

Introduction to Brain Imaging in Neuroscience: With a Focus on MRI, PET, EEG and MEG Methods - Schedule 2024

Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
1	36	Tuesday	sMRI	Sept 3rd	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	Sept 5th	830-1000	Data 1	Rosaleena Mohanty
		Thursday	sMRI		1030-1200	Applications - academic (neurology)	Annegret Habich
1	37	Tuesday	sMRI	Sept 10th	830-1000	Data 2	Ludovica Griffanti
		Tuesday	sMRI		1030-1200	Applications - clinical (psychiatry)	Ahmed Abdulkadir
		Thursday	sMRI	Sept 12th	830-1000	Future directions 1	Rodrigo Moreno
		Thursday	sMRI		1030-1200	Future directions 2	Martin Reuter
1	Friday	sMRI	Sept 13th	830-1200	Exam	*Rosaleena Mohanty	
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
2	38	Tuesday	fMRI	Sept 17th	830-1000	Introduction to fMRI & fMRI module	*Rita Almeida
		Tuesday	fMRI		1030-1200	Basis of BOLD signal	Jonathan Berrebi
		Thursday	fMRI	Sept 19th	830-1000	Data analysis: localization and decoding	Rita Almeida
		Thursday	fMRI		1030-1200	Data analysis: resting-state connectivity	Peter Fransson
2	39	Tuesday	fMRI	Sept 24th	830-1000	Applications – aging research	Grégoria Kalpouzos
		Tuesday	fMRI		1030-1200	Applications – clinical research (psychiatry)	Predrag Petrovic
		Thursday	fMRI	Sept 26th	830-1000	Applications - academic	Örjan de Manzano
		Thursday	fMRI		1030-1200	Future directions	Patrik Andersson
2	Friday	fMRI	Sept 27th	830-1200	Exam	*Rita Almeida	
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
3	40	Tuesday	MEG/EEG	Oct 1st	830-1000	Introduction to MEG & EEG module	*Christoph Pfeiffer
		Tuesday	MEG/EEG		1030-1200	Instrument	Mikkel Vinding
		Thursday	MEG/EEG	Oct 3rd	830-1000	Data - basics	Robert Oostenveld
		Thursday	MEG/EEG		1030-1200	Data - continued	Mia Liljeström
3	41	Tuesday	MEG/EEG	Oct 8th	830-1000	TIMING MATTERS	Riitta Hari
		Tuesday	MEG/EEG		1430-1600	Academic applications	Karim Jerbi
		Thursday	MEG/EEG	Oct 10th	830-1000	Future directions	Matti Hämäläinen

		Thursday	MEG/EEG		1030-1200	Clinical applications	Hanna Renvall
3		Friday	MEG/EEG	Oct 11th	830-1200	Exam	*Christoph Pfeiffer
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
4	42	Tuesday	PET	Oct 15th	830-1000	Introduction to PET & PET module	*Anton Forsberg Morén
		Tuesday	PET		1030-1200	"PET": Source and sensors	Martin Bolin
		Thursday	PET	Oct 17th	830-1000	Data - basics	Anton Forsberg Morén
		Thursday	PET		1030-1200	development	Sangram Nag
4	43	Tuesday	PET	Oct 22nd	830-1000	Applications - history	Andrea Varrone
		Tuesday	PET		1030-1200	Clinical applications	Ruben Smith
		Thursday	PET	Oct 24th	830-1000	Commercial applications	Magnus Schou
		Thursday	PET		1030-1200	Academic applications	Johan Lundberg
4		Friday	PET	Oct 25th	830-1200	Exam	*Anton Forsberg Morén
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
5	45	Tuesday	Multimodal	Nov 5th	830-1000	module	*Christoph Pfeiffer
		Tuesday	Multimodal		1030-1200	MEG/EEG/TMS/MRI	Risto Ilmoniemi
		Thursday	Multimodal	Nov 7th	830-1000	History / future directions PET/MRI	Lars Stiernman
		Thursday	Multimodal		1030-1200	Multimodal analysis/RSA	Linda Henriksson
5		Friday	Multimodal	Nov 8th	830-1200	Exam	*Christoph Pfeiffer

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Thursday **Project topic:** Oct 31
Friday **Project report:** Nov 15
47 Mon-Fri **Project presentations :** Nov 18-22



