

Processing and analysis of fMRI data

Coordinator: Brunno Machado de Campos

Date: April 9th and 10th

Maximum number of students:

Program:

April 9th (Saturday) morning (8:30h-12:30h):

Place: LNI seminar classroom and MRI scanner – Hospital de Clínicas – UNICAMP

- 1) Theoretical class on magnetic resonance, data pre-processing, and (superficially) statistical analysis
- 2) Hands-on: Two finger tapping acquisitions at the scanner
- 3) Hands-on: Two resting state acquisitions at the scanner
- 4) Hands-on: Two VBM acquisitions at the scanner

Lunch

April 9th (Saturday) afternoon (13:30h-17:30h):

Place: Medical Physics Lab – Hospital de Clínicas – UNICAMP

- 5) Image reorientation
- 6) Hands-on: Data pre-processing (using the UF2C software)
- 7) Hands-on: Statistical analysis of motor images

April 10th (Sunday) morning (8:30h-12:30h):

Place: Medical Physics Lab – Hospital de Clínicas – UNICAMP

- 8) Theoretical class on resting state
- 9) Theoretical class on functional connectivity
- 10) Hands-on: connectivity analysis