

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
- sekr (Annette Schade) 42838 7330
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- Björn Hansen

Vorlesungen	Mo	14:15 – 15:45
Übungen / tutorials / revision	Mo	16:15 – 17:45

Aims

This semester

- protein structure - how it is determined
- analysis
- some nucleotides

Next semester

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

Lectures

1	12. Okt.	Intro to protein structure
2	19. Okt.	Intro to protein structure
3	26. Okt.	NMR, distance geometry
4	2. Nov.	NMR, distance geometry
5	9. Nov.	X-ray (Gast Vorleser)
6	16. Nov.	X-ray (Gast Vorleser)
7	23. Nov.	Analysis and comparison
8	30. Nov.	Analysis and comparison
9	7. Dez.	Analysis and comparison
10	14. Dez.	Analysis and comparison
11	4. Jan.	Modelling
12	11. Jan.	Modelling
13	18. Jan.	Stability
14	25. Jan.	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
- 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

- 2. Feb 2016 9:00
- 21. 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 ?