

Open Science: Open Access and Open Research Data

Graduate School for Health Sciences (GHS) and Cellular and Biomedical Sciences (GCB)

Date: 23 June 2026

Where: Mittelstrasse 43, room 272

Time: 10:00-12:00 h

Course work: 1 ECTS, requires 25-30 h of preparatory work

***This Course counts towards optional ECTS for GCB Students**

Content:

This 2h course introduces participants to the principal aspects of Open Science in general, and Open Access (OA) and Open Research Data (ORD) in particular. The course consists of three parts.

In the first part, we discuss the wider context and importance of Open Science as scholarly practice.

The second part introduces participants to best practices in OA publishing and the importance of developing a publishing strategy. Participants learn about OA options and funder requirements. In a hands-on exercise, participants are introduced to an online tool to help find and select a suitable OA journal for their articles.

In the third part, participants learn about: Foundational principles, ORD strategies and good scientific practices in Research Data Management, funder requirements, data governance, and research data guidelines. Participants will discuss in small groups how to find trustworthy and subject-specific data repository for re-(use).

In a discussion round, participants compare their daily research experience with the best practices and goals as put forth by UNESCO and the Swiss National Open Science (OA and ORD) Strategy.

Before the course:

1. Read:
 - a. For Open Science: [UNESCO Recommendation on Open Science - UNESCO Digital Library](#) (34 pages)
 - b. For Open Science: Swissuniversities National Open Science Strategy [Open Science - swissuniversities](#)
 - c. For Open Access: Open Access Strategy ([Swiss-National-Open-Access-Strategy-2024-en.pdf](#) read chapters 1-3)
 - d. For Research Data: Open Research Data Strategy ([Swiss National ORD Strategy en.pdf](#) read chapters 1-3)
2. Open Access: Prepare two abstracts for chapters of your dissertation. If you do not have them yet, chose two abstracts from articles that are important for your research. Bring these abstracts to the course.
3. Research Data: Find a sample of research dataset in research data repository and bring it to the course for group's discussion.

After the course:

Task: Reflect and write a summary about Open Science, Open Access (OA) and Open Research Data (ORD) practices in your own research environment. Submit your paper (ca. 800-1000 words without spaces) in English. Upload the text in ILIAS [View: Content: After the Course: ILIAS Universität Bern](#) Name_YYMMDAY to get 1 ECTS.