

Schedule Structural Biochemistry -19			
Morning 09.00-12.00			Afternoon 13.00 - = 17.00
Mo	2-Sep	10.00 Course introduction (MH)	13.00 information for masters students (C458); 14.00 PyMol + study amino acids (DR/JJ/SK/KG)
Tues	3-Sep	Functional structures of the cell (JWdG)	Structure-Function 1 (DR/JJ/SK/KG)
Wed	4-Sep	Protein purification (DDa)	Write Lab Reports
Thurs	5-Sep	Macromolecular structure 1, Building blocks and rules (HL)	Structure-Function 2 + TEST (amino acids) (DR/JJ/SK/KG)
Fri	6-Sep	Macromolecular structure 2, Structure-function examples (HL)	Structure-Function 3 (DR/JJ/SK/KG)
	7-Sep		
	8-Sep		
Mo	9-Sep	Macromolecular structure 3, Membrane protein structure/lipids (DDr)	Write Lab Reports / Study
Tues	10-Sep	Write Lab Reports	Write/Submit Str-Fu 1-3 reports for peer review (deadline 18.00)
Wed	11-Sep	Crystallization (PS)	Crystallization Practical Group 1 (DR/JJ/SK/KG)
Thurs	12-Sep	Write Lab Reports / Study	Crystallization Practical Group 2 (DR/JJ/SK/KG)
Fri	13-Sep	X-ray Crystallography 1 (MH), X-ray Sources (MB)	Crystallization Practical Group 3 (DR/JJ/SK/KG)
	14-Sep		
	15-Sep		
Mo	16-Sep	X-ray Crystallography 2 (MH)	Structure-Function 4 (DR/JJ/SK/KG)
Tues	17-Sep	Write Lab Reports / Study	Structure-Function 5 (DR/JJ/SK/KG)
Wed	18-Sep	X-ray Crystallography 3 (MH)	Write/Submit Str-Fu 4-5 reports for peer review (deadline 18.00)
Thurs	19-Sep	X-ray data processing / molrep demo lecture (MH)	Write Lab Reports / Study
Fri	20-Sep	Write Lab Reports / Study	Write Lab Reports / Study
	21-Sep		
	22-Sep		
Mo	23-Sep	Look at crystals, take pictures, discuss results (in groups) (DR/JJ/SK/KG)	Write Lab Reports / Study
Tues	24-Sep	Crystal mounting and Data collection, Group 1+2+3 - Full Day Practical	Computer room, work on reports, assistants available (DR/JJ/SK/KG)
Wed	25-Sep	Data processing and molecular replacement - Full day practical (no report)	Data processing recap (DR/JJ/SK/KG)
Thurs	26-Sep	Electron density (DR/JJ/SK/KG)	Write Lab Reports / Study
Fri	27-Sep	Structure Tools (DR/JJ/SK/KG)	Write Lab Reports / Study
	28-Sep		
	29-Sep		
Mo	30-Sep	Write Lab Reports / Study	Write Lab Reports / Study
Tues	1-Oct	Write Lab Reports / Study	Write Lab Reports / Study
Wed	2-Oct	Write Lab Reports / Study	Deadline all reports SF 1-3 + SF 4-5 + crystallization + crystal mount/data collection + Electron density + Structure tools
Thurs	3-Oct	NMR 1 (LM)	NMR practical 1 (TG/JP) Group 1/ Write Lab reports
Fri	4-Oct	NMR 2 (LM)	NMR practical 1 (TG/JP) Group 2/ Write Lab reports
	5-Oct		
	6-Oct		
Mo	7-Oct	NMR 3 (LM)	NMR practical 2 (TG/JP) Group 1 / Write Lab reports
Tues	8-Oct	NMR 4; Protein dynamics (LM)	NMR practical 2 (TG/JP) Group 2 / Write Lab reports
Wed	9-Oct	Write Lab Reports / Study	NMR practical 3 (TG/JP) Group 1 / Write Lab reports
Thurs	10-Oct	Write Lab Reports / Study	NMR practical 3 (TG/JP) Group 2/ Write Lab reports
Fri	11-Oct	Write Lab Reports / Study	Write Lab Reports / Study
	12-Oct		
	13-Oct		
Mo	14-Oct	Computational biochemistry 1 (VK)	Write Lab Reports / Study
Tues	15-Oct	Computational biochemistry 2 (VK)	Computational biochemistry practical (AG)
Wed	16-Oct	Write Lab Reports / Study	Write Lab Reports / Study
Thurs	17-Oct	QnA about practicals with assistants (all)	Deadline all reports except Cryo-EM
Fri	18-Oct	Study time	Study time
	19-Oct		
	20-Oct		
Mo	21-Oct	Study time and prepare questions for recap sessions,	
Tues	22-Oct	Recap, sessions (JWdG) 9-10; X-ray (MH) 10-12	Study time
Wed	23-Oct	NMR recap session (LM)	Study time
Thurs	24-Oct	Cryo-EM (AA)	Cryo-EM practical (JB/VT/VS)
Fri	25-Oct	Cryo-EM (AA)	Cryo-EM practical (JB/VT/VS)
	26-Oct		
	27-Oct		
Mo	28-Oct	Cryo-EM (AA)	Cryo-EM practical (JB/VT/VS)
Tues	29-Oct	Cryo-EM (AA)	Cryo-EM practical (JB/VT/VS)
Wed	30-Oct	Cryo-EM discussion: recap, questions (AA)	Study time
Thurs	31-Oct	Study time	Study time
Fri	1-Nov	Exam	

Lecture
Supervised computer practical
Supervised wet-lab practical
Deadline/Exam
Unsupervised work

Teachers

MH	Martin Högborn
HL	Hugo Lebrette
Dda	Dan Daley
PS	Pål Stenmark
VK	Ville Kaia
DDr	David Drew
JWdG	Jan-Willem de Gier
MB	Matthew Bennett
LM	Lena Mäler
AA	Alexey Amunts

Assistants for practicals

TG	Therese Grönlund
JP	Joan Patrick
DR	Daniel Rehling
JJ	Juliane John
SK	Sara Kosenina
KG	Kristine Grave
JB	Jens Berndtsson
VT	Victor Tobiasson
VS	Vivek Singh
AG	Ana Gamiz