



Date	Lectures	Topic
27.01.2020		Population neuroscience across the lifespan
		Coffee
	09:00 - 09:15	Welcome and introduction to the course
		William Baaré
	09:15 - 10:05	Epidemiology, general introduction
		Anne-Marie Nybo Andersen
	10:05 - 10:25	Coffee break
	10:25 - 11:15	Epidemiology, study examples
		Anne-Marie Nybo Andersen
	11:15 - 11:20	5 min break
	11:20 - 12:00	Speed dating
	12:00 - 12:45	Lunch
	12:45 - 13:35	Population neuroscience, general introduction
		Tomás Paus
	13:35 - 13:40	5 min break
	13:40 - 14:30	Population neuroscience, study examples
		Tomás Paus
14:30 - 14:45	Walk to MR conference room for coffee break	
14:45 - 15:05	Coffee break	
15:05 - 16:05	Departmental tour: animal scanner, human 7T scanner, Mock scanner, TMS/EEG	
16:05 - 16:10	Closing remarks	
28.01.2020		Brain and behavioural changes across the human life span
		Coffee
	09:00 - 09:05	Introduction to the day
		Kathrine Skak Madsen
	09:05 - 09:55	Neuroimaging methods in lifespan studies: an overview
		William Baaré
	09:55 - 10:00	5 min break
	10:00 - 10:50	Prenatal development, early childhood
		Victoria Southgate
	10:50 - 11:10	Coffee break
	11:10 - 12:00	Childhood, Adolescence
		Kathrine Skak Madsen
	12:00 - 12:45	Lunch
	12:45 - 13:35	Ageing, Dementias
		Carl-Johan Boraxbekk
	13:35 - 13:40	5 min break
	13:40 - 14:10	MRS Lifespan study
	Anouk Marsman	
14:10 - 14:30	Coffee break	
14:30 - 16:15	Preparation, in mentor groups, for speaker challenge at day 4	
16:15 - 16:20	Closing remarks	
29.01.2020		Identifying patterns of change over time and causality: data analyses strategies
		Coffee
	09:00 - 09:05	Introduction to the day
		William Baaré, DRCMR
	09:05 - 09:55	Linear mixed models and GAMMs
		Athanasia Monika Mowinckel
	9:55 - 10:20	Coffee break
	10:20 - 11:10	Linear mixed models and GAMMs: practical example
		Athanasia Monika Mowinckel
	11:10 - 11:15	5 min break
	11:15 - 12:05	Structural equation models
		Rogier Kievit
	12:05 - 12:50	Lunch
	12:50 - 13:40	Structural equation models: practical example
		Rogier Kievit
	13:40 - 13:45	5 min break
	13:45 - 14:35	Machine Learning
	Danilo Bzdok	
14:35 - 15:00	Coffee break	
15:00 - 15:50	Machine Learning: practical example	
	Danilo Bzdok	
15:50 - 16:00	Closing remarks	
30.01.2020		Intrinsic and extrinsic factors influencing brain and behaviour across the lifespan
		Coffee
	09:00 - 09:05	Introduction to the day
		Kathrine Skak Madsen
	09:05 - 09:50	Genetics, epigenetics
		Andrew Schork
	09:50 - 10:10	Mentor group discussion with speaker
	10:10 - 10:30	Coffee break
	10:30 - 11:15	Gut - Immune - brain axis
		Rochellys Diaz Heijtz
	11:15 - 11:35	Mentor group discussion with speaker
	11:35 - 11:40	5 min break
	11:40 - 12:25	Stress hormones
		Claudia Buss
	12:25 - 12:45	Mentor group discussion with speaker
	12:45 - 13:30	Lunch
	13:30 - 14:15	Depression
	Laura Nawijn	
14:15 - 14:35	Mentor group discussion with speaker	
14:35 - 14:55	Coffee break	
14:55 - 15:40	Lifebrain	
	Kristine Walhovd	
15:40 - 16:00	Mentor group discussion with speaker	
16:00 - 16:05	Closing remarks	
31.01.2020		Towards personalized health care
		Coffee
	09:00 - 09:05	Introduction to the day
		Carl Johan Boraxbekk
	09:05 - 10:05	Imaging-based precision medicine
		Hartwig Siebner
	10:05 - 10:25	Coffee break
	10:25 - 11:25	Genome-based precision medicine
		Søren Brunak
	11:25 - 11:35	10 min break
	11:35 - 12:35	Health data in precision medicine
		Carsten Obel
	12:35 - 13:20	Lunch
13:20 - 14:20	Cognitive training	
	Petra Sandberg	
14:20 - 14:30	Short break to get coffee/tea/water	
14:30 - 15:30	Physical exercise	
	Carl-Johan Boraxbekk	
15:30 - 16:00	Discussion/evaluation, Closing Remarks	