



# FAST jMRUI Training Course

*Sunday 2 May 2010, Möten Rica Talk Hotel, Stockholm, Sweden*

## **Hands-on exercises**

*Tutors:* Miquel Cabanas, Cristina Cudalbu, Federico Di Cesare, Danielle Graveron-Demilly, Andrii Lazariiev, Maria Isabel Osorio, Oliver Strbak

## **Programme**

- 08:40- 09:00                   Registration and installation of laptops
- 09:00-09:20                   **Overview of jMRUI functionalities**, Danielle Graveron-Demilly  
Université Claude Bernard, Lyon 1, France
- 09:20-09:30                   **New jMRUI Website**, Miquel Cabanas  
Universitat Autònoma de Barcelona, Spain
- 09:30-10:45                   **Simulation of metabolite basis-sets with NMR-SCOPE**  
*Tutorial* (15mn), Danielle Graveron-Demilly  
*Exercise*
- 10:45-11:00                  *Coffee break*
- 11:00-12:15                   **Quantitation of <sup>1</sup>H short echo-time signals - QUEST**  
*Tutorial* (15mn), Danielle Graveron-Demilly  
*Exercises*  
<sup>1</sup>H human brain data, 3T  
<sup>1</sup>H rat brain data, 7T
- 12:30-13:30                  *Lunch (offered by FAST)*
- 13:30-14:00                   **Error Estimation**  
*Tutorial*, Dirk van Ormondt  
TUDelft, The Netherlands
- 14:00-14:30                   **Quantitation with AMARES**  
*Tutorial* (15mn), Maria Isabel Osorio  
Katholieke Universiteit Leuven, Belgium  
*Exercises*  
<sup>31</sup>P human brain data, 1.5T  
<sup>31</sup>P muscle time-series, 2T
- 14:30-15:30                   **Quantitation of MRSI data**  
*Tutorial* (15mn) Miquel Cabanas  
*Exercise*  
<sup>1</sup>H MRSI human brain data, 1.5T
- 15:30-15:45                  *Coffee break*
- 15:45-16:30                   **Implementation of plug-ins**  
*Tutorial*, Federico Di Cesare, Mariano Uberti  
Université Claude Bernard, Lyon 1, France
- Plug-in in Java
  - Plug-in from Matlab
  - Examples of plug-ins developed by Johannes Slotboom (jMRUI user),  
Danielle Graveron-Demilly
- 16:30-16:45                   Conclusions