Functional Neuroanatomy Psychiatry 292  2015  Thursdays 9-10:30

Instructor: Susan Bookheimer  sbook@g.ucla.edu  Office NRB 260M

Location: 13-105 CHS. 13-105 is very close to the medical school library in CHS, in the corridor facing Charles Young Drive.

Course Description: This course focuses on functional systems in cortical and subcortical regions; students will learn to identify major gyri and sulci and their corresponding Brodmann’s area, the functions they subserve, and how the structures integrate into major cognitive systems. There is a strong emphasis on integrating anatomy with neuropsychological syndromes as well as functional neuroimaging findings. The class assumes you have taken a basic course in neuroanatomy.

Who should attend:
Mandatory for Neuropsychology post doctoral fellows
Open to Radiology Residents and fellows, neuropsych interns, graduate students for credit, and others with permission of the instructor.
Radiologists will NOT want to come to the first day of class- this will be a basic review
PTE numbers will be given on the first day of class

Class website:
http://ccn.ucla.edu/BMCweb/BMC_BIOS/SusanBookheimer/Psych292.php

Text: any neuroanatomy atlas, pref. Mai, or online atlas
Online interactive syllabus text:  http://da.biostr.washington.edu/da.html
Click on first image, then interactive neuro syllabus button

9/24 Overview of sulci and gyri, subcortical structures
    web review: digital anatomist MRI axial sections
    homework: label gyri and sulci on a new brain
10/1  SB Visual system , object recognition, parietal lobe function; neglect syndromes
    web review: digital anatomist chapter 8
    Homework: label functional zones in ventral and dorsal streams
10/8 auditory systems and language 1
10/15 language II, reading and language disorders
    reading: Bookheimer Annual reviews
10/22  Dr. Bilder- frontal lobe systems and disorders
10/30 Motor systems, movement and disorders: Nancy Sicotte
11/5  Subcortical anatomy 1: BG, thalamus, limbic system, amygdala
11/12 memory anatomy
11/19 Memory 2; emotional syndromes
11/26 Thanksgiving
12/3 Social Cognition; take-home final
12/10 final review, open discussion