

MR Physics PhD Course 2026

What? Course in advanced MRI

Why? To widen your view of MRI

Who? Graduate students (PhD level)

When? 16-20 november (week 47)

Where? Lund, Sweden

How? 30+ lectures and a solo project

By whom? Experts in the field

Registration? Email course leaders

Cost? Free

Requirements? Basic MRI

Credits? 7.5 ECTS (on site lectures + project)

Contact? Course leaders:

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Mandatory activities: Attending the lectures in Lund, plus a 3 week solo project on a topic outside of the main PhD activities + written report + presentation in Lund (early 2027, date to be decided).

Preliminary schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
08:30 - 09:15		Ultra-strong fields (KMB)	Diffusion MRI (MN)	Imaging (SS)	Fat (PP)
09:15 - 10:00		Preclinical (HL)	Diffusion MRI (MN)	Imaging (SS)	fMRI (RA)
10:00 - 10:30	Introduction	Coffe + meet teachers	Coffe + meet teachers	Coffe + meet teachers	Coffe + meet teachers
10:30 - 11:15	MRI (FS)	QSM (ELi)	Ultra-strong gradients (MM)	Denosing (SJ)	MR-linac (EP)
11:15 - 12:00	Fast and silent (ELj)	MRS (RZ)	Concomitant fields (FSz)	Image registration	Wrap up (MN, FSz)
12:00 - 13:00	Lunch	Lunch	Lunch	Lunch	
13:00 - 13:45	Perfusion (ELi)	Ultra low and high (ELj)	Biophysical modelling (SJ)	qMRI (FT)	
13:45 - 14:30	Flow (KMB)	Application ultra low (FL)	Tractography (BJ)	Pulse programming (FSz)	
14:30 - 15:00	Coffe + meet teachers	Coffe + meet teachers	Coffe + meet teachers	Coffe + meet teachers	
15:00 - 15:45	Cardiac (EHe)	MR safety (LW)	Experiment opt (BL)	Dementia (NS)	
15:45 - 16:30	Glymphatics (Harris)	CEST (AS)		Brain tumors (PS)	
16:30 - 17:00	Coffe + meet teachers	Coffe + meet teachers		Coffe + meet teachers	
Evening			Dinner		

General
 Hardware
 Applications
 Contrasts
 Imaging

Lecturers: AS - Anina Seidemo, BJ - Ben Jeurissen, BL - Björn Lampinen, EHe - Erik Hedström, ELj - Emil Ljungberg, ELi - Emelie Lind, EP - Emilia Persson, FL - Finn Lennartsson, FS - Freddy Ståhlberg, FSz - Filip Szczepankiewicz, FT - Frederik Testud, HG - Harris Georgiopoulos, HL - Henrik Lundell, KMB - Karin Markenroth Bloch, LW - Linda Wennberg, MN - Markus Nilsson, MM - Malwina Molendowska, NS - Nicola Spotorno, RA - Rita Almeida, RZ - René In 't Zandt, SJ - Sune Jespersen, SS - Sophie Schauman, PP - Pernilla Peterson, PS - Pia Sundgren

Welcome!