

Schedule Structural Biochemistry -16

		Morning 09.00-12.00	Afternoon 13.00 - ≈ 17.00
Mo	3-sep	9.00 Course introduction (MH)	PyMol + study amino acids
Tues	4-sep	Functional structures of the cell (JwD)	Structure-Function 1
Wed	5-sep	Protein purification (DDa)	Write Lab Reports
Thurs	6-sep	General Macromolecular Structure 1 (JG)	Structure-Function 2 + DUGGA (amino acids)
Fri	7-sep	General Macromolecular Structure 2 (JG)	Write/Submit Str-Fu 1-3 reports for peer review (deadline 18.00)
	8-sep		
	9-sep		
Mo	10-sep	Structure-Function 3	Peer review of Str-Fu 1-3 reports (Constructively criticize partners report, deadline 18.00)
Tues	11-sep	Membrane protein structure / lipids (DDr)	Write Lab Reports / Study
Wed	12-sep		Crystallization Practical Group 1
Thurs	13-sep	X-ray Crystallography 1 (MH), X-ray Sources (MB)	Crystallization Practical Group 2
Fri	14-sep	Crystallization (PS)	Crystallization Practical Group 3
	15-sep		
	16-sep		
Mo	17-sep	X-ray Crystallography 2 (MH)	Structure-Function 4
Tues	18-sep	Write Lab Reports / Study	Structure-Function 5
Wed	19-sep	SAXS (ML)	Write/Submit Str-Fu 4-5 reports for peer review (deadline 18.00)
Thurs	20-sep	Write Lab Reports / Study	X-ray Crystallography 3 (MH)
Fri	21-sep	Write Lab Reports / Study	X-ray data processing / molrep demo lecture (MH)
	22-sep		
	23-sep		
Mo	24-sep	Write Lab Reports / Study	Write Lab Reports / Study
Tues	25-sep	Write Lab Reports / Study	Computer room + Assistents available for correction of returned reports of StrucFunc 1-3
Wed	26-sep	Write Lab Reports / Study	Write Lab Reports / Study
Thurs	27-sep	Write Lab Reports / Study	Write Lab Reports / Study
Fri	28-sep	Deadline	Deadline
	29-sep		
	30-sep		
Mo	1-okt	Crystal mounting and Data collection, Group 1+2+3 - Full Day Practical	Data processing recap
Tues	2-okt	Data processing and molecular replacement - Full day practical (no report)	Write Lab Reports / Study
Wed	3-okt	Electron density	Write Lab Reports / Study
Thurs	4-okt	Structure Tools	Write Lab Reports / Study
Fri	5-okt	NMR 1 (LM)	Deadline all reports Struc/Func + Electron dens + Tools + Xtal + Molecular rep.
	6-okt		
	7-okt		
Mo	8-okt	NMR 2 (LM)	NMR practical 1 Group A / Write Lab reports
Tues	9-okt	NMR 3 (LM)	NMR practical 2 Group A / Write Lab reports
Wed	10-okt	Write Lab Reports / Study	NMR practical 1 Group B / Write Lab reports
Thurs	11-okt	NMR practical 2 Group B / Write Lab reports	NMR practical 1 Group C / Write Lab reports
Fri	12-okt	Protein dynamics (LM)	NMR practical 2 Group C / Write Lab reports
	13-okt		
	14-okt		
Mo	15-okt	cryo EM 1	EM practical
Tues	16-okt	cryo EM 2	EM practical
Wed	17-okt	cryo EM 3	EM practical
Thurs	18-okt	cryo EM 4	EM practical
Fri	19-okt	cryo EM 5	EM practical
	20-okt		
	21-okt		
Mo	22-okt	NMR Discussion: recap, questions (LM)	Write Lab Reports / Study
Tues	23-okt	Study time and write questions for X-ray, NMR and cryo-EM discussion sessions, deadline 18.00	
Wed	24-okt	Write Lab Reports / Study	Write Lab Reports / Study
Thurs	25-okt	X-ray discussion: recap, questions (MH)	Write Lab Reports / Study
Fri	26-okt	cryo-EM discussion: recap, questions	Deadline NMR lab report
	27-okt		
	28-okt		
Mo	29-okt	QnA about practicals with assistants	Study time
Tues	30-okt	Study time	Deadline all reports
Wed	31-okt	Study time	Study time
Thurs	1-nov	Study time	Study time
Fri	2-nov	Exam	

Lecture
Supervised practical
Deadline/Exam
Unsupervised work

Teachers

MH	Martin Högbom
RD	Robert Daniels
Dda	Dan Daley
PS	Pål Stenmark
JG	Julia Griese
DDr	David Drew
MB	Matthew Bennett
LM	Lena Mäler

Assistants for practicals

MM	Markel Martinez
RG	Robert Gustafsson
KG	Kristine Grave
VS	Vivek Srinivas
JL	Jobst Libau
PP	Pontus Pettersson
APB	Annemarie Perez Boerema
SR	Sorbhi Rathore