

Trainer



**Dr. András Aszódi**  
VBCF BioComp, Vienna

- He has extensive computational biology experience - both in academia and industry
- He is currently working at the Bioinformatics and Scientific Computing Core Facility at the Vienna Bio-center Campus
- His main tasks are the development of short courses on biostatistics and scientific programming

## Scientific Visualization with the ggplot Package in R

### Objective

The participants will be introduced to the general principles of scientific visualization, and learn visualization techniques using the ggplot package.

### Description

The online course consists of the following major modules:

- Principles of scientific visualization: data types, visuals, short introduction to human visual physiology and psychology.
- Introduction to ggplot: the “grammar of graphics” approach, data >> visual mappings.
- Scientific plots: scatterplots, bar charts, histograms, densities. Visualizing multivariate datasets with faceting.

### Methodology

Interactive lecture with numerous small hands-on exercises using the RStudio programming environment.

### Conditions

Basic familiarity with the R programming language is required.

### Organizational Information

Language / Format	English / Online
Target group	Doctoral Candidates at all stages and Postdocs from all faculties
Date	Thursday, 16 February 2023, 9:00 – 13:00
Registration	<a href="#">For registration click here</a>