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.
	08	Pillay: Zarahn, 1997. Review of Block Designs.
	15	Li, R.: Cohen, 1997.
	22	Wagner-Shuman: Dale, 1999.
	29	Zhu: Gossl, 2001. Review of Bayesian Statistics.
March	07	Gross: McKeown et al., 1988. Review of PCA vs ICA.
	14	Liu: Luo & Nichols, 2003. Review of diagnostics.
	21	Gaggl: Bullmore et al., 2001. Review of resampling.
	28	Spring Break
April	04	Hahn: Rowe & Logan 2004, 2005.
	11	Pawela: Nencka, 2007. Review of Menon, 2002.
	18	Puckett: Hagler et al., 2006.
	25	Nencka: TBA
May	02	Cancelled: ISMRM
	09	Cancelled: ISMRM
	16	Li, W.: Buchel & Friston, 1997. Review of SEM.