

Trainer



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

- Holds a PhD in chemistry
- He has extensive computational biology experience, both in academia and industry
- He develops 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

Familiarity with the R programming language is required.

### Organizational Information

Language / Format	English / Online
Target group	Doctoral Candidates at all stages and Postdocs (R2/R3) from all faculties
Date	Tuesday, 25 June 2024, 9:00 – 13:00
Registration	<a href="#">For registration click here</a>