



Research Tools and Data Handling Course

September 8-12th 2008, Zurich, Switzerland

Targeting basic and clinical scientists, this 5-day course provides background knowledge and hands-on of several research options available on the Philips Achieva platform to allow the temporary modification of pulse sequences, diagnosis of image artifacts, handling of different image and research data formats, connecting hardware to the system and post-processing using the PRIDE platform.

Monday:

- Introduction of system architecture
- Sequence development
- Pulse sequence and image artifact inspection
- Exercise: Sequence development and inspection

Tuesday:

- Image reconstruction
- Standard file formats in Imaging and Spectroscopy
- Tools to import and process exported data
- Data anonymization
- Introduction to Perl
- Exercise: Programming an image converter in Perl

Wednesday:

- Introduction of system hardware
- Connecting 3rd party and own coils
- Safety aspects
- Exercise: Setting up fMRI hardware
- Database queries using ISQL
- Exercise: ISQL

Thursday:

- Introduction of IDL
- PRIDE and DRIN
- Exercise: PRIDE project

Friday:

- Advanced image reconstruction
- Exercise: PRIDE project

Course fee: 2900 EUR (excl. travel expenses and lodging)

Registration: Online at www.gyrotools.com