

Data Structuring Course for Systems Biologists

Hünfeld bei Fulda (D), St. Bonifatiuskloster, November 22 – 23, 2017

Tutors: Martin Golebiewski, Olga Krebs, Wolfgang Müller, Maja Rey, Ulrike Wittig (HITS)

November 22nd

12:00 – 13:00 *Lunch*

13:00 – 13:15 Welcome and introduction

13:15 – 14:15 Practical work: Status quo of attendees' data & Use case reports
(All attendees: Please bring and briefly introduce examples of your data, e.g. spreadsheets, formatted data, models, etc.)

14:15 – 14:45 Introduction: Standards for data formats, metadata and data annotations

14:45 – 15:15 Introduction: FAIRDOM Data Management: SEEK and OpenBIS

15:15 – 15:45 *Coffee Break*

15:45 – 16:15 Use case report: Data management at DKFZ using OpenBis as Laboratory Information Management System (Artyom Vlasov)

16:15 – 17:00 Introduction & Practical work: Data Templates for spreadsheets and Using RightField to annotate data

17:00 – 18:00 Practical work: Developing a spreadsheet template for users' needs

18:00 – 19:30 *Dinner (afterwards: Get together in the monastery bar „Klosterstube“)*

November 23rd

07:30 – 09:00 *Breakfast*

09:00 – 09:30 Introduction: Data Structuring in FAIRDOMhub/SEEK based on ISA

09:30 – 10:30 Practical Work in FAIRDOMHub and LiSyM SEEK: Data upload, Metadata description (incl. biosamples) and ISA data structuring

10:30 – 10:45 *Coffee Break*

10:45 – 12:00 Tools for ‚Excel Yoga‘:
Introduction & Practical work: Excmplify and OpenRefine

12:00 – 13:00 *Lunch*

13:00 – 13:45 Practical work: Revising the spreadsheet template from day 1

13:45 – 14:00 Wrap Up

14:00 – 16:00 Meet the data management (tutors present for individual discussions)