



Training  
for  
scientists



PRESENTS

# BASICS OF BIOSTATISTICS

**Apply NOW!**

***Take the Best Advantage of Your Data and Research***

**Teacher: Hafid Laayouni - UPF**

**Duration: 10 sessions (total 20h; 14h theory + 6 h practicals)**

**Dates: 3, 10, 24, 30 April // 8, 15, 22, 29 May // 5, 12 June**

**Time: 10:00- 12:00h**

**Maximum n° students: 20**

**Registration deadline: 10th March 2025**

- T01. Introduction. Descriptive statistics. Probability and distributions. Sampling distribution. Confidence intervals
- T02. Hypothesis testing. The t-test
- P01. Exercises and hands on sessions T01-T02
- T03. Analysis of variance. One-way ANOVA
- T04. ANOVA. Multiple comparison procedures. Two way ANOVA
- P02. Exercises and hands on sessions T03-T04
- T05. Correlation and regression
- T06. Multiple regression analysis. Partial correlation
- P03. Hands on sessions T05-T06
- T07. Categorical data, effect size, and a summary of inference methods

**\* Participants need to have a basic R programming skills**

Contact [training@crg.eu](mailto:training@crg.eu)



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