Synaptic Physiology: Memory and Addiction
Fall 2020; PDBio 550R, Section 6, 2\textsuperscript{nd} Block, 2 credits
M,W; 2:00-3:50 PM, 2018 LSB

The course will discuss:

- The brain regions and mechanisms mediating memory (hippocampus) and reward/addiction (ventral tegmental area).
- Diseases such as Alzheimer’s, etc. & various drugs of abuse.
- Synaptic Physiology- how the brain is modified in response to experience.
- Novel techniques to examine brain function and behavior (i.e. optogenetics).

PDBio 550R counts towards PDBio graduation credit (undergrads and grads welcome).

Class is 1 credit ‘lecture’ (M), and 1 credit ‘application’ (W; journal club, lab-based).

-Email Dr. Jeff Edwards with questions (Jeffrey_Edwards@byu.edu)