

SFB 958 Summer School 2021

Scaffolding of Membranes - Molecular Mechanisms and Cellular Functions

++Network Meeting & Graphic Design Training++

1) Kick-off Network Meeting with Guest & Games

Date: 09.11.2021

Place: online via Webex

Time: 5pm Berlin time

Content:

- Talk by Dr. Barth van Rossum, structural biologist and scientific illustrator
- games &
- “get-together”

2) Graphic Design Course

Date: 10. & 11.11.2021

Place: online via Webex

Time: 9am – 2.30pm

Trainer: Peter Kocmann, Trainer at the Center for Continuing Education (Weiterbildungszentrum) at the FU Berlin

Content:

Day 1: graphical processing of pictures for publication/ from raw graphic data to final images; input on image resolution and more

- Using Raw Controls: Exposure, Contrast, Clarity // Adjusting tones with Curves and Split Toning // Sharpening and noise reduction
- Using Selection Tools: Freehand-Selection, Rectangular Marquee, Adding/Subtracting Selections, Layer Mask
- Adjustments: Shadows and highlights, Black & White Adjustment

Software requirement: Affinity-Photo. Can be obtained for free from ZEDAT or for little money (reimbursement possible) from the manufacturer (e.g. for tablet users).

Day 2: focusing on diagrams/graphs/charts by using ggplot2 package from R

- Loading Datasets
- Working with axes, scales, legends, titles etc.
- Charts, histograms, box plots, scatterplots, multiple graphs, cluster charts etc.

Software requirements: R plus R-Studio in the current version. Ideally, you should have admin rights on the computer you are using (installing R packages).

