research Data Management Workshops

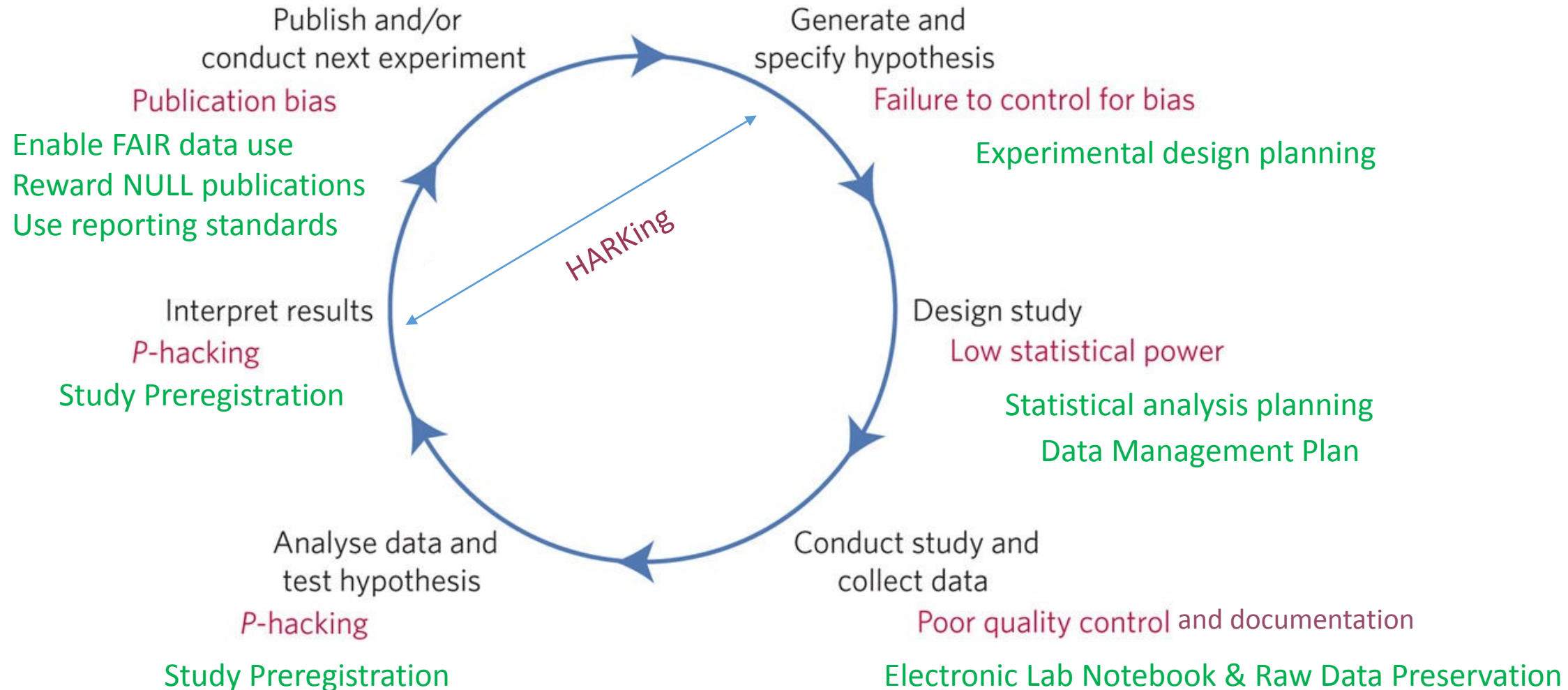
# Scientific research life cycle



# Scientific research life cycle **at risk**



# Scientific research life cycle at risk - solutions





# Approach to reach the goals

- Engagement with each research NeuroCure group
  - Status Quo (Open Science Practices, used services)
  - Needs
  - Knowledge
- Offer tailored support (for and with the group)
  - Quick solution
  - Mid term solution
  - Long term solutions
- Evaluation
  - Surveys
  - Indicators
- Take it to the next level

*Conceptualization  
(Importance, Benefits)*

*Good Teaching material  
Fitting format  
Train-the trainer concepts*

*Help from Evaluation Experts*

# Berlin University Alliance



- With BUA there is massive synergies will be created between NeuroCure (Charité, HU, FU) and the BUA - Objective 3 -Advancing Research Quality and Value
- *Center for Open and Responsible Research (COPe)* will structure and coordinate an implementation process for value-based research governance elements and policies
- ReSOURCE – portal for shared services among the four institutions (incl. RDM and Publishing)
- *Berlin OpenX Initiative* will develop and support incentives for research openness and transparency

# Thank you!

René Bernard

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Excellenzcluster NeuroCure

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