

MGC course 'Scripting for Life Science Researchers'



<https://git.lumc.nl/courses/scriptingcourse>

Date: 29 and 30 June, 2020

Location: LUMC, building 1, room J1-82 and -84

Registration

This course is designed for researchers, including PhD students and Postdocs, who frequently handle large datasets or large numbers of files (images, sequence reads, mass spectra etc.) and who need a more efficient way of working with such data. The goal of the course is to empower students and researchers with backgrounds in biology or biomedicine to navigate, manage and perform operations on files and data and metadata in tabular text formats. The data may be microscopy images, FASTA sequences, gene ontology files, chromatograms, mass spectra or tables with data on genes or proteins. The course is not a general introduction to programming and will not deal with XML data, Web services or more advanced topics.

Knowledge of Linux is required to attend this course!

The course is free of charge for all personnel from MGC institutes. Participants from outside these institutes pay €200 including lunch. In case of no show participants from the MGC institutes will be charged 50 euro, other participants have to pay the full price. There is a maximum of 16 places. Deadline for registration 1 June.

Should the course be oversubscribed then places will be allocated based on a first-come first-serve basis.

Programme edition September 2019

Time	Location	Activity	Teacher	
11:00		Introduction	Mihai	Koffie/thee 10:30
11:30		Basic scripting	Mihai	
12:00		Practical 1		
13:00		Lunch		
14:00		Advanced scripting I	Jeroen	
14:30		Practical 2		
15:00		Pause		
15:15		Advanced scripting II	Jeroen	Koffie/thee 14:45
15:45		Practical 3		
16:15		Closing		

Time	Location	Activity	Teacher	
11:00		Jobs and processes	Jonathan	Koffie/thee 10:30
11:30		Practical 4		
11:45		Pause		
12:00		Patterns	Magnus	
12:30		Practical 5		
13:00		Lunch		
14:00		Patterns at work	Jonathan	
14:30		Practical 6		Koffie/thee 14:45
15:00		Pause		
15:15		AWK	Magnus	

Time	Location	Activity	Teacher
15:45		Practical 7	
16:15		Closing	

About this repository

The presentations are made in *LaTeX*, there are two submodules on which this repository depends.

- [presentation](#) template for presentations in LaTeX.
- [presentation-pics](#) repository containing pictures.

The **website** directory is for storing the compiled presentations, handouts and program. A *Trac wiki markup* file contains the website content. Uploading, updating and adding attachments can be done easily with the [tracwiki](#) program.