



Technical background of ASL in dementia
Training School in Toulouse/FR, Sept 30 – Oct 2, 2013
Programme

Monday, September 30, 2013 – ASL Basics and Labeling

08:00 - 08:30	Registration, welcome and coffee
08:30 - 08:45	Introduction
08:45 - 09:30	ASL acquisition basics - labeling and acquisition (Jan Warnking)
09:30 - 10:30	ASL quantification and post-processing basics (Thijs van Osch and Jan Warnking)
10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:30	Physiology basics (Egill Rostrup)
12:30 - 14:00	Free time for individual lunch
14:00 - 15:00	Introduce yourself (1 min each, 1 slide each, round table)
15:00 - 15:30	Pseudo-continuous labeling (Thijs van Osch)
15:30 - 16:00	<i>Coffee break</i>
16:00 - 17:00	Matlab or Octave practical session (lead by Thijs van Osch)
17:00 - 18:00	Auto-evaluation / solutions / wrap-up
Evening	<i>Social dinner</i> (funded by COST, registration required)

Tuesday, October 1, 2013 – Data Acquisition

08:00 - 08:30	Registration, welcome and coffee
08:30 - 09:15	Review of existing studies on ASL in dementia (Marion Smits)
09:15 - 10:00	Readouts I (Matthias Günther)
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:15	Readouts II (Jan Warnking)
11:15 - 12:30	Practical exercises on readouts (lead by Matthias Günther)
12:30 - 14:00	<i>Free time for individual lunch</i>
14:00 - 15:00	Background suppression - including practical exercises (Jan Warnking)
15:00 - 15:30	<i>Coffee break</i>
15:30 - 17:30	Multi TI and ATT mapping (Esben Thade Petersen)
17:30 - 18:00	Auto-evaluation / solutions / wrap-up
Evening	<i>City tour and wine tasting</i> (individually funded, registration required)

Wed October 2, 2013 – Image Processing

08:00 - 08:30	Welcome and coffee
08:30 - 09:30	Pre-processing: motion correction, denoising, outlier detection (Alessandra Bertoldo)
09:30 - 10:15	Post-processing: kinetics and M0 estimation (Michael Chappel)
10:15 - 10:45	<i>Coffee break</i>
10:45 - 11:30	Post-processing: normalization and partial volume correction (Michael Chappel)
11:30 - 12:30	Detecting perfusion abnormalities at the group and the individual level. Random-effects and Mixed-effects GLM (Camille Maumet)
12:30 - 14:00	<i>Free time for individual lunch</i>
14:00 - 14:30	Multi TI modelling and model considerations to ASL in dementia (Michael Chappel)
14:30 - 16:00	Data processing workshop / demo (lead by Michael Chappel)
16:00 - 16:30	<i>Coffee break</i>
16:30 - 17:00	Wrap-up

