

Core Facility Computational Bioanalytics

Advanced R for Life Science research

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, medical doctors and researchers

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

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

DFP: 7 points

Registration: Website [Medical Research Academy | \(medunigraz.at\)](https://www.medunigraz.at)

Lecturer: Slave Trajanoski

As the number of participants is limited please register early to confirm your seat!

November 11th 2021 (09.00 to 16.00)

Location: SR 3.OG 03-012

Contact: zmf-sekretariat@medunigraz.at
Phone: +43 (0)316 385-73001
Center for Medical Research
Address: Stiftingtalstrasse 24 A-8010 Graz
<https://zmf.medunigraz.at>