



Training Event

23rd to 24th May 2024

Rahel Hirsch Center
for Translational Medicine (RHC)

AGENDA

This 2-day training workshop is dedicated to training doctoral candidates (DCs) of the TOPGUT program on several transferable skills.

On the first day, DCs will learn about standardization and scrutinize experiments toward validity and reliability.

On the second day, DCs will learn how diversity and inclusion in science are not only important from an equality standpoint but also boost excellence in research.

Date: 23rd and 24th May 2024

Location: Rahel Hirsch Center for Translational Medicine (RHC), Luisenstraße 65, Berlin.
Room: 04 343 | Duska Dragun (23rd May 2024)
Room: 05 328 | Margaret Oakley Dayhoff (24 th May 2024)

Necessary equipment: A laptop will be necessary to participate in some of the activities.

Contact persons: Manuela Fiedler manuela.fiedler@bih-charite.de
Pilar Samperio-Ventayol samperio.ventayol@tu-berlin.de

Credit points: The workshop is mandatory for all DCs of the TOPGUT training network. Each student will receive ECTS according with European regulations



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23th May - Good scientific practice and data quality and reproducibility

09:00 – 12:00

Workshop on **Robust and reproducible research**

Dr. Ulf Tölch, BIH Quest Center, Berlin Institute of Health at Charité

Robust research data rests on valid and reliable experiments. But what does that mean? How can we ensure that we measure what we want to measure? How can statistics and experimental design contribute here? We will explore these questions and relate them to some of your individual projects. Bring your laptop and brain.

12:00 – 13:00

Lunch. We will all walk together to a nearby restaurant.

13:00 – 16:00

Workshop on **Open data and data management in biomedical research**

Dr. Evgeny Bobrov, BIH Quest Center, Berlin Institute of Health at Charité

This workshop provides an overview of the practices involved in making data freely available ('Open Data'), as well as in reusing such data. It consists of a mix of lectures and exercises. Please have a laptop at hand.

The workshop will address the following questions:

- What is open data and why is it important to share data?
- How do I choose a suitable repository for archiving?
- How do I ensure that my data is easy to find and accessible?
- How do I ensure that my data are also re-usable in the long term?
- How can I consider privacy aspects?
- How do I search for useful data sets and how do I reference them?



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- 16:15 – 17:00 Erik Becher, Hocke Lab – Molecular Imaging and Immunoregulation, Charité Berlin.
Title: **In-depth characterization of lung organoids: a multi-omics and image segmentation approach to good scientific practice.**
- 17:00 – 17:45 Julian Heuberger – Department Experimental Toxicology and ZEBET, German Federal Institute for risk Assessment, Berlin.
Title: **Standardization and translation of 3D models into regulatory testing.**

24th May - Diversity in science

- 08:30 – 11:30 **Gender Equality and Diversity in Science - How to fight bias and make academia a more equal work place (part I)**
Karin Höhne, Equal Opportunity Officer, Berlin Institute of Health at Charité

The workshop will address the influence of equality and diversity in the academic system as an essential prerequisite for innovation and high-quality scientific work.

In this workshop the participants will learn more about the (German) Academic System. Who is participating and who is missing? How much information do we have available about the people studying and doing research and what barriers and discrimination do certain groups and individuals face in this system?

In the second part of the workshop we are going to focus on privileges and assumptions and discuss how biases and barriers can influence a scientific career and how we can foster change.



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11:30 – 12:45 *Lunch. We will all walk together to a nearby restaurant.*

12:45 – 14:00 **Gender Equality and Diversity in Science - How to fight bias and make academia a more equal work place (part II)**
Karin Höhne, BIH Equal Opportunity Officer
See above

14:15 – 16:00 **Sex/gender and diversity in medicine**
*Prof. Dr. Gertraud (Turu) Stadler, Institute Gender in Medicine (GiM),
Charité- Universitätsmedizin Berlin*

We will give a brief overview for integrating thinking about heterogeneity into research in medicine and the life sciences. We will start with developing theory- and evidence based research questions for understanding heterogeneity, then give examples for designing studies including recruitment of heterogenous samples, stakeholder involvement, and assessment of sex/gender and other diversity domains, and sex/gender and diversity analysis.

16:00 Travel home



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