

Grundlagen, Protein Struktur

- who am I ?
- die Sprache .. verhandelbar
- Zettel
`www.zbh.uni-hamburg.de/forschung/bm/lehre.html`
- + stine
- all handouts in web and Stine

Administration

People

- Andrew Torda 1. Stock / 105
- sekr (Annette Schade) 42838 7330
schade@zbh.uni-hamburg.de

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

15. Okt	Intro to protein structure
22. Okt	Intro to protein structure
29. Okt	NMR
5. Nov	NMR
12. Nov	analysis
19. Nov	analysis
26. Nov	X-ray
3. Dez	X-ray
10. Dez	Analysis and comparison
17. Dez	Analysis and comparison
7. Jan	Modelling
14. Jan	Modelling
21. Jan	Stability
28. 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 (120 min Raumbuchung in Stine)
- 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

- 4. Feb 2019 9:00
- 25 März 2019 9:00
- 90 Minuten
- Änderungen mehr als möglich
- Kollisionen – prüfen Sie so früh wie 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 ?