



SIMON

School of In Vivo
Magnetic Resonance Relaxation

AgoraLink

Agora for Life Science Technologies
Linköpings Universitet

You are cordially invited to

SIMON

at the University of Linköping/University Hospital of Linköping, Spring 2010

Preliminary course dates: 15 (level I), 16, 17 February, 10, 11, 12 May (level II, III); February-May (level IV).

The course will include a range of biologically relevant topics such as:

Basic theory of relaxation, effects of diffusion, charge and quadrupoles on relaxation, relaxation in biological systems, multicompartment relaxation, quantitative measurements of relaxation, chemical exchange and relaxation, paramagnetic relaxation, magnetization transfer, etc.

FACULTY The faculty includes a number of internationally acclaimed scientists from both the MRI- and the NMR-communities.

COURSE LEVELS The course is divided into four independent parts: easy (I), intermediate (II and III) and advanced levels (IV). The advanced level involves a (bi-weekly) reading course in February-May.

MEDICAL PROFESSIONS Parts of the course (level I) is suitable for nurses, technologists and radiologists in the field of MR-applications (see course documents for more details).

RESEARCH STUDENTS This research course (levels II, III, and IV) is mainly intended for graduate students of physics and engineering with a relatively thorough understanding of fundamental magnetic resonance physics, and an interest in magnetic resonance investigations of tissues such as in vivo NMR and MRI (see course documents for more details).

CPD Professional medical physicists are also invited to attend, and fulfillment of the course requirements will (pending) provide CPD-credits according to the Swedish Society for Medical Physicists.

REGISTRATION DETAILS ETC The number of attendees is limited due to constraints of our facilities. Register to the following address: ingela.allert@liu.se no later than January 15, 2010. Course fees are waived for registered graduate students, and for individuals associated with CMIV or AgoraLink. The attendees will have to arrange their own travels and accommodation. We recommend Hotel Ekoxen, and the YHA city hostel, both are within easy walking distance of the university hospital. Social events will be a valuable part of the course.

COURSE ORGANIZER Peter Lundberg (PhD), peter.lundberg@liu.se, CMIV and the Dept of Radiation Physics, University of Linköping, Linköping Sweden, Ph +46-13-22 27 90 (office).