

Basel Biometric Society
Workshop/Seminar, 2024



FIRST ANNOUNCEMENT

**Reproducibility in
biomedical research**

Date: 12 April 2024

Time: 13:00-18:00 CET

Hybrid event: Attend in person or online

**Venue: University of Basel, Petersplatz 1,
Kollegienhaus, Hörsaal 001**

Costs: Free

Registration required (until 20 Mar): [LINK](#)

Note: Dial-in details will be communicated to registered online participants

Organizers: Valentin Amrhein (University of Basel and SwissRN, Swiss Reproducibility Network), Daniel Sabanés Bové (Roche), Andreas Ziegler (Cardio-CARE)

Reproducibility is crucial in the scientific process, where our ultimate goal is to provide reliable and useful results. The so-called reproducibility crisis has triggered many studies to analyze the problem and proposals to address it. In this seminar, speakers from different organizations will discuss reproducibility in biomedical research. They will cover the topic from different perspectives, ranging from applications in preclinical science, in biomarker development and GWAS studies, to a statistical, computational, and societal point of view.

We hope that many of you can attend this exciting seminar!

→ See the next page for the Program

Program

13.00-13.10	Welcome	Valentin Amrhein, Daniel Sabanés Bové, Andreas Ziegler
13.10-13.50	Reproducibility, replicability, or communication crisis? (Introduction)	Valentin Amrhein (Uni Basel and SwissRN)
13.50-14.15	Transparency in statistical reporting in preclinical science	Romain-Daniel Gosselin (CHUV Lausanne and SwissRN)
14.15-14.40	Systematic reviews of animal studies as avenue to reproducible and translatable preclinical research	Marianna Rosso (UZH and SwissRN)
14.40-15.05	Reproducibility of evidence generation in biomarker development	Anton Belousov (Roche)
15.05-15.45	Coffee Break	
15.45-16.10	Good data science practice: moving toward a code of practice for drug development	Mark Baillie (Novartis)
16.10-16.35	Real-world reproducibility: lessons learned from implementing a GWAS pipeline	Felix Thalén (Cardio-CARE)
16.35-17.00	Computational reproducibility – a tale about tools and attitudes	Daniel Stekhoven (ETH Zurich and SwissRN)
17.00-17.50	Panel Discussion	Balasz Banfai (Roche), Rachel Heyard (UZH), Andreas Ziegler (Cardio-CARE), Romain-Daniel Gosselin, Mark Baillie, Daniel Stekhoven, Valentin Amrhein Moderator: Daniel Sabanés Bové (Roche)