

APA's Advanced Training Institute in Functional MRI
2005 Schedule with Emphasis on Clinically Oriented Applications
2006 Emphasis will be on Data Analysis

Sunday

7:00pm-11:00pm **Introductory Buffet Dinner** USS Constitution Museum (short walk from Constitution Inn)

Monday

8:00 - 8:45 - A, B - **Overview of the Program and fMRI-Based Experiments; Intro to Design Workshop** Robert Savoy
9:00 - 12:30 - C - **Basics of NMR and MRI: Sources of Signal and Contrast; Image Contrast and Tradeoffs in fMRI; Safety, HRC/IRB Considerations** Larry Wald
12:30 - 1:30 *Lunch*
1:30 - 2:15 - D, E - **Overview of Data Analysis; Overview of Experimental Design** Robert Savoy
2:30 - 3:30 - F - **Imaging Methods for Studying Emotions and Behavior** Pietro Pietrini
4:00 - 5:30 - G - **Systematic Data Analysis: Part I** Tom Zeffiro

Tuesday

8:00 - 9:30 - H - **Experimental Design in Functional Neuroimaging** Robert Savoy
10:00 -11:00- I-**Imaging Methods for Studying Pharmacological Modulation of Brain Function** Pietro Pietrini
11:00 - 11:15 - Pocket- **More on Design Workshop** Robert Savoy
11:30 -12:30 *Lunch*
12:30 - 1:30 - J - **fMRI Experimental Design: Options and Clinical Considerations** Randy Buckner
 Group Photo
2:00 - 3:00 - K - **Comparing Brains** Dave Kennedy / Nikos Makris
3:15 - 4:30 - L - **Systematic Data Analysis: Part II** Tom Zeffiro
4:30 - 5:00 - Pocket- **More Design Workshop Preparation** Robert Savoy
6:00 - 7:15 *Dinner in the Atrium*
7:15 - 8:30 - Pocket- **Tour of Laboratory / Structural Scan / Functional Scan (Process by Salat?)** Robert Savoy/ Mary Foley
7:15 - -->?? **Experimental Design Workshop** Staff (Buckner, Cox, Savoy, Yotsumoto, Zeffiro)

Wednesday

8:30 - 9:30 - M - **Application: Cocaine as an instance of Drug Studies** Randy Gollub
9:45 - 10:45 - N - **Practicalities in Human fMRI Research** Chantal Stern
11:15 - 12:15 - O - **Explorations of Memory Function and Dysfunction using Human Neuroimaging** Randy Buckner
12:30 - 1:15 *Lunch*
1:15 - 2:15 - P - **Advances in Single Trial Design** Robert Savoy
2:15 - 3:00 - Q - **Computational Neuroanatomy** Bruce Fischl or David Salat
3:30 - 4:30 - R - **Application: Imaging Studies of Motor and Reading Development** Tom Zeffiro
4:00 - 5:00 - S - **Overview of Software Packages** Robert Savoy
6:00 - 7:15 *Dinner in the Atrium*
7:15 - -->?? **Continuing Design of Experimental Presentations / Free Play with Software** Staff

Thursday

9:00 - 10:30 - T - **General Q&A / Review of Basic and Advanced MRI** Larry Wald / Robert Savoy
11:00 - 12:00 - U - **Clinical Applications of fMRI in Pre-surgical Planning** Joy Hirsch
12:00 - 1:00 *Lunch (and informal tour of MEG facilities, thanks to Seppo Ahlfors)*
1:00 - 2:00 - V - **Novel Design and Analysis: Two fMRI Studies on Visual Object Representation** David Cox
2:15 - 5:30 **Open Consulting Time / Presentation Preparation / Play with Brain Voyager** Staff
 Critical Review of Selected Papers; Multivariate Data Analysis Staff
7:00 - -->?? *Possible (optional) group dinner in Boston...to be announced*

Friday

9:00 - 10:00 - W - **Data Analysis Review Session** Tom Zeffiro / Robert Savoy
10:00 - 12:00 **Presentation of Proposed Experiments** Participants
12:00 - 1:00 *Lunch*
1:00 - 2:00 - X - **Keynote Lecture: Functional Brain Imaging and the Future** Bruce Rosen
2:00 - **Program Evaluation & Closing (ending no later than 3:00pm)**