

NMR/MRI TRAINING CLASS: BIOSPEC 7T LAB TOPICS

Sept. 25 - Lab meeting #1:

Safety information	Getting & Saving data files
Introduction	Processing data
Linux	Inspecting data
Topspin & ParaVision	Plotting data (hard copy)

Oct. 2 - Lab meeting #2:

Setting up for data collection
Proper FID acquisition parameters
Acquiring data
Apodization and other data processing

Oct. 9 - Lab meeting #3:

Sample changing
Probe tuning
Shimming
Setting gains
Pulse calibration

Oct. 16 - Lab meeting #4:

T_1 & T_2 measurement

Oct. 23 - Lab meeting #5

Imaging
Spin echo T_1 & T_2 Maps

Oct. 30 - Lab meeting #6

Imaging
Gradient echo, FLASH
Multi-slice
Multi-echo

Nov. 6 - Lab meeting #7

Imaging
Na Imaging

Nov. 13 - Lab meeting #8

Imaging
Fast Imaging RARE, EPI
Also: Data Archival, Trouble shooting, Editing files, Macros

Nov. 20 - Lab meeting #9:

Chemical shift imaging, Localized Spectroscopy

Nov. 27 - NO meeting:

Thanksgiving

Dec. 4 - Lab meeting #10:

Diffusion Imaging