

Schema BI1294 2023

Week 35	Time	Introduction/how do we study plants-transcription	Locale
Monday 28/8	~09.00-12.00	Campus specific introductions and course registration	
Tuesday 29/8	13.00-15.00	Welcome Course introduction	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Wednesday 30/8	13.00-15.00	Plant cell architecture*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Thursday 31/9	13.00-15.00	Plant anatomy	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Friday 1/9	10.00-12.00	DNA-RNA-protein Regulation of the Central dogma	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
	13.00-15.00	How to write about Biology/Writing exercise A.	Ultuna: Sal H, Alnarp: Plantan,
Week 36		How do we study plants-proteins and models	
Monday 4/9	13.00-15.00	Transcriptional regulation	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
	15.00-17.00	How do we study RNA levels/ Exchange of texts, Student Self correction	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Tuesday 5/9	13.00-15.00	Protein synthesis and regulation*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
	15.00-17.00	How do we study protein levels*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Thursday 7/9	13.00-15.00	Mutants transgenes Crispr*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Friday 8/9	13.00-15.00	Model systems*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
	15.00-17.00	UN sustainable development goals	Ultuna: Sal H, Alnarp: Plantan
Week 37		Hormones and signalling	
Monday 11/9	13.00-15.00	Protein modification and degradation*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Tuesday 12/9	10.00-12.00	Introduction to signalling*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
	13.00-15.00	Introduction to lab practical	Ultuna: Sal H, Alnarp: Plantan
Wednesday 13/9	10.00-12.00	Is it possible to move Model Systems here?	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne
Thursday 14/9	13.00-15.00	Hormones 1.*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönne

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Friday 15/9	10.00-12.00	Hormones 2.*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen
	13.00-15.00	Journal Club1, Student Self correction of writing exercise B	Ultuna: E202, E203, Sal C212
Week 38		Written assignment & lab manual	
Monday 18/9	09.00-10.00	Introduction to JC: Zoom	Ultuna: Sal H, Alnarp: Plantan
Tuesday 19/9	13.00-15.00	Scientific communication	Ultuna: Sal H, Alnarp: Plantan
Wednesday 20/9	10.00-12.00	Plant Genetic Resources and the Nagoya protocol	Ultuna: Sal H, Alnarp: Plantan
Thursday 21/9	13.00-15.00	Plant nutrition	Ultuna: Sal H, Alnarp: Plantan
Friday 22/9	10.00-12.00	Genomes and signalling*	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen
	13.00-15.00	Journal Club 2	Ultuna: E202, E203, Sal C212
Week 39		LAB Week	Alnarp: ???
Monday 25/9	am	LAB: Nutrient media application Day1	BÖL1
	13.00-15.00	Cloning intro to digital lab.	Ultuna: Sal H, Alnarp: Plantan
Tuesday 26/9	am	LAB: Nutrient media application Day2	BÖL1
	pm	LAB	BÖL1
Wednesday 27/9	am	LAB: Nitrate reduction measurements	BÖL1
	pm	LAB	BÖL1
Thursday 28/9	am	LAB: RNA prep and cDNA synth.	BÖL1
	pm	LAB	BÖL1
Friday 29/9	am	LAB: PCR and writing of lab report	BÖL1
	pm	LAB	BÖL1
Week 40		Digital lab practical	
Monday 2/10	13.00-15.00	Extra time	Ultuna: Sal H, Alnarp: Plantan
Tuesday 3/10	10.00-13.00	Lab seminar, hand in of lab report	Plantan Sal C212, Biocentrum
Wednesday 4/10	08.00 – 16.00	Digital lab practical, Day1 (whole day)	Zoom
Thursday 5/10	09.00 – 16.00	Digital lab practical, Day2 (whole day)	Zoom
Friday 6/10	08.00 – 16.00	Digital lab practical, Day3 (Whole day)	Zoom
Week 41		Omics.	
Tuesday 10/10	13.00-15.00	Introduction Next Generation Sequencing	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen
	15.00-17.00	RNAseq	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen
Wednesday 11/10	13.00-15.00	Metabolomics	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen

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Thursday 12/10	15.00-17.00	Introduction to Plant Proteomics	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen
Friday 13/10	10.00-12.00	Introduction to exam/oral presentation.	Ultuna: Sal H, Alnarp: Plantan, Umeå: Rönnen
Week 42		Ethics	
Monday 16/10		Self Studies	
Tuesday 17/10		Self Studies	
Wednesday 18/10	08.00-13.00	Written exam	Ultuna, Tentamenssal 2 Alnarp: ???
Thursday 19/10	13.00 – 15.00	Ethics	Ultuna: Sal H, Alnarp: Plantan
Friday 20/10	10.00-12.00	Ethics	Ultuna: Sal H, Alnarp: Plantan
Week 42		Presentations & Exam	
Monday 23/10	08.00-16.00	Self Studies	
Tuesday 24/10	08.00-16.00	Self Studies	
Wednesday 25/10	08.00-16.00	Presentation of written assignment D	Alnarp: ???Ultuna: SalA132
Thursday 26/10	08.00-16.00	Presentation of written assignment D	Alnarp: ???Ultuna: SalA133
Friday 27/10			