



## Scientific symposium on Nuclear Magnetic Resonance

THURSDAY, 7<sup>TH</sup> of MARCH 2013 FROM 2PM UNTIL 5:30PM  
Novotel Hotel, Vuurkruisenlaan 4, Leuven, Belgium

### Abstract

*In vivo Magnetic Resonance Spectroscopy and Spectroscopic Imaging (MRS(I)) are unique, indispensable techniques for non-invasive metabolic imaging. Important areas where MRS(I) can make a difference are oncology and neurology, where metabolic changes due to, e.g., tumour formation, can be detected earlier and more sensitively than with morphological imaging modalities alone. This symposium will introduce us to some of the hottest topics regarding the acquisition, data preprocessing and classification of MRS(I) data, as well as MR imaging quantification.*

### Program

#### Session 1

14:00-14:35 Roland Kreis (Dept. Clinical Research and Radiology, Univ. Bern)

*"MR spectroscopy investigations with and without water suppression in brain, muscle and heart"*

14:35-15:10 Johannes Slotboom (Dept. Radiology, Neuroradiology and Nuclear Medicine, University of Bern, Switzerland)

*"Clinical Routine MRS in the Neuroradiology"*

15:10-15:45 Margarida Julia-Sape (CIBER-BNN, Barcelona)

*"Classification and decision-support systems for the analysis of brain tumour MRS data"*

15:45-16:15 Coffee break

#### Session 2

16:15-16:50 Carole Frindel (CREATIS, Universite Claude Bernard Lyon I, France)

*"Computer vision tools for analysis and quantification of MR images in the brain"*

16:50-17:25 Dirk Loeckx (icoMetrix, Belgium)

*"Automatic image registration and its role in multimodal image quantification"*

### Registration

Please send an email with your intention to participate to: [anca.croitor@esat.kuleuven.be](mailto:anca.croitor@esat.kuleuven.be)



For any questions please contact us:

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