GraphPad Prism – Introduction

Objective
In this introductory workshop to the software GraphPad Prism participants will learn how to produce publication quality Graphs and how to perform a valid statistical analysis utilizing hypothesis testing and regression analysis with the software.

Description
The participants will learn to use the software and to apply different statistical methods.

Topics:
- Introduction to the software GraphPad Prism (table types, graphs, analysis)
  - Focus on visualization and workflow
- Statistical background (descriptive statistics, hypothesis testing)
- The use of statistical tests in the software
  - t-Test (and nonparametric alternatives)
  - ANOVA (one-way, two-way, repeated measures and nonparametric alternatives)
  - When to use which test?
- Regression analysis and curve fitting
  - Linear and nonlinear regression

Methodology
Interactive training with demonstrations and exercises in the software for every topic.

Conditions
- No experience with the software needed. Basic knowledge of descriptive statistics, hypothesis testing and regression analysis is beneficial but not required.
- GraphPad Prism (version 8 or newer) needs to be installed and accessible during the course. GraphPad offers a free 30 day trial (one time only):
  https://www.graphpad.com/demos/

Organizational Information

<table>
<thead>
<tr>
<th>Language / Format</th>
<th>English / Online</th>
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</thead>
<tbody>
<tr>
<td>Target group</td>
<td>Doctoral Candidates at all stages and Postdocs from Natural and Life Sciences</td>
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<tr>
<td>Date</td>
<td>Wednesday-Thursday, 15-16 November 2023, 9:00 – 16:30</td>
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<tr>
<td>Registration</td>
<td>For registration click here</td>
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</tbody>
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