

**Avancerad Neurokemi med Molekylär Neurobiologi
(Advanced Neurochemistry with Molecular Neurobiology)**

26/3-9/6 2019

KN8001

Lärare (teachers):

A-LS Anna-Lena Ström
HN Henrietta Nielsen
AF Anna Forsby
EHA Einar Hallberg

Assistenter (Assistants):

AE Anna Edlund
CB Cissi Bergqvist

Lokaler (Place):

C458: Heilbronnsalen

M405a: Cell culture course lab

M340: Kurslab, KÖL. (Course lab, KÖL)

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Dag	Datum	Tid	Aktivitet	Lärare	Plats
Mon	25/3				
Tis	26/3	9.30-10.00	Roll call (upprop) and introduction of the course, participants and MONDO	A-LS	C458
		10.00-12.30	Brief refreshment of KN7001, required for course entrance	A-LS	C458
Ons	27/3	9.30-12.00	Lecture 1: Development of the nervous system I	A-LS	C458
		13.00-15.30	Lecture 2: Development of the nervous system II	A-LS	C458
Tor	28/3	9.30-12.00	Lecture 3: Glia cells I	HN	C458
Fre	29/3	9.30-12.00	Lecture 4: Glia cells II	A-LS	C458
Mån	1/4	9.30-12.00	Lecture 5: Neuronal degeneration after trauma	A-LS	C458
		13.00-15.00	LAB: Lab introduction; sterile technique all groups (obligatory)	CB/AE	C458
Tis	2/4	9.30-12.00	Lecture 6: The blood-brain barrier	HN	C458
		13.00-15.00	DUGGA sterile technique all groups (obligatory)	CB/AE	C458
Ons	3/4	9.00-12.00	LAB1: Groups 1A, 1B and 1C	CB/AE	M405a
		13.00-16.00	LAB1: Groups 2A, 2B and 2C		
Tor	4/4	9.30-12.00	Lecture 7: Cytokines	A-LS	C458
		13.00-14.30	LAB1: groups 2A, 2B and 2C	CB/AE	M405a
		14.30-16.00	LAB1: groups 1A, 1B and 1C		
Fre	5/4	9.30-12.00	Lecture 8: Neurotrophic factors	A-LS	C458
		13.00-14.30	LAB1: groups 2A, 2B and 2C	CB/AE	M405a

		14.30-16.00	LAB1: groups 1A, 1B and 1C		
Mån	8/4	9.30-12.00	Lecture 9: Apoptosis	A-LS	C458
		13.00-14.30	LAB1: groups 1A, 1B and 1C	CB/AE	M405a
		14.30-16.00	LAB1: groups 2A, 2B and 2C		
Tis	9/4	9.30-12.00	Lecture 10: Gene regulation I	A-LS	C458
Ons	10/4	9.30-12.00	Lecture 11: Gene regulation II	A-LS	C458
		13.00-17.00	LAB1: all groups	CB/AE	M405a
Tor	11/4	9.30-12.00	Lecture 12: Depression	A-LS	C458
		13-16.00	LAB: all groups	CB/AE	M405a
Fre	12/4	9.30-12.00	Lecture 13: Schizophrenia	A-LS	C458
		13.00-17.00	LAB1: all groups	CB/AE	M405a
Mån	15/4	9.30-12.00	Project: Introduction to project work (obligatory)	A-LS	C458
		13.00-17.00	Project work: Change media on cells and Part I: establishing a protocol (obligatory)	A-LS	C458
Tis	16/4	9.30-12.00	Lecture 14: Using animal models to study the nervous system	HN	C458
		17.00	Project work: Part I: establishing a protocol (obligatory)	A-LS	
Ons	17/4	9.30-12.00	Project work: Split cells and Part I: establishing a protocol	A-LS	
Tor	18/4		Easter		
Fre	19/4		Easter		
Mån	22/4		Easter		
Tis	23/4	9.30-17.00	Project work: Part I: establishing a protocol	A-LS	C458
Ons	24/4	9.30-12.00	Lecture 15: Imaging the nervous	EHA	C458

		13.00-17.00	system Project work: Part I: establishing a protocol (obligatory)	A-LS	C458
Tor	25/4	9.30-12.00	Lecture 16: Alternative methods	AF	C458
		13.00-17.00	Project work: Change media on cells and Part I: establishing a protocol (obligatory)	A-LS	M405a
Fre	26/4	9.30-12.00	Lecture 17: Neurodegenerative diseases –AD	HN	C458
		13-17.00	Project: Hand-in project lab protocol for part I latest 17.00 (obligatory)		
Mån	29/4	9.30.12.00	Lecture 18: Synucleopathies	SM	C458
		13-17.00	Project: Part II safety evaluation (obligatory), all groups Project Work: split cells	A-LS	C458 M405a
Tis	30/4	9.30.12.00	Lecture 19: PolyQ diseases	AL-S	C458
Ons	1/5		Labour Day		
Tor	2/5	9.30-12.00	Lecture 20: Neuroimmunology	A-LS	C458
		13.00-17.00	Project: Part II safety evaluation Change media on cells	A-LS	C and M405a
Fre	3/5	9.30-17.00	Project: Part II safety evaluation	A-LS	C
		17.00	Deadline to hand-in safety evaluation 17.00	A-LS	
Mån	6/5	9.30-17.00	Project: Part III experiments: groups 1A, 1B and 1C (obligatory)	ALS/ CB/AE	M405a /M340
		13.00-16.00	Project: split cells groups 2A, 2B and 2C (obligatory)		
Tis	7/5	9.30-17.00	Project: Part III experiments: groups 1A, 1B and 1C (obligatory)	A-LS/CB/AE	M405a /M340
Ons	8/5	9.00-17.00	Project: Part III experiments: groups 1A, 1B and 1C (obligatory)	A-LS/CB/AE	M405a /M340

Tor	9/5	9.00-17.00 13.00-16.00	Project: Part III experiments: groups 1A, 1B and 1C (obligatory) Project: change media on cells, groups 2A, 2B and 2C (obligatory)	A-LS/CB/AE	M405a /M340
Fre	10/5	9.00-17.00	Project: Part III experiments: groups 1A, 1B and 1C (obligatory)	A-LS/CB/AE	M405a /M340
Mån	13/5	9.00-17.00	Project: Part III experiments: groups 2A, 2B and 2C (obligatory)	A-LS/CB/AE	M405a /M340
Tis	14/5	9.00-17.00	Project: Part III experiments: groups 2A, 2B and 2C (obligatory)	A-LS/CB/AE	M405a /M340
Ons	15/5	9.00-17.00	Project: Part III experiments: groups 2A, 2B and 2C (obligatory)	A-LS/CB/AE	M405a /M340
Tor	16/5	9.00-17.00	Project: Part III experiments: groups 2A, 2B and 2C (obligatory)	A-LS/CB/AE	M405a /M340
Fre	17/5	10.00-17.00	Project: Part III experiments: groups 2A, 2B and 2C (obligatory)	A-LS/CB/AE	M405a /M340
Mån	20/5	9.30-17.00	Project: Part IV: Introduction to writing project report, share data and write project report (obligatory)	A-LS	C458
Tis	21/5	9.30-17.00	Project: Part IV: write written report all groups		
Ons	22/5	9.30-17.00	Project: Part IV: write written report, all groups		
Tor	23/5	9.30-17.00	Project: Part IV: write written report, all groups		
Fre	24/5	9.30-17.00	Project: Part IV: write written report, all groups		
Mån	27/5	9.30-17.00	Project: Part IV: write written report, all groups		

			Deadline to hand in individual written project report 17.00		
Tis	28/5	9.30-12.00	Lecture 21: Summary lecture	A-LS	C458
		13.00-17.00	Study for exam		
Ons	29/5		Study for exam		
Tor	30/5		Ascension Day		
Fre	31/5		Study for exam		
Mån	3/6	10.00-11.00	Question time	A-LS	C458
		12.00-17.00	Study for exam		
Tis	4/6		Study for exam		
Ons	5/6	9.30-14.30	Written exam (Tenta)		C458
Tor	6/6		Swedish National Day		
Fre	7/6				