

2024 AIRC Pre-Symposium Workshop

Date: June 3, 2024
Time: 8:30am to 5:00pm
Location: AIRC
Topics: fMRI and MRS (parallel sessions)

fMRI Lectures

9:00am - 11:30am

Luca Vizioli: fMRI Basic Principles
Binu Thomas: Task Based fMRI, Gas Inhalation & Breathing Modulation
Sheeba Anteraper: Learning the CONN Toolbox for Resting-State fMRI Data Analysis
Luca Vizioli: Introduction to Layer fMRI

MRS Lectures

9:00am - 11:30am

Manoj Kumar Sarma: Basic Principles & Localization
Kimberly Chan: Spectral Editing
Anke Henning: Spectral Quantification
Jimin Ren: Non-Proton MRS

Lunch

11:30am - 12:30pm

Scan Sessions

12:30pm - 2:30pm

MRS package Siemens – 3TA (Manoj Kumar Sarma) & Spectral Editing, MRSI – 3TB (Kimberly Chan)
fMRI, layer fMRI (& SV MRS) – 7T (Binu Thomas, Luca Vizioli, Sheeba Anteraper, Ivan Dimitrov & Anke Henning)
Preclinical fMRI and MRS – Bruker 9.4T (Valerie Doan Phi Van & Janaka Wansapura)
31P MRS / MRSI – 7T (Jimin Ren)

Hands-On Data Processing: fMRI

3:00pm - 5:00pm

CONN toolbox (Sheeba Anteraper)
Layer fMRI (Luca Vizioli)
ASL, CMRO2, vascular reactivity) (Binu Thomas)
Preclinical fMRI (Valerie Doan Phi Van)

Hands-On Data Processing: MRS

3:00pm - 5:00pm

Spectator (Manoj Kumar Sarma)
ProFit 1D spectral fitting tool (9.4T data) (Yeison Rodriguez)
Editing Analysis Pipeline (Kimberly Chan)
31P MRS analysis Pipeline (Jimin Ren)



For more information/to sign up, please contact Sheeba.Anteraper@UTSouthwestern.edu