List of Terms: Methods

Measuring Electrical Activity
-Single cell recordings: definition, what is recorded

-Stereotaxic Surgery

-EEG: definition, what is recorded

-ERP: definition, what is recorded

-Advantages and disadvantages of ERP/EEG vs. single cell recording

Imaging Techniques

Structural Imaging
-CT scans: definition, what they measure

MRI Scans: definition, what they measure
Comparisons of CT to MRI: pros & cons of each

Functional Imaging
-PET: definition, what it measures

-fMRI: definition, what it measures; BOLD response

-what does brain “activity” mean

-Problems with imaging designs

Experimental Manipulations of Brain Activity
-Lesions/inactivation

-Transcranial Magnetic Stimulation (TMS)

-Intracranial brain stimulation

-Optogenetics