

Introduction to Brain Imaging in Neuroscience: With a Focus on MRI, PET, EEG and MEG Methods - Schedule 2025

Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
1	36	Tuesday	sMRI	Sept 2nd	830-900	Introduction to course	*Christoph Pfeiffer
		Tuesday	sMRI		915-1000	Introduction to sMRI & sMRI	*Rosaleena Mohanty
		Tuesday	sMRI		1030-1200	Instrument	Farshad Falahati
		Thursday	sMRI	Sept 4th	830-1000	Data 1	Rosaleena Mohanty
		Thursday	sMRI		1030-1200	Future directions 1	Rodrigo Moreno
1	37	Tuesday	sMRI	Sept 9th	830-1000	Applications - academic (neurology)	Annegret Habich
					1030-1200	Data 2	Anna Inguanzo
		Thursday	sMRI	Sept 11th	830-1000	Applications - clinical (psychiatry)	Ahmed Abdulkadir
		Thursday	sMRI		1030-1200	Future directions 2	Martin Reuter
1		Friday	sMRI	Sept 12th	830-1200	Exam	*Rosaleena Mohanty
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
2	38	Tuesday	fMRI	Sept 16th	830-1000	Introduction to fMRI & fMRI	*Fahimeh Darki
		Tuesday	fMRI		1030-1200	Basis of BOLD signal	Jonathan Berrebi
		Thursday	fMRI	Sept 18th	830-1000	Data analysis: localization and	Rita Almeida
		Thursday	fMRI		1030-1200	Data analysis: resting-state	Peter Fransson
2	39	Tuesday	fMRI	Sept 23rd	830-1000	Applications – aging research	Grégoria Kalpouzos
		Tuesday	fMRI		1030-1200	Applications – clinical research	Predrag Petrovic
		Thursday	fMRI	Sept 25th	830-1000	Applications - academic	Janina Seubert
		Thursday	fMRI		1030-1200	Future directions	Jörgen Rosén
2		Friday	fMRI	Sept 26th	830-1200	Exam	*Fahimeh Darki
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
3	40	Tuesday	MEG/EEG	Sept 30th	830-1000	Introduction to MEG & EEG module	*Christoph Pfeiffer
		Tuesday	MEG/EEG		1030-1200	Instrument	Mikkel Vinding
		Thursday	MEG/EEG	Oct 2nd	830-1000	Data - basics	Christoph Pfeiffer
		Thursday	MEG/EEG		1030-1200	Data - continued	Mia Liljeström
3	41	Tuesday	MEG/EEG	Oct 7th	830-1000	TIMING MATTERS	Riitta Hari
		Tuesday	MEG/EEG		1430-1600	Academic applications	Karim Jerbi
		Thursday	MEG/EEG	Oct 9th	830-1000	Future directions	Matti Hämäläinen
		Thursday	MEG/EEG		1030-1200	Clinical applications	Hanna Renvall

Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
3		Friday	MEG/EEG	Oct 10th	830-1200	Exam	*Christoph Pfeiffer
4	42	Tuesday	PET	Oct 14th	08:30-10:00	Introduction to PET & PET module	*Anton Forsberg Morén
		Tuesday	PET		10:30-12:00	"PET": Source and sensors	Martin Bolin
		Thursday	PET	Oct 16th	08:30-10:00	"The radioligand – basics":	Sangram Nag
		Thursday	PET		10:30-12:00	Data analysis - basics	Granville Matheson
4	43	Tuesday	PET	Oct 21st	08:30-10:00	Applications - history	Andrea Varrone
		Tuesday	PET		10:30-12:00	Academic applications	Granville Matheson
		Thursday	PET	Oct 23rd	08:30-10:00	Clinical applications	Ruben Smith
		Thursday	PET		10:30-12:00	Commercial applications	Magnus Schou
4		Friday	PET	Oct 24th	08:30-12:00	Exam	*Anton Forsberg Morén
Module	Week	Day	Modality	Date	Time	Lecture topic / focus	Lecturer
5	45	Tuesday	Multimodal	Nov 4th	830-1000	Introduction to multimodal imaging	*Christoph Pfeiffer
		Tuesday	Multimodal		1030-1200	History / future directions	Risto Ilmoniemi
		Thursday	Multimodal	Nov 6th	830-1000	History / future directions PET/MRI	Lars Stiernman
		Thursday	Multimodal		1030-1200	Multimodal analysis/RSA	Linda Henriksson
5		Friday	Multimodal	Nov 7th	830-1200	Exam	*Christoph Pfeiffer

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Thursday **Project topic:** Oct 30
Friday **Project report:** Nov 14
47 Mon-Fri **Project presentations :** Nov 17-21

