

NMR Metabolomics and ¹³C Fluxomics Workshop
NHMFL AMRIS Facility, University of Florida, Gainesville, FL
May 7-11, 2018

Please note: Lectures in L1-101 are open to UF researchers, but labs are limited to workshop students.

All lectures will take place in room L1-101 of the [McKnight Brain Institute](#).

Labs, with the exception of the first one, will be in the AMRIS Facility at the MBI.

The first lab will be in R3-241 of the [Academic Research Building](#).

Monday, May 7th

Overview, L1-101 [9:00-10:00]

Matt Merritt

Sample Preparation Lab, R3-240 [10:00-12:00]

Lunch [12:00-1:00]

Safety Lecture, L1-101 [1:00-2:00]

James Collins

Proton NMR Metabolomics Lab 1, AMRIS Wing [2:00-4:00]

NMRBox Intro, L1-101 [4:00-5:00]

Adam Schuyler and Mark Maciejewski

Tuesday, May 8th

NMR Probes, L1-101 [9:00-10:00]

Bill Brey

Proton Metabolomics Data Analyses, L1-101 [10:00-12:00]

Hamid Eghbalnia and Hesam Dashti

Lunch [12:00-1:00]

Proton NMR Metabolomics Lab 2, AMRIS Wing [1:00-4:00]

Wednesday, May 9th

¹³C Fluxomics, L1-101 [9:00-10:00]

Matt Merritt

Carbon Isotopomer NMR Lab, AMRIS Wing [10:00-12:00]

Lunch [12:00-1:00]

Dissolution DNP Lab, AMRIS Wing [1:00-3:00]

Carbon Metabolic Flux Analyses, L1-101 [3:00-4:00]

Ram Khattri

2-D NMR Processing, L1-101 [4:00-5:00]

Bruce Johnson

Thursday, May 10th

In vivo NMR Spectroscopy, L1-101 [9:00-10:00]

James Collins

In vivo Proton/Phosphorus NMR Lab, AMRIS Wing [10:00-12:00]

Lunch [12:00-1:00]

Statistical Analysis, L1-101 [1:00-3:00]

Rohit Mahar

Metaboanalyst, L1-101 [3:00-5:00]

Rohit Mahar and Ram Khattri

Friday, May 12th

Tying it all together and outbrief of the Week, L1-101 [9:00-10:00]

Matt Merritt

HRMAS NMR Lab, AMRIS Wing [10:00-12:00]

In Vivo Tour (including lunch) [12:00-3:00]