

Schedule for KEMM23, spring semester 2021

W	Date	Location	Activity
12	2021-03-24		09.15-10.00 Roll-call 10.15-12.00 Introduction to KEMM23, UJ
	2021-03-25		10.15-12.00 Lecture: Transporters 1, UJ 13.15-15.00 Lecture: Transporters 2, UJ 16.00-17.00 Question session, UJ
	2021-03-26		10.15-12.00 Lecture: Receptors and signal transduction 1, UJ 13.15-15.00 Lecture: Receptors and signal transduction 2, UJ 16.00-17.00 Question session, UJ
13	Easter		
14	2021-04-06		8.00 Hand in problem 1 10.15-12.00 Problem 1 discussion, UJ 13.15-14.30 Introduction to LAB 2, UJ
	2021-04-07		10.15-12.00 Lecture: Introduction to molecular biology techniques, UJ 13.15-15.00 Lecture: PCR, primer design and cloning strategies, UJ 16.00-17.00 Question session, UJ
	2021-04-08		10.15-12.00 Lecture: Membrane protein topology prediction and simple model building (LAB 1 theory), UJ 13.15-14.00 Lecture: Modeling membrane proteins, IA 15.15-17.00 Lecture: Fusion protein techniques (LAB 1 theory), UJ
	2021-04-09		10.15-11.00 Question session, UJ Watch Introduction to lab hall and safety rules - do quiz, HH/CJH/CG Planning of LAB1, Hand in topology prediction
	Weekend		
15	2021-04-12	Biolab 2+3	LAB 1 + planning of LAB2 HH/CJH/CG
	2021-04-13	Biolab 2+3	LAB 1 + planning of LAB2
	2021-04-14	Biolab 2+3	LAB 1 + planning of LAB2
	2021-04-15	Biolab 2+3	LAB 1 + planning of LAB2
	2021-04-16	Biolab 2+3	LAB 1 + planning of LAB2
	Weekend		
16	2021-04-19		10.15-12.00 Lecture: Basic bioenergetics, SH 15.15-17.30 Presentation of LAB 2 project plans vers. 1, SH/HH/CJH/CG
	2021-04-20		10.15-12.00 Lecture: Proton gradients, SH 15.00-16.00 Question session, SH Planning of LAB2
	2021-04-21		10.15-12.00 Lecture: Respiratory chains, SH Planning of LAB2
	2021-04-22		10.15-12.00 Lecture: ATP synthase, SH 15.00-16.00 Question session, SH Planning of LAB2
	2021-04-23		10.15-12.00 Lecture: Expression, solubilization and purification of membrane proteins, SH Planning of LAB2
	Weekend		
17	2021-04-26		Planning of LAB2
	2021-04-27		10.15-12.00 Presentation of LAB 2 project plans vers. 2, UJ/SH/HH/CJH 14.15-16.00 Primer design, HH/CJH/CG
	2021-04-28		Planning of LAB2 and primer design, (Hand in primers 15.00)
	2021-04-29		9.15-12.00 Reviewing and ordering primers for LAB 2, CJH/CG
	2021-04-30		Last of April
	Weekend		
18	2021-05-03		13.15-16.00 Protein purification <i>in silico</i>, HH/CJH/CG
	2021-05-04		17.00 Hand in LAB 1 report 17.00 Hand in problem 2
	2021-05-05		10.15-12.00 Problem 2 discussion, SH
	2021-05-06		10.15-12.00 Lecture: Crystallization of membrane proteins, SH 17.00 Hand in problem 3
	2021-05-07		10.15-12.00 Problem 3 discussion, SH
	Weekend		
19	2021-05-10	Biolab 1	LAB 2, HH/CJH/CG
	2021-05-11	Biolab 1	LAB 2
	2021-05-12	Biolab 1	LAB 2

	2021-05-13		Kristihimmelsfärdsdag (Ascension)
	2021-05-14		Klämdag
	Weekend		
20	2021-05-17	Biolab 1+2	LAB 2
	2021-05-18	Biolab 1+2	LAB 2
	2021-05-19	Biolab 1+2	LAB 2
	2021-05-20	Biolab 1+2	LAB 2
	2021-05-21	Biolab 1+2	LAB 2
	Weekend		
21	2021-05-24	Biolab 1+2	LAB 2
	2021-05-25	Biolab 1+2	LAB 2 (Half day 9.00-12.00) 13.15-14.00 Lecture: Bacterial conversion of dietary fiber, HS
	2021-05-26	Biolab 1+2	LAB 2 (Half day 14.15-18.00)
	2021-05-27	Biolab 1+2	LAB 2
	2021-05-28	Outdoor presentation	13.00-15.30 LAB 2 poster presentation
	Weekend		
22	2021-05-31		Study period
	2021-06-01		Study period
	2021-06-02		10.15-11.00 Questions, SH 11.15-12.00 Questions, UJ
	2021-06-03		Study period
	2021-06-04		8.00-14.00 Exam
25	2021-06-18		8.00-14.00 Retake exam

To attend lectures and question sessions is optional, **whereas the three problem solving exercises, all the lab work and related exercises are mandatory (marked in bold)**. If you for any reason need to be absent during lab work, discuss with your lab assistants how to **make up for the lost time**. LAB 1 should be documented and handed in as a written lab report, whereas the LAB 2 work is reported on a poster.

The lab is normally open 9.00 – 18.00. Depending on the experiments, some days less time is spent in the laboratory.

Lab assistants:

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Lecturers:

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