Softskill-Seminar   ## Image Processing for Scientists

Trainer

Dr. Anncharlott Berglar
Trainer for Scientific illustration with Adobe Software
Founder of AcB-Images Scientific Illustration Service
PhD at the interface of biochemistry/molecular biology/ parasitology

Course language: English
The students bring their own laptop and will use a trial version of the software, which will be installed prior to the course.

Course Aims

· Confidence in using image data
· Generation and preparation of images for scientific publications and posters

Course Motivation

To equip Ph.D. students and Postdocs with the essential toolset to help them use image processing software confidently in their daily scientific work. The focus is set on Adobe Illustrator. The course is suitable for beginners as well as students with little knowledge of Adobe Illustrator.

Course Agenda

Introduction of the Course Trainer and the Participants

Image Processing Basics (Lecture & Discussion)

· What is a computer image? Formats: Bitmaps, vector graphics, compression, resolution
· Introduction to Adobe Illustrator, learning basic tools and some advanced functions like 3D·
· Science integrity: correct scientific practices in image processing
· General design rules: how to use fonts, colour and spacing

Do It Yourself Exercises (Practical Part)

· Illustration workflow: Students rebuild graphical workflows step by step.

Preparing my Images for Print and Publication (Lecture & Discussion)

· Understanding the publication-dependent submission requirements for images: Different journals, different rules.

Final Discussion and Wrap-Up

Course Duration

1 day

Dr. Tina Koch
Science Communication