

Grundlagen, Protein Struktur

- who am I ?
- die Sprache .. verhandelbar
- Zettel
 - `www.bioinformatics.uni-hamburg.de/research/BM/torda/lehre.html`
- + stine
- all handouts in web and Stine

Administration

People

- Andrew Torda 1. Stock / 105
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Vorlesungen	Mo	14:15 – 15:45
Übungen / tutorials / revision	Mo	16:15 – 17:45

Aims

This semester

- protein structure - how it is determined
- analysis

Next semester

- more on simulation
 - proteins
 - evolution (non-Darwinist)

Lectures

17.Okt	Intro to protein structure
24.Okt	Intro to protein structure
31.Okt	X-ray (Gast Vorleser)
7.Nov	X-ray (Gast Vorleser)
14.Nov	NMR
21.Nov	NMR
28.Nov	Analysis and comparison
5.Dez	Analysis and comparison
12.Dez	Analysis and comparison
19.Dez	Analysis and comparison
9.Jan	Modelling
16.Jan	Modelling
23.Jan	Stability
30.Feb	Motions

Course structure

Übungen

- mostly like a chemistry Übung - assignment, work in computer room, 2 Wochen / Übung
- some tutorials / revision
- start next week

Textbooks

- any biochemistry book (Stryer, Lehninger, Voet & Voet, ..Biochemistry)
 - expensive
- Folien should be sufficient

Exams

- schriftliche Klausur
 - 90 min auf Deutsch
- any facts that are mentioned in these lectures
- concepts from Übungen
- simple knowledge
 - what are the kinds of amino acids ?
 - how reliable are NMR structures ?
 - what are the kinds of disorder in an X-ray structure ?
 - ...

Summer semester

- more difficult
- more maths, stat mech,

Klausuren

Laut Stine

- 8. Feb 2016 9:00
- 20. März 2016 9:00
- 90 Minuten
- Änderungen mehr als möglich

Protein Structure

First two weeks

- always exam questions
- not for biochemists/chemists/MLS/...
 - one little part from slide 39 might be new

Protein structure and other topics

who knows

- chemistry ?
- programming ?
- stat mech ?