

Introduction to Brain Imaging in Neuroscience: With a Focus on MRI, PET, EEG and MEG Methods - Schedule 2023

Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
35	Tuesday	sMRI	Aug 29th	830-900	Introduction to course	*Christoph Pfeiffer
	Tuesday	sMRI		915-1000	Introduction to sMRI & sMRI module	*Rosaleena Mohanty
	Tuesday	sMRI		1030-1200	Instrument	Farshad Falahati
	Thursday	sMRI	Aug31st	830-1000	Data 1	Ludovica Griffanti
	Thursday	sMRI		1030-1200	Data 2	Rosaleena Mohanty
36	Tuesday	sMRI	Sept 5th	830-1000	Applications - clinical (psychiatry)	Ahmed Abdulkadir
	Tuesday	sMRI		1030-1200	Future directions 1	Rodrigo Moreno
	Thursday	sMRI	Sept 7th	830-1000	Applications - academic (neurology)	Annegret Habich
	Thursday	sMRI		1030-1200	Future directions 2	Martin Reuter
	Friday	sMRI	Sept 8th	830-1200	Exam	*Rosaleena Mohanty
Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
37	Tuesday	fMRI	Sept 12th	830-1000	Introduction to fMRI & fMRI module	*Rita Almeida
	Tuesday	fMRI		1030-1200	Basis of BOLD signal	Jonathan Berrebi
	Thursday	fMRI	Sept 14th	830-1000	Data analysis: localization and decoding	Rita Almeida
	Thursday	fMRI		1030-1200	Data analysis: resting-state connectivity	Peter Fransson
38	Tuesday	fMRI	Sept 19th	830-1000	Applications – aging research	Grégoria Kalpouzos
	Tuesday	fMRI		1030-1200	Applications – clinical research (psychiatry)	Predrag Petrovic
	Thursday	fMRI	Sept 21st	830-1000	Applications - academic	Örjan de Manzano
	Thursday	fMRI		1030-1200	Future directions	Patrik Andersson
Friday	fMRI	Sept 22nd	830-1200	Exam	*Rita Almeida	
Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
39	Tuesday	MEG/EEG	Sept 26th	830-1000	Introduction to MEG & EEG module	*Christoph Pfeiffer
	Tuesday	MEG/EEG		1030-1200	Instrument	Mikkel Vinding
	Thursday	MEG/EEG	Sept 28th	830-1000	Data - basics	Robert Oostenveld
	Thursday	MEG/EEG		1030-1200	Data - continued	Mia Liljeström
40	Tuesday	MEG/EEG	Oct 3rd	830-1000	Overview: "Surprises, struggles, and joys on the bumpy MEG	Riitta Hari
	Tuesday	MEG/EEG		1430-1600	Academic applications	Karim Jerbi
	Thursday	MEG/EEG	Oct 5th	830-1000	Clinical applications	Hanna Renvall
	Thursday	MEG/EEG		1030-1200	Future directions	Matti Hämäläinen

	Friday	MEG/EEG	Oct 6th	830-1200	Exam	*Christoph Pfeiffer
Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
41	Tuesday	PET	Oct 10th	830-1000	Introduction to PET & PET module	*Anton Forsberg Morén
	Tuesday	PET		1030-1200	"PET": Source and sensors	Martin Bolin
	Thursday	PET	Oct 12th	830-1000	Data - basics	Anton Forsberg Morén
	Thursday	PET		1030-1200	"The radioligand – basics": Properties and development	Sangram Nag
42	Tuesday	PET	Oct 17th	830-1000	Applications - history	Lars Farde
	Tuesday	PET		1030-1200	Clinical applications	Ruben Smith
	Thursday	PET	Oct 19th	830-1000	Commercial applications	Magnus Schou
	Thursday	PET		1030-1200	Academic applications	Simon Cervenka
	Friday	PET	Oct 20th	830-1200	Exam	*Anton Forsberg Morén
Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
43	Tuesday	Multimodal	Oct 24th	830-1000	Introduction to multimodal imaging & MMI module	*Christoph Pfeiffer
	Tuesday	Multimodal		1030-1200	History / future directions	Risto Ilmoniemi
	Thursday	Multimodal	Oct 26th	830-1000	History / future directions PET/MRI	Lars Stiernman
	Thursday	Multimodal		1030-1200	Multimodal analysis/RSA	Linda Henriksson
	Friday	Multimodal	Oct 27th	830-1200	Exam	*Christoph Pfeiffer

Thursday **Project topic:** Oct 26

Friday **Project report:** Nov 10

46 Mon-Fri **Project presentations :** Nov 13-17