



## Core Facility Computational Bioanalytics

### Advanced R for Life Sciences

R is a language and computational environment for statistics, advanced data analysis, machine learning and visualization; it is the most widely used programming language in bioinformatics.

Due to technological advances in molecular biology (genomics, large-scale systems biology) research in the life sciences is becoming increasingly data rich. The aim of this course is to provide students with a good understanding of how to use R for advanced data analyses. For this purpose participants will learn key concepts for writing advanced R code.

Upon successful completion of this course, participants will be able to more proficiently use R for data analysis in life science research by applying loops, functions, control structures and create profound plots.

**Teaching and learning method:** 20% lecture and 80% interactive

**Languages of instruction:** English or German

**Target audience:** PhD students, technicians and researchers

**Entrance qualifications:** A basic understanding of R as shown by successful completion of the course "Introduction into R for Life Science Researchers".

**Costs:** 150 Euro (University)/ 300 Euro (Company)

**Registration:** [zmf-sekretariat@medunigraz.at](mailto:zmf-sekretariat@medunigraz.at) (deadline: September, 28<sup>th</sup> 2018)

As the number of participants is limited (min. 3 and max. 8), please register early to confirm your seat!

DFP: 7-Points

October 05<sup>th</sup> 2018 (8 am - 3 pm)

**ZMF seminar room ground floor EG-086**

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