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 course consists of the following major modules:

1. *Principles of scientific visualization*: data types, visuals, short introduction to human visual physiology and psychology.
2. *Introduction to ggplot*: the „grammar of graphics“ approach, data -> visual mappings.

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

**Condition**
Basic familiarity with the R programming language is required.

**Organizational Information**

<table>
<thead>
<tr>
<th>Language</th>
<th>English</th>
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<tbody>
<tr>
<td><strong>Target group</strong></td>
<td>Doctoral Candidates at all stages and Postdocs from all faculties</td>
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<tr>
<td><strong>Date</strong></td>
<td>Tuesday, 23 June 2020, 8:30 – 12:30</td>
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<tr>
<td><strong>Registration</strong></td>
<td><a href="#">For registration click here</a></td>
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</tbody>
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**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 Biocenter Campus.  
- His main tasks are the development of short courses on biostatistics and scientific programming.