

Synaptic plasticity in rodent
hippocampal slices.

Questions we ask ourselves when reading a paper

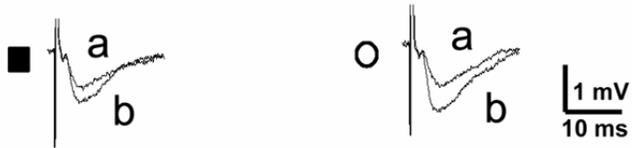
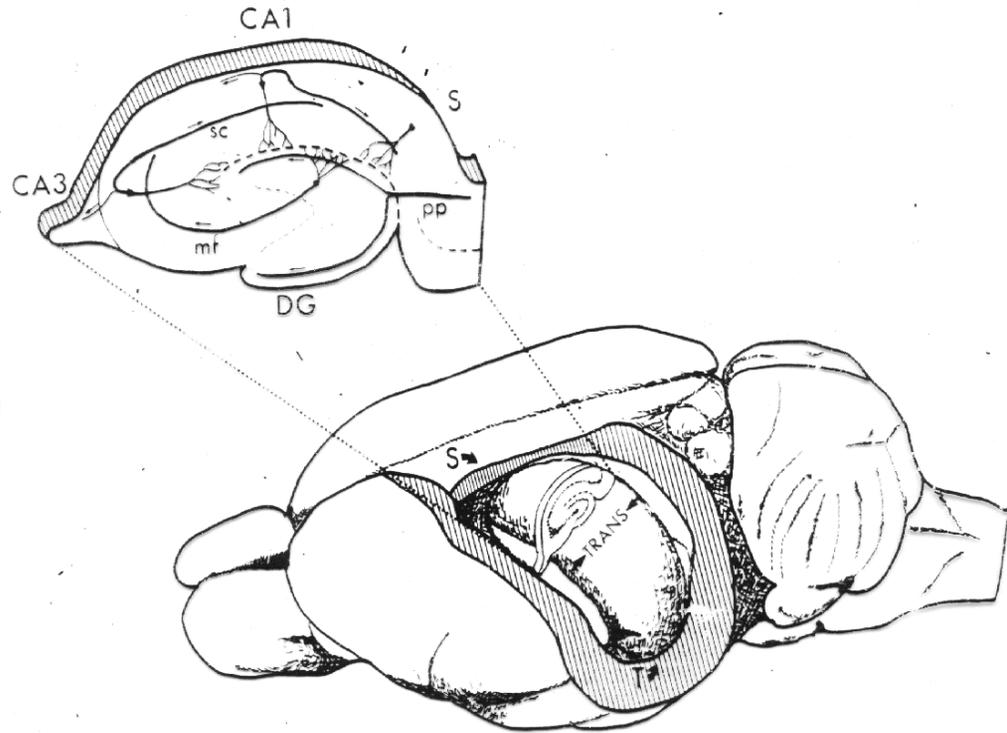
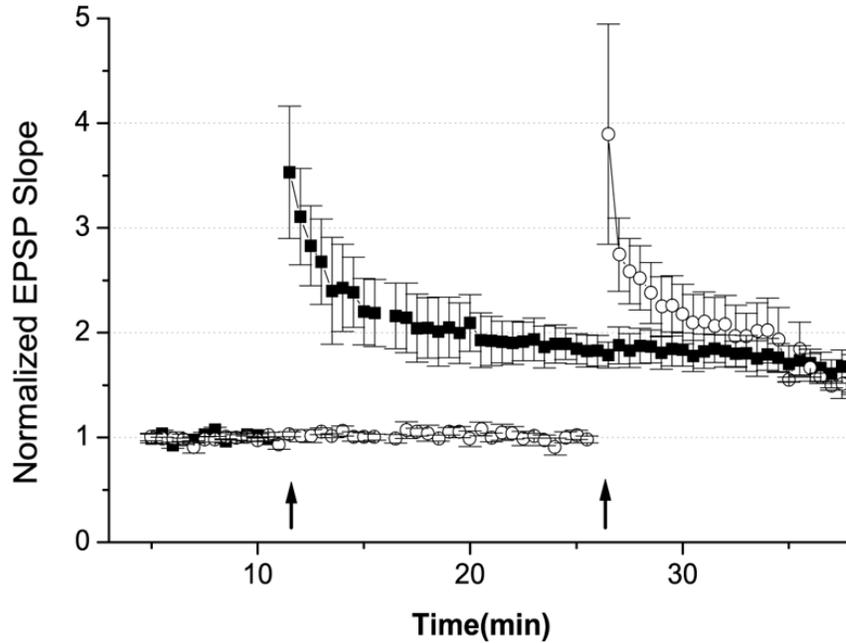
- What was the question?
- How did the authors try to answer it?
- Did they succeed in answering it?
(necessary and sufficient).
- What are the implications of this work?

Today's papers

- Please submit assignments by Monday morning for full course credit.

LTP in hippocampal slices

Associative and input specific



LTP mechanics I

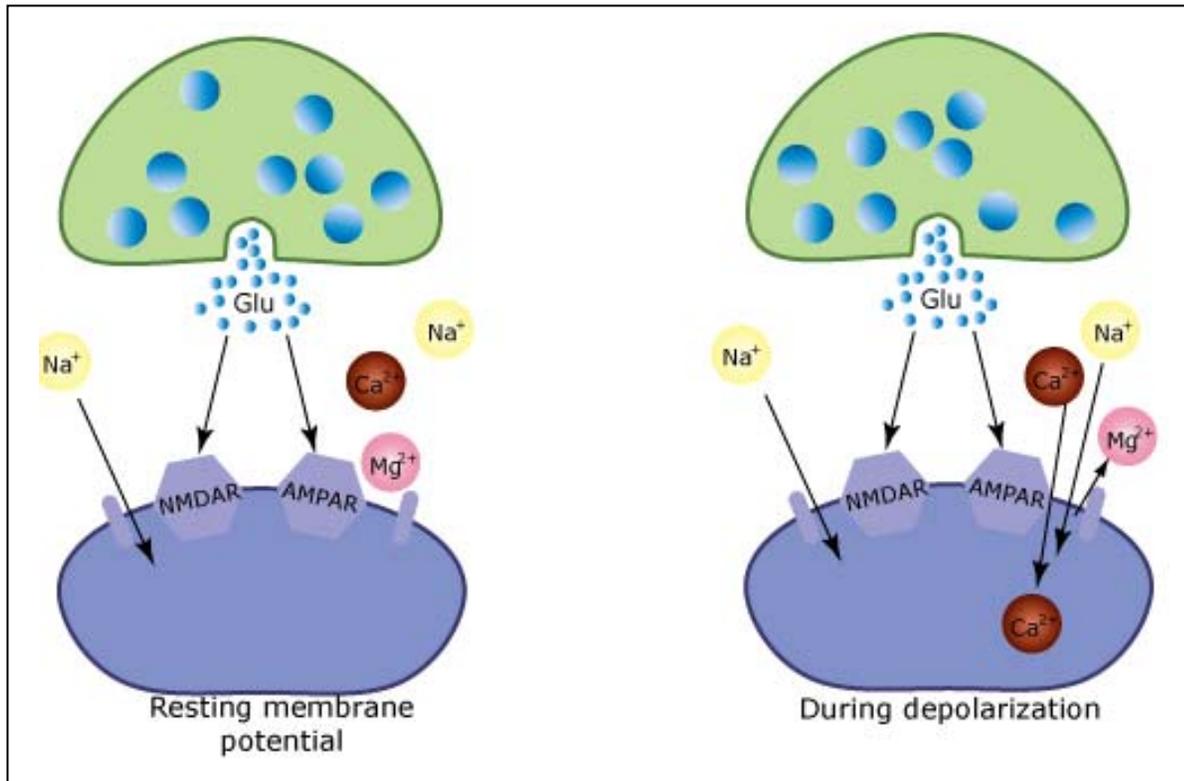


Figure by MIT OpenCourseWare

LTP mechanics II

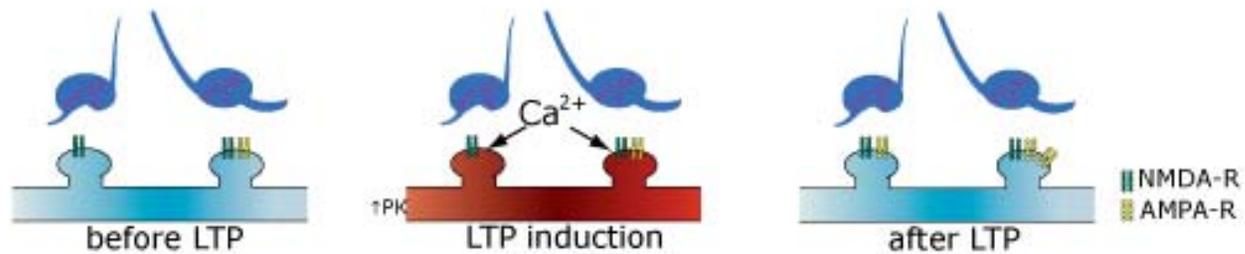
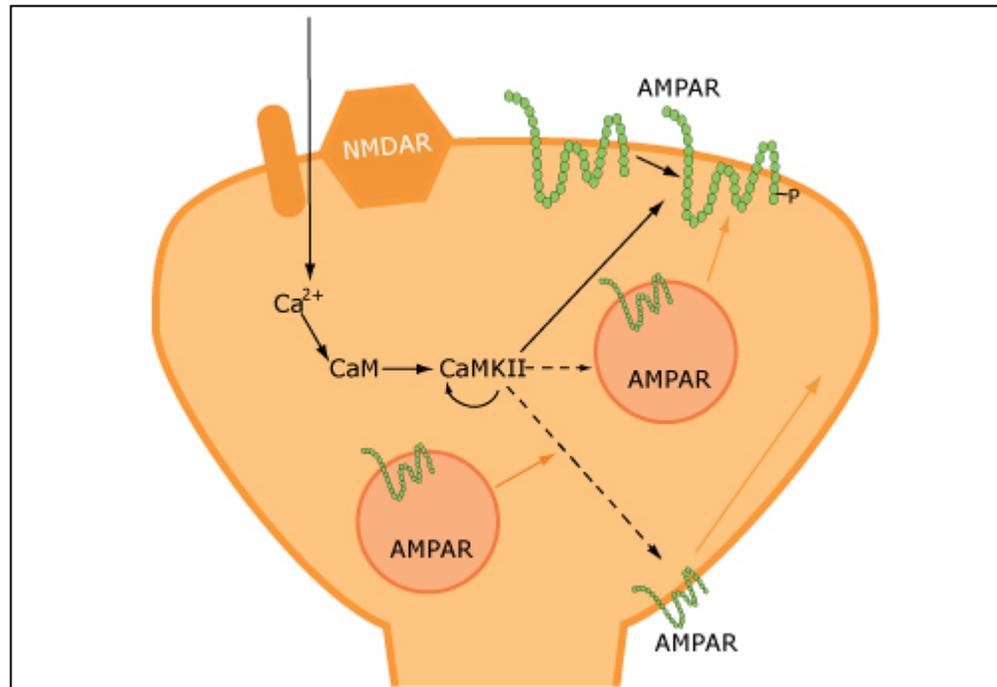


Figure by MIT OpenCourseWare

Intracellular recording

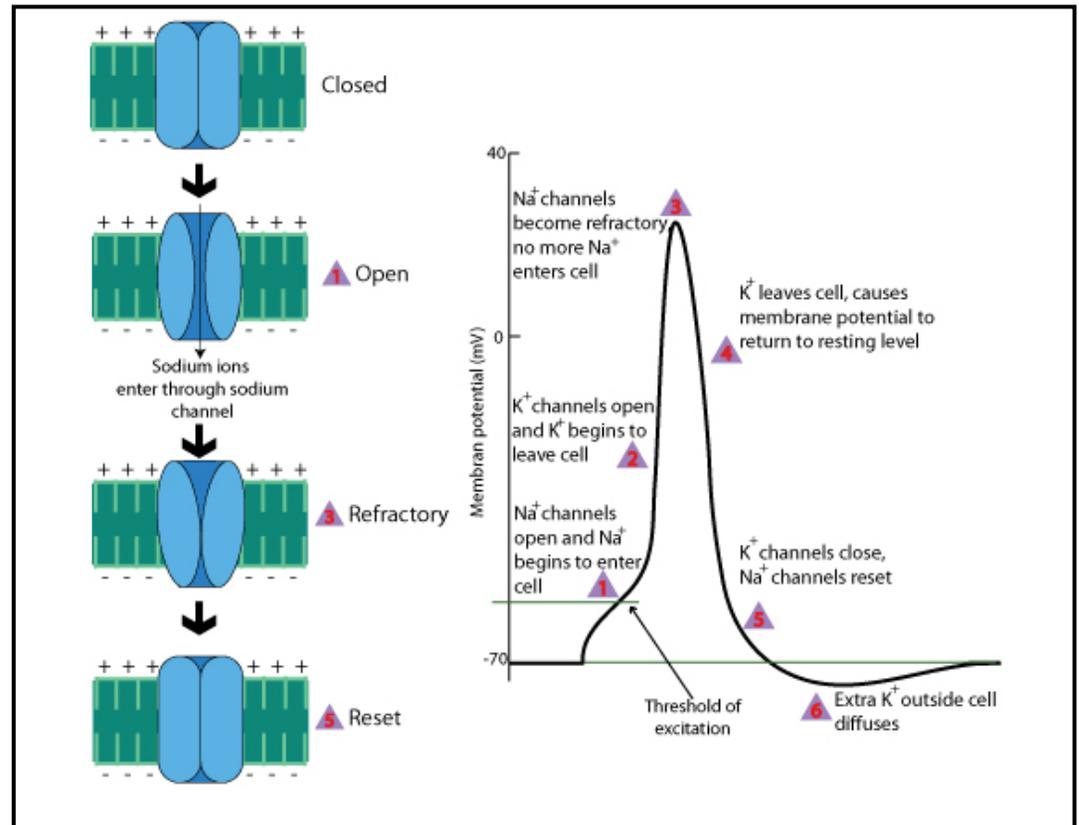
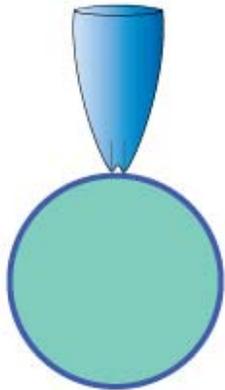


Figure by MIT OpenCourseWare

Rectification index

GFP

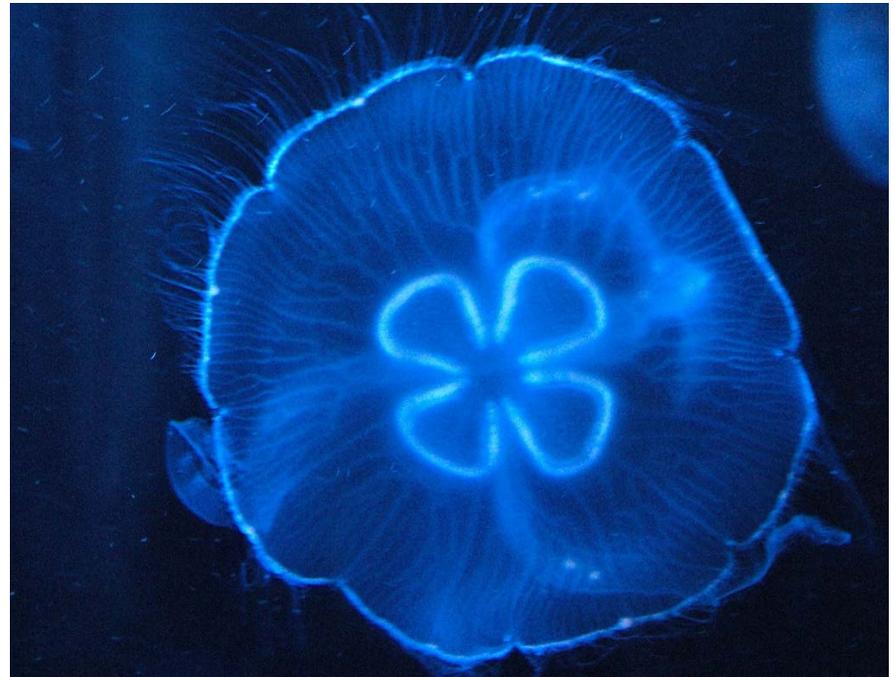
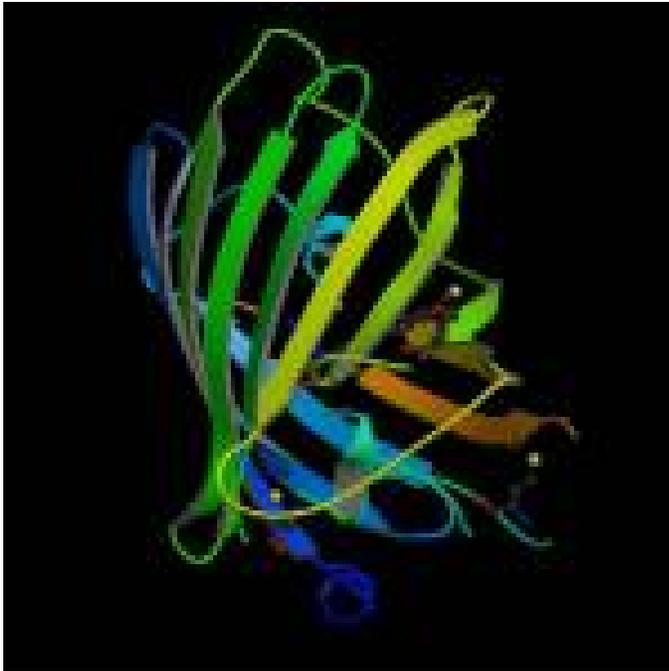


Photo courtesy of 'andy.d' - http://flickr.com/people/andy_d/

Next week's papers

- Short format – look for methods in the end.
- Questions:
- Coan et al. – What is the difference between the circles and the squares in figure 2?
- Hayashi et al. – What is a PDZ domain?