Biophysics 298: MRI Journal Club - Statistics in fMRI
Spring Semester 2008
Fridays 10:45 am - 12:00 pm
Daniel B. Rowe, Ph.D.

I will lecture for the first two classes on distributions, parameter estimation, and hypothesis testing. Every student enrolled in the class for credit must select a paper to present in class. Papers must be selected by the second class session and submitted to me. I will arrange student presentations in a logical order. I have a folder of potential papers. You may select one from my folder or with my approval select another paper. Topics may include statistical experimental design, fMRI time course modeling, fMRI activation level computing, and fMRI activation thresholding.

Grading System: Grades are based upon attendance and participation. Any more than two missed classes will result in your grade bring lowered. i.e. 3 misses = A-, 4 misses = B+, and so on.

January
18 Rowe: Statistics Lecture - Distributions
25 Rowe: Statistics Lecture - MLEs & GLM

February
01 Stengel: Bandettini et al., 1993; Cox et al., 1995.

March
07 Gross: McKeown et al., 1988. Review of PCA vs ICA.
28 Spring Break

April
18 Puckett: Hagler et al., 2006.
25 Nencka: TBA

May
02 Cancelled: ISMRM
09 Cancelled: ISMRM