

Schedule VMFN27 spring 2017

Room: BMC house I, room 1254 (BMCI1254)

Monday 16/1

Introduction

9:00-10:00	Roll call. Introduction to course.	Maria Swanberg
10:00-10:30	Coffee	
10:30-12:00	Macro brain structure	Tomas Deierborg
13:00-13:30	Project Presentation	Tomas Deierborg
13:30-14:00	Project Presentation	Merab Kokaia

Tuesday 17/1

AD/LBD

09:00-11:15	Introduction to Alzheimer's disease	Niklas Mattsson
11:15-12:00	Dementia with Lewy bodies	Elisabeth Londos
13:00-13:30	Research presentation: APP/synapses	Isak Martinsson
13:30-14:00	Research presentation: synchrotronbased methods, Abeta/tau	Oxana Klementieva
14:00-14:30	Summary, discussion, questions	Niklas Mattsson
15:00-15:15	Research presentation	Gunnar Gouras
15:15-15:45	Project presentation	Jia-Yi Li

Wednesday 18/1

PD/HD

9:00-9:50	Basal ganglia circuits	Ludivine Breger
10:00-10:40	Parkinson's disease	Ludivine Breger
10:50-11:40	Huntington's disease	Ludivine Breger
11:45-12:00	Group activity	Ludivine Breger
13:00-13:40	Basic research in PD	Christian Hansen
13:40-14:20	Basic research in HD + Project presentation	Barbara Baldo
14:20-15:00	Testing new therapies	Janelle Drouin-Ouellet

Thursday 19/1

Animal models

9:00-10:00	Introduction	Andreas Heuer
10:00-11:00	Animal models in neuroscience	Andreas Heuer
11:00-12:00	Behavioural tests	Andreas Heuer
13:00-15:00	Visit to animal facilities	Andreas Heuer

Friday 20/1

Clinical neuroscience

9:00-10:00	Introduction to clinical neuroscience	Ruben Smith
10:00-10:45	Clinical Parkinsonology	Håkan Widner
11:00-12:00	Clinical study design and GCP	Håkan Widner
13:00-14:00	Biomarkers in neurological diseases	Oskar Hansson
14:00-14:30	Project Presentation	Marco Ledri
14:30-15:00	Project Presentation	Tomas Björklund

Monday 23/1

Stroke

9:00-12:00	Introduction	Karsten Ruscher
	Pathophysiology of stroke	
	Stroke and the body	
13:00-14:00	Aspects of stroke research	Karsten Ruscher
14:00-14:30	Project Presentation	Karsten Ruscher

Tuesday 24/1

Research methods

9:00-10:00	Principles in neuroscience	Pär Halje
10:00-11:00	Electrophysiology	Per Petersson & Tim Fieblinger
11:00-12:00	Chemical biology	TBA
13:00-14:00	Journal club: http://www.nature.com/nature/journal/v540/n7632/abs/nature20587.html	
14:00-14:30	Project Presentation	Per Petersson

Wednesday 25/1

Stem cells

9:00-9:45	Introduction to stem cell biology.	Yuriy Pomeschchik
10:00-10:45	Neural stem cells. Adult neurogenesis (YP)	Yuriy Pomeschchik
11:00-11:45	ESCs, iPSCs and iNs.	Laurent Roybon
13:00-13:45	iPSCs for disease modelling and treatment (LR)	Laurent Roybon
14:00-14:30	Stem cell research presentations	Yuriy Pomeschchik and more

Thursday 26/1

Gene therapy

9:00-9:40	Intro and State of the Art in Vectorology -Lentivirus	Luis Quintino
9:45- 10:25	State of the Art in Vectorology- AAV	Marcus Davidsson
10:40-11:10	Using Viral Vectors to Build Disease Models	Rana Soylu-Kurchaz
11:15-11:45	Using Viral Vectors for in vivo molecular tools	Patrick Aldrin-Kirk
13:00-14:00	Active Learning Activity	Luis Quintino
14:00-14:30	Project Presentation	Saema Ansar
14:30-15:00	Project Presentation	Angela Cenci Nilsson

Friday 27/1

Epilepsy

9:00-10:00	Introduction. Basic mechanisms of epilepsy.	Christine Ekdahl Clementson
10:00-10:45	Patient perspective and seizure semiology	Maria Strandberg
11:00-11:30	Neuropsychology	Hanna Ljung
11:30-12:00	Radiological evaluations	Christine Ekdahl Clementson
13:00-13:20	EEG /SPECT	Christine Ekdahl Clementson
13:20-13:40	Current medical treatment of epilepsy	Maria Strandberg
		Maria Strandberg/Christine Ekdahl Clementson
13:40-14:00	Epilepsy surgery	
14:10-14:25	Neuropathology	Christine Ekdahl Clementson
14:25-14:45	Epilepsy research + 2 project presentations	Christine Ekdahl Clementson
14:45-15:00	WBT feedback	Christine Ekdahl Clementson

Monday 30/1

Examination

13:00-15:00	Written examination	Maria Swanberg
15:00-15:20	Information on seminars and journal club	Chris Dunning, Christian Hansen
15:20-16:00	Discussion	Maria Swanberg

Tuesday 31/1

Instructions onpreparing and writing project plans

13:00-14:30	Project design	Tomas Björklund
14:30-15:00	Instructions on project plan and peer review.	Maria Swanberg

Wednesday 1/2

Writing project plans

Thursday 2/2

Peer-review of project plans

Friday 3/2

Submission of project plan to maria.swanberg@med.lu.se