M.Sc. Biomedizin-Modul: Proteinbiochemie und Bioinformatik

7-17 March

http://cbdm.uni-mainz.de/mb22/

9:00 to 17:00:
13:00 to 14:00 break

Day 1 / 7 March
Fundamentals of programming in Molecular Biomedicine (Python)

Day 2 / 8 March
Sequence Homology
Multiple sequence alignment
Phylogeny

Day 3-4 / 9-10 March
Protein structure, domains
Homology modelling
Repeats, Disorder
Proteomics

Day 5 / 11 March
Protein interaction networks
Seminars Friday afternoon

Day 6 / 14 March
Biostatistics / Statistical genetics

Day 7 / 15 March
RNAseq
Seminars Wednesday afternoon

Days 8-9 / 16-17 March
Programming and data analysis with R

Evaluation:

(i) Take home exam **1 April Friday / 10am to 11am**
8 questions scoring 43 points.

(ii) Test Python programming (Today!)
7 points.

(iii) Seminar (10' present + 5' questions) adds (up to 5 extra) points.

25 points to pass.

Exam questions in German & English - answers can be written in English or in German (but not both!)

2nd exam +4 weeks later (after May 1st)
Time and date to be agreed

Organizational:

Please log in with your full name so we know who you are ☺

Please keep on mute and video off

Use the chat to communicate

Use the shared notes

If you have a question say so in the chat or change your status to "raise hand".
If the teacher does not notice then use your audio.

We should make short breaks every hour.

Be polite! :-)