University of Zurich[UZH]

BEST PRACTICE FOR EXCELLENT IN VIVO RESEARCH

Join us for our in-person and interactive workshop at Irchel and discuss with us about improving animal research, preregistration, reproducibility and Open Science!

Participation is free but registration is required: Best Practice in In Vivo Research – Eventportal – UZH

Accreditation for ½ day of continuous education has been requested.

Tuesday, 3rd of October 2023, 13:15-17:15

tba, Irchel Campus, UZH

Office for Animal Welfare and 3Rs in collaboration with

UZH Center for Reproducible Science

RN CH Swiss Reproducibility Network

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Program

13:15 Introduction

13:30-14:30 What does that mean "doing research well"? Eva Furrer

One of the most prominent biostatisticians, Douglas Altman (1948 - 2018), has been reported to say: "To maximise the benefit to society, you need to not just do research but do it well".
What does that mean "doing research well"? We will discuss some fundamental principles that help to avoid bias in empirical studies, namely adequate sample size, blinding, randomization and non-selective reporting. We will illustrate these principles with good and bad examples from the published literature.
Finally, we present and critically appraise the results from the Reproducibility Project: Cancer Biology (https://elifesciences.org/collections/9b1e83d1/reproducibility-project-cancer-biology) in light of those fundamental principles.

14:30-14:45 Break

14:45 -16:00 Basics of Open Access and Open Data: What, how and why? Melanie Röthlisberger

This talk introduces participants to the practices of Open Science. Participants learn about various ways of making their research workflow more transparent, how to publish Open Access, and how and where to share their data. Finally, we will also discuss some of the intrinsic motivation as well as the policies that require Open Science practices.

16:00 - 17:15 Preregistration, Evie Vergauwe, Caro Hautekiet , Hanno Würbel

In this talk, we aim to introduce participants to preregistration. We will cover the value of preregistration, give an overview of the different variations of the practice (preregistration, Registered Reports, and PCI-RR), and show how it can be implemented. Additionally, through practical examples, we will give participants the opportunity to consider and discuss perceived advantages and disadvantages of preregistration (e.g., how to deal with unexpected events or errors requiring a deviation from the preregistration, what about exploratory research).