

	Wednesday Oct 9				Thursday Oct 10			
	Topic	(Presenter)	(Topic)	Presenter	Topic	(Presenter)	(Topic)	Presenter
Bkfst								
9a	BOLD mechanisms			K Ugurbil	Multiband	K Setsompop	7T/AS: DWI	Vu/Yacoub
10a	Q&A				ICA/resting state	F D'Martino		
coffee								
11a	GLM Basics			C Olman	7T/AS: DWI	Vu/Yacoub	Multiband	K Setsompop
	Software demonstrations			P Burton F D'Martino			ICA	F D'Martino
Lunch								
1p	Diffusion basics	C. Lenglet	7T/PS: task fMRI	Vu/Yacoub	Grayordinates Analysis Hands-on			M Glasser
2p	Advanced diffusion	C. Lenglet			Grayordinates Analysis			M Glasser
coffee								
3p	7T/PS: task fMRI	Vu/Yacoub	Diffusion basics	C Lenglet	ConnectomeDB and Connectome Workbench			J Elam
			Advanced diffusion	C Lenglet				
4p					Grayordinates Analysis Results			M Glasser
5p	CMRR tour			K Ugurbil				

Legend:

Lecture
Data analysis
Data acquisition

For parallel sessions on Wed pm and Thurs am: Group A  
Group B

Day	Presenter	Title	Topic	Group size
1	Kamil Ugurbil	<i>Introduction to BOLD mechanisms</i>	Dr. Ugurbil will discuss the contributions of different contrast mechanisms to our understanding of brain function.	16
	Cheryl Olman	<i>GLM basics</i>	This hands-on session will provide data and analysis tools for students to learn the basics of GLM analysis of fMRI data.	16
	Christophe Lenglet	<i>Diffusion basics</i>	This half-hour lecture will provide background on diffusion MRI.	8
	Christophe Lenglet	<i>Advanced diffusion</i>	During this hour-long session, students will work individually at workstations on provided data provided to learn about diffusion MRI analysis techniques.	8
	J Vu/E Yacoub	<i>DWI and anatomy acquisition</i>	Students will spend an hour and a half at the 7T/PS scanner to learn how to acquire diffusion-weighted data and anatomical data (with PD normalization) at ultra high field.	8
2	Kawin Setsompop	<i>Simultaneous MultiSlice acquisition and its application to Connectome and beyond</i>	This educational session provides a review of Simultaneous MultiSlice acquisition and reconstruction techniques. The benefits of such acquisition methods for MRI Connectomic and other MRI modalities are described.	8
	Federico D'Martino	<i>Independent Components Analysis</i>	Students will learn about ICA and clustering and other data driven analysis methods.	8
	J Vu/E Yacoub	<i>t/rfMRI acquisition with multiband sequences</i>	Students will acquire highly accelerated functional MRI data on the 7T/AS.	8
	Jennifer Elam	<i>Setting up a Workbench(?) job</i>	Participants will be guided through setting up a gray-ordinates-based task fMRI analysis on workstations using HCP data. This job will run in the background during the next presentations.	16
	Matt Glasser	<i>Data analysis</i>	This lecture will cover the details of analysis of Connectome data in the grayordinate system.	16
	Jennifer Elam	<i>ConnectomeDB and Connectome Workbench</i>	Students will be guided through the process of using Connectome data and analyses	16
		<i>Data analysis results</i>	Students will have an opportunity to inspect the results of the analysis they launched at the beginning of the morning.	16