

Mon Jun18	15th Kuopio Bio-NMR Workshop: Cardiac magnetic resonance imaging and applications
08:30-09:00	<i>Registration</i>
Theme: Techniques	
Session: NMR Basics	
09:00-09:15	Opening of the workshop Dr Timo Liimatainen, University of Eastern Finland
09:15-09:45	NMR basics Dr Johanna Närväinen, University of Eastern Finland
09:45-10:15	From NMR signal to MR image Dr Olli Gröhn, University of Eastern Finland
10:15-10:45	<i>Coffee</i>
Session: Advanced techniques	
10:45-11:30	Cine imaging and relaxation measurements in the heart Dr Juergen Schneider, University of Oxford, UK
11:30-12:15	Modern automated NMR of body fluids Dr Pasi Soininen, University of Eastern Finland
12:15-13:15	<i>Lunch</i>
13:15-14:00	Cornerstones and challenges in clinical cardiac MRI Dr Petri Sipola, Kuopio University Hospital, Finland
14:00-14:45	MRI contrast agents for heart imaging Dr Gustav Strijkers, Eindhoven University of Technology, the Netherlands
14:45-15:45	<i>Coffee and Poster Session</i>
15:45-16:30	Rotating frame relaxation imaging Dr Walter Witschey, University of Philadelphia, USA
16:30-18:00	Optional laboratory visit
18:00-	<i>Social Program</i>

Tue Jun19	15th Kuopio Bio-NMR Workshop: Cardiac magnetic resonance imaging and applications
	Theme: Applications
	Session: Other imaging modalities
09:00-09:45	Computed tomography and ultrasound in cardiovascular diagnosis Dr Antti Saraste, University of Turku, Finland
09:45-10:30	High-Throughput Serum NMR Metabolomics in Cardiovascular Epidemiology Dr Mika Ala-Korpela, Univ. of Oulu, Finland & Imperial College London, UK
10:30-11:00	<i>Coffee</i>
11:00-11:45	TBA, PET and MRI related topic Dr Juhani Knuuti, University of Turku, Finland
	Session: Cardiac MRI
11:45-12:30	TBA, related to cardiac rotating frame measurements Dr Walter Witschey, University of Philadelphia, USA
12:30-13:30	Lunch
13:30-14:15	TBA Dr Gustav Strijkers, Eindhoven University of Technology, the Netherlands
14:15-15:15	Oral presentations selected based on submitted abstracts
15:15-15:45	<i>Coffee</i>
15:45-16:30	TBA, topic related to atherosclerosis TBA (Univ. Eastern Finland)
16:30-17:15	TBA Dr Juergen Schneider, University of Oxford, UK
17:15-17:20	Closing words Timo Liimatainen