

**Functional Neuroimaging Seminar (aka “fMRI Journal Club”) 200.615**  
**Selected Thursdays (see schedule below), 12-12:50pm**  
**Location: 217 Ames Hall**

**Instructor:** Leon Gmeindl, Ph.D., 136 Ames Hall, (410) 516-3914, [gmeindl@jhu.edu](mailto:gmeindl@jhu.edu)

**Course web site:** <http://psy.jhu.edu/~fmrijc/index.html> Students will need to refer to this web site for important information throughout the semester. Prior to each meeting, URLs for readings will be posted on the “Topics/Readings” page. The list of presenters, once compiled, will be posted on the “Presenter List” page.

**Course email address:** [fmriclub@psy.jhu.edu](mailto:fmriclub@psy.jhu.edu) *Note that email sent to this address will be delivered to all members of the course email group, not just to Leon. Those who are not registered for the seminar may join the email group via the course web site.*

**Seminar overview:** This seminar addresses current topics in neuroimaging, with an emphasis on their application to psychological research. Theoretical issues, methodology, and analysis techniques of particular interest to those of us conducting neuroimaging studies will be selected for review this semester (see schedule below and on the course web site). As there is no lecture component to this course, all students are expected to participate in discussion.

**Selecting readings and preparing discussion:** Students will be asked to lead discussion (as part of a group) on topic(s) to be approved by the instructor. Each group leading discussion will consist of approximately three students, with one student identified as a group leader who will be responsible for meeting with group members outside of class to review the papers and for emailing to the class ([fmriclub@psy.jhu.edu](mailto:fmriclub@psy.jhu.edu)) a list of discussion questions/topics at least 1 day prior to the corresponding class meeting. Where topic papers have not already been identified, group members should try to identify candidate papers from the recent literature; these candidate papers should be sent to Leon for approval at least 2 weeks prior to the corresponding meeting.

For each of the weeks on the chosen topic, the group should plan to present in class a summary of each paper along with discussion questions.

To Summarize:

- (1) As soon as possible in the semester, meet/correspond with your group members to identify candidate papers if needed (typically, 1 background paper and 1 empirical paper will be covered on each topic); submit these to Leon at least 2 weeks prior to corresponding class meeting.
- (2) After papers have been approved, meet with group members to review the papers and compile discussion questions/topics (e.g., questions, criticisms and/or comments about methodology, theory, applicability, findings, etc.) -- group leader must email the list to the class ([fmriclub@psy.jhu.edu](mailto:fmriclub@psy.jhu.edu)) at least 1 day prior to corresponding class meeting.
- (3) In class, provide a summary of that week’s paper(s) and lead discussion using your list of discussion questions as a guide. All members of the group should take an active role in facilitating discussion on their topic.

**Submitting papers:** Presenters should send URLs for papers they plan to cover (following approval) to Adam Greenberg ([agreenb@jhu.edu](mailto:agreenb@jhu.edu)), the seminar’s webmaster. Each URL should be a working link (assuming the user is logged into the Hopkins network, i.e., on campus or remotely) either to a PDF file posted on a journal’s or the library’s web site, or to an online, full-text, html version. *Please do not send documents or files to Adam.* If you have any trouble identifying a valid URL for your paper, please send Leon or Adam the full citation as soon as possible. Also note that we will be happy to post links for “optional reading” if you come across related papers that you think might be of interest.

**Submitting discussion questions:** Discussion questions/topics should be sent in the body text of an email to the seminar’s email address ([fmriclub@psy.jhu.edu](mailto:fmriclub@psy.jhu.edu)); please do not attach any files to the email, so that the email will not be quarantined.

**Grading:** Graduate courses in Arts & Sciences numbered 600-849 are 0 credits for A&E students; other schools independently determine the number of credits earned for this seminar (contact your school's administrator or the Registrar's Office for further details). Grading is Pass/Fail and based upon regular participation in discussion and group presentation.

**Reserve materials:** A book providing an introduction to fMRI and more advanced issues is on reserve for seminar members at the Eisenhower Library: Functional Magnetic Resonance Imaging. Huettel, Scott A. (2004). Call Number: RC386.6.M34 H8

**Meeting schedule (consult web site for updates):**

<b>September 3, 2009</b>	<b>fMRI JC</b>	<b>Organization; Partial-trial design</b>
September 10, 2009	WormSem (NO fMRI JOURNAL CLUB MEETING)	
<b>September 17, 2009</b> <b>neuroscience</b>	<b>fMRI JC</b>	<b>Forward inference using fMRI; Brain localization in social</b>
<b>September 24, 2009</b> <b>assigned)</b>	<b>fMRI JC</b>	<b>Student project presentation (no discussion group</b>
October 1, 2009	WormSem (NO fMRI JOURNAL CLUB MEETING)	
October 8, 2009	WormSem (NO fMRI JOURNAL CLUB MEETING)	
<b>October 15, 2009</b>	<b>fMRI JC</b>	<b>TBD</b>
<b>October 22, 2009</b>	<b>fMRI JC</b>	<b>TBD</b>
October 29, 2009	WormSem (NO fMRI JOURNAL CLUB MEETING)	
November 5, 2009	WormSem (NO fMRI JOURNAL CLUB MEETING)	
<b>November 12, 2009</b>	<b>fMRI JC</b>	<b>TBD</b>
<b>November 19, 2009</b>	<b>fMRI JC</b>	<b>TBD</b>
November 26, 2009	Thanksgiving vacation	
December 3, 2009	WormSem (NO fMRI JOURNAL CLUB MEETING)	