

## Organisers

Prof. Gilbert Schönfelder  
German Centre for the Protection of Laboratory  
Animals (Bf3R) at the Federal Institute for Risk  
Assessment

Prof. Ulrich Dirnagl  
Berlin Institute of Health  
BIH QUEST Center for Transforming Biomedical  
Research

German Federal Institute for Risk Assessment (BfR)  
Max-Dohrn-Straße 8–10  
10589 Berlin  
Germany  
[www.bfr.bund.de/en](http://www.bfr.bund.de/en)

BIH QUEST CENTER for Transforming Biomedical  
Research  
Anna-Louisa-Karsch-Str. 2  
10178 Berlin  
Germany  
<https://www.bihealth.org/en/quest-center/>

## Federation of European Neuroscience Societies (FENS)

The Federation of European Neuroscience Societies funded in 1998 is the main organisation for neuroscience in Europe and organises every second year the FENS Forum which became the largest Neuroscience event in Europe. The FENS-Forum 2018 will take place from the 7<sup>th</sup> to the 11<sup>th</sup> of July in Berlin. On this occasion the BfR together with the QUEST Center will organise this satellite symposium.  
[www.fens.org/2018](http://www.fens.org/2018)

## Venue

Freie Universität Berlin  
Holzlaube  
Room 2.2058 and 2.2059  
Fabeckstr. 23–25  
14195 Berlin

Destination stop ([www.bahn.de](http://www.bahn.de), [www.bvg.de/en](http://www.bvg.de/en))  
"U-Bahnhof Dahlem-Dorf (Berlin)"

## Registration

The symposium is free of charge but an early registration is recommended. Please register online by 02.07.2018.  
[www.bfr-akademie.de/](http://www.bfr-akademie.de/)

## Accreditation

The event was recognised by the German Academy for Advanced Veterinary Training as an advanced training course (4 ATF-hours).

## Contact

BfR Academy  
Tel.: +49 (0)3018 412 3456  
Fax: +49 (0)3018 412 63456  
[academy@bfr.bund.de](mailto:academy@bfr.bund.de)

# GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT



## FENS Satellite-Event: How reproducible are your data?

6. July 2018, Berlin

The way out of the reproducibility  
crisis in neuroscience



Source: CollinDB/PIXELIO

**QUEST  
CENTER**  
Transforming Biomedical Research  
Berlin Institute of Health

 **DEUTSCHES ZENTRUM  
ZUM SCHUTZ VON  
VERSUCHSTIEREN**

 **BfR**

Bundesinstitut für Risikobewertung

## FENS Satellite-Event

### The way out of the reproducibility crisis in neuro-science

The recurrent discussion on a reproducibility crisis has a strong impact on the neuroscientific research community. Scientists have to react in order to restore confidence in basic and translational research. However, which measures are the most effective to insure the robustness of published data is still a lively debate.

In this symposium the reasons underlying the reproducibility crisis but especially potential solutions will be presented. The influence of confirmatory replication studies, preprint publishing or study preregistration will be discussed. This meeting aims to show practical recommendations for neuroscientists to achieve high data quality and adopt best report practices but also reflect the role of other actors in neuroscience as scientific journals and funding organisations. We will bring together international experts from different fields of neuroscience reaching from human neuroimaging to behavioural animal research. Speakers will present their perspective as scientists, editors or member of funding organisations.

The venue of the symposium is located at the Free University of Berlin and easily accessible via public transportation.

## Friday, 6th of July 2018

### Session I

Chair part I: Gilbert Schönfelder, German Centre for the Protection of Laboratory Animals (Bf3R), Germany

1:00–1:25 p.m.

#### **Reproducibility: Foundation of science or invitation to test trivial hypotheses?**

*Ulrich Dirnagl, QUEST Center for Transforming Biomedical Research at the Berlin Institute of Health (BIH), Germany*

1:25–1:50 p.m.

#### **Animal modelling of neurological diseases: Improving internal validity and reporting**

*Emily Sena, Centre for Clinical Brain Sciences, University of Edinburgh, United Kingdom*

1:50–2:15 p.m.

#### **Reproducibility in neuroimaging**

*John-Dylan Haynes, Bernstein Center for Computational Neuroscience, Charité – Universitätsmedizin Berlin, Germany*

2:15–2:40 p.m.

#### **Standardisation and the reproducibility paradox**

*Hanno Würbel, University of Bern, Switzerland*

2:40–3:10 p.m.

#### **Scientific rigour: How to restore confidence in science**

*Panel discussion*

3:10–3:40 p.m. Coffee break

### Session II

Chair part II: Ulrich Dirnagl, QUEST Center for Transforming Biomedical Research at the Berlin Institute of Health (BIH), Germany

3:40–4:05 p.m.

#### **Confirmatory studies and registered reports: Tools to restore confidence in empirical research**

*Birte Forstmann, University of Amsterdam, The Netherlands*

4:05–4:30 p.m.

#### **Improving the quality of preclinical research: Towards a systematic preregistration of animal studies**

*Gilbert Schönfelder, German Centre for the Protection of Laboratory Animals (Bf3R), Germany*

4:30–4:55 p.m.

#### **Transparent publishing & open science – how to share reproducible data**

*Bernd Pulverer, chief editor of EMBO Journal, Germany*

4:55–5:20 p.m.

#### **Reproducibility and research funding – perspectives of a funding organisation**

*Andreas Meyer-Lindenberg, section head of the DFG review board FK206 "Neurosciences", member of DFG's Permanent Senate Commission on Key Questions in Clinical Research, Central Institute of Mental Health, Germany*

5:20–5:50 p.m.

#### **Improving science by creating new incentives**

*Panel discussion*