

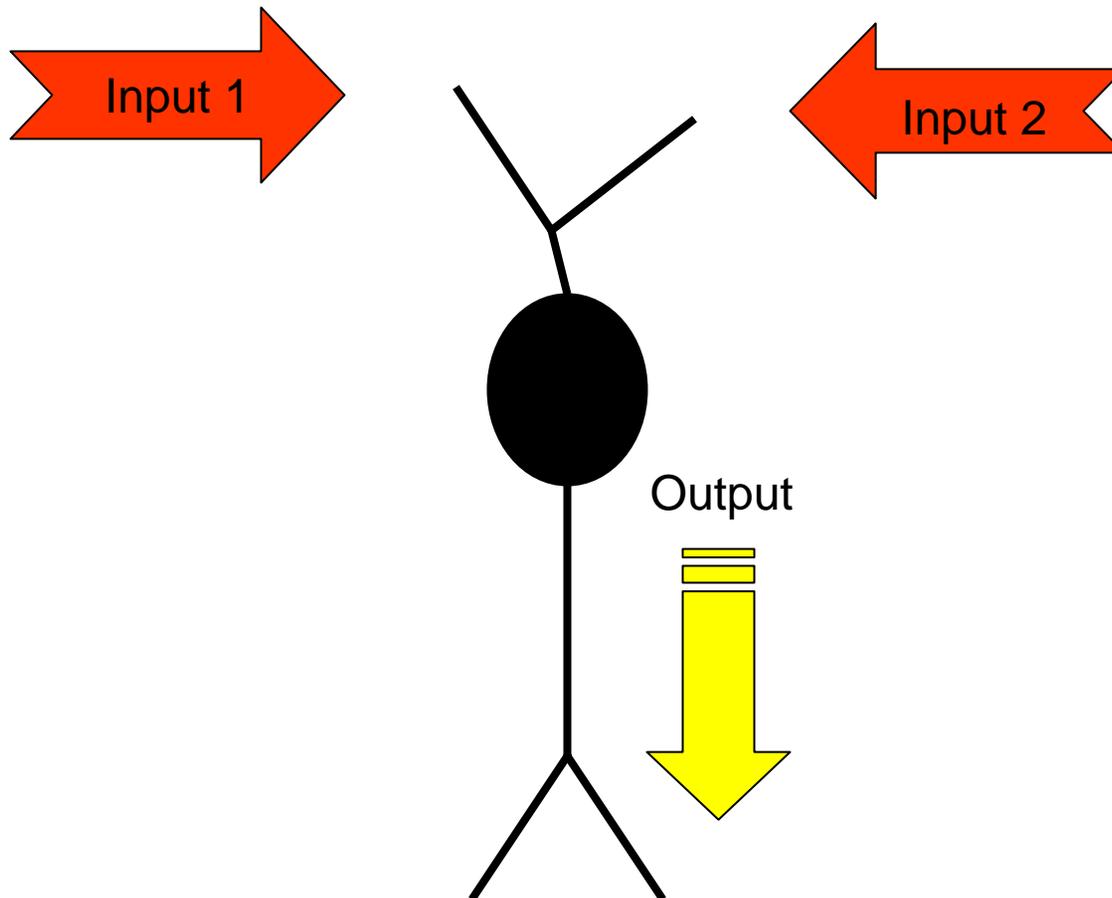
Hippocampal representation of space in contextual fear conditioning

Today's papers

Next week – back to LTP

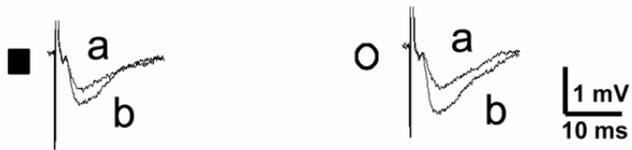
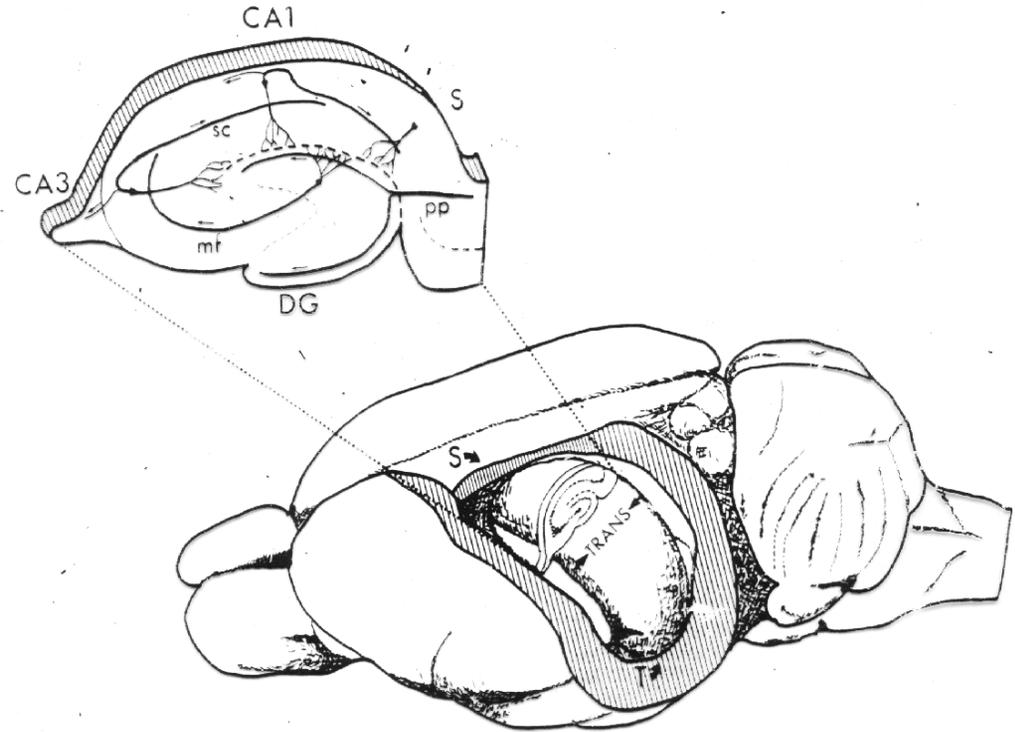
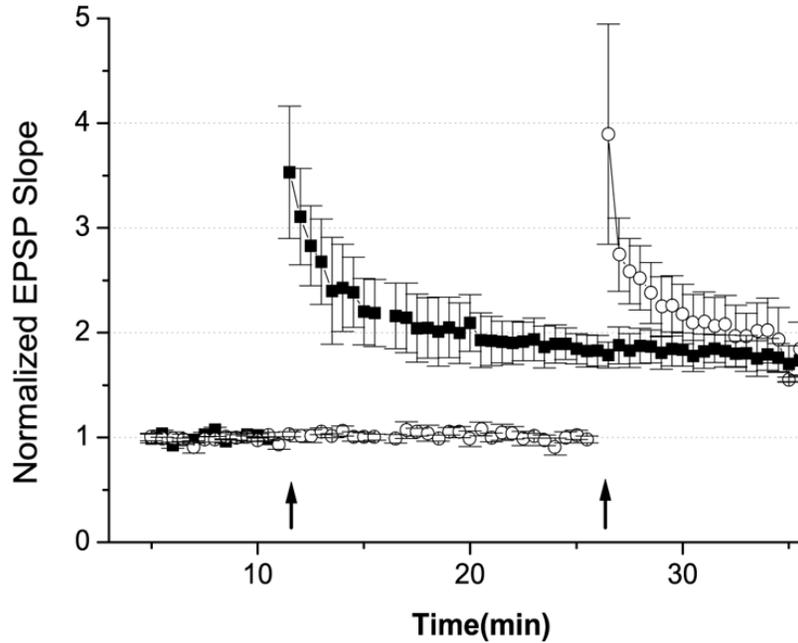
- Overview of what we know
- L-LTP, L-LTD
- ‘Tagging’
- Cross tagging.

Neuronal plasticity



LTP in hippocampal slices

Associative and input specific



LTP mechanics I

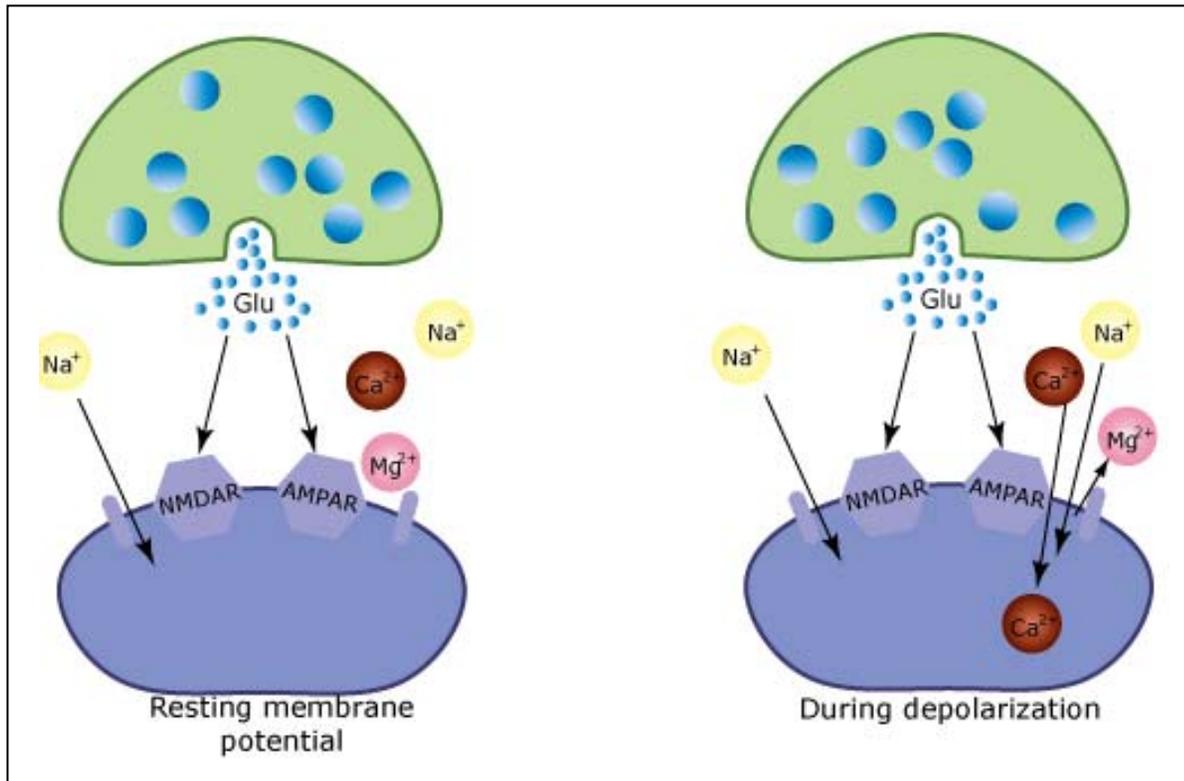


Figure by MIT OpenCourseWare

LTP mechanics II

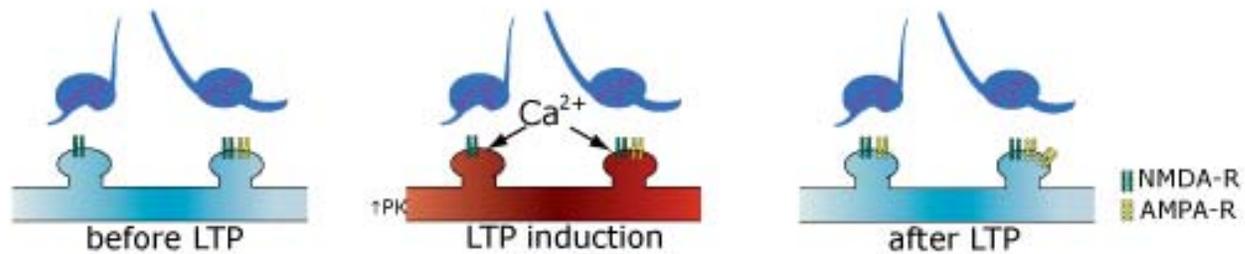
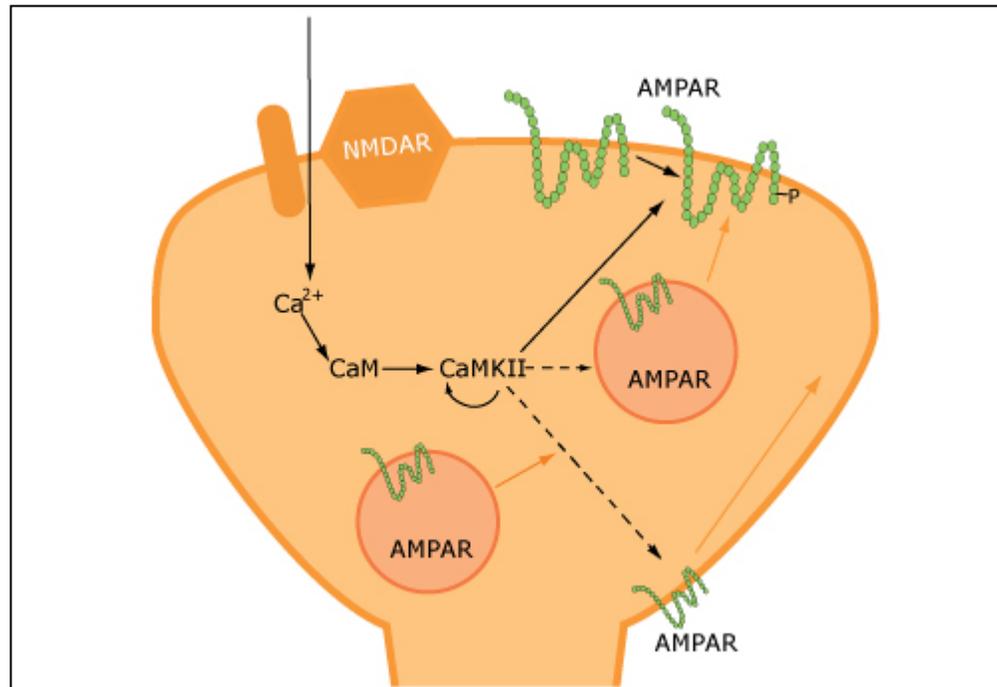
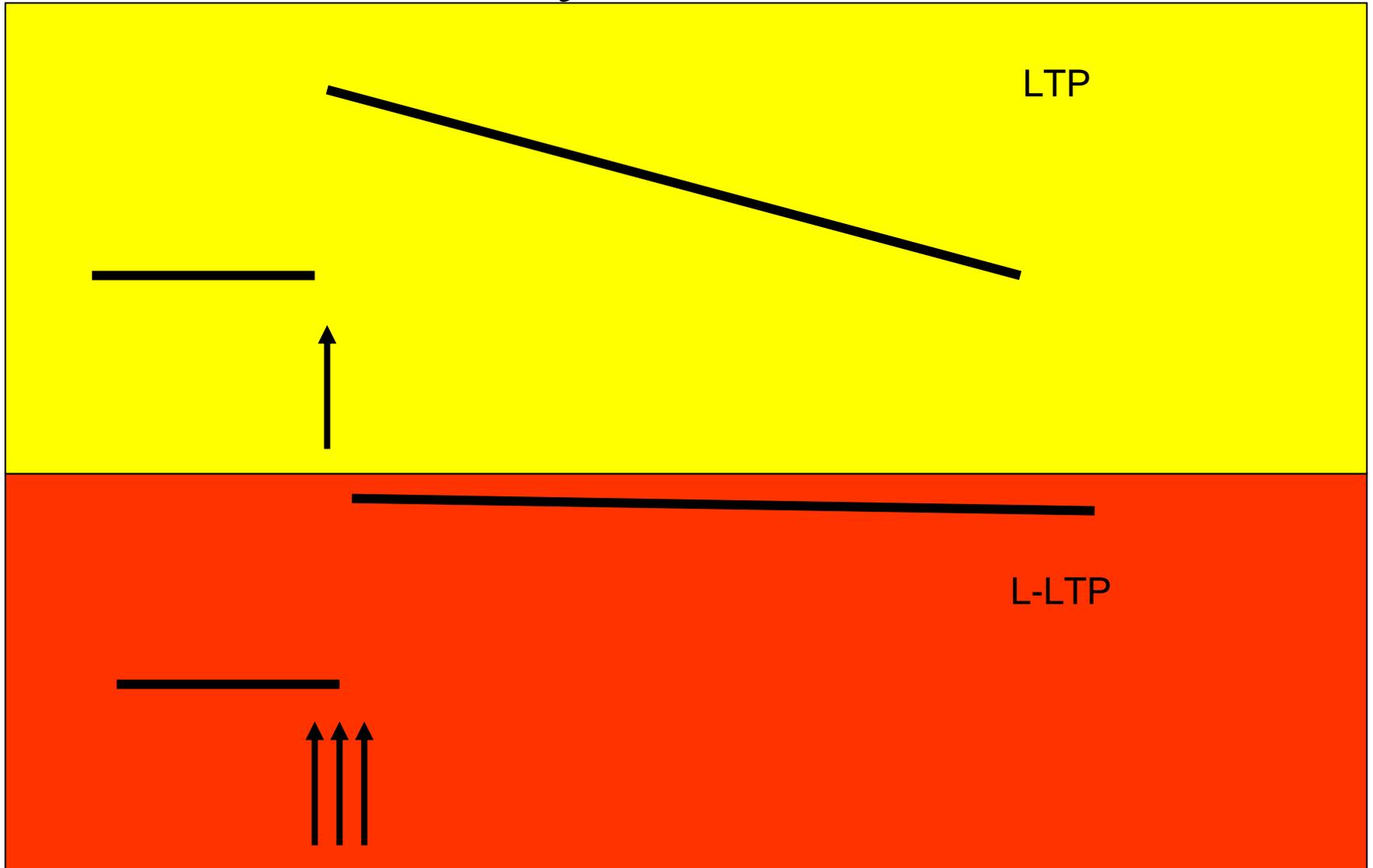
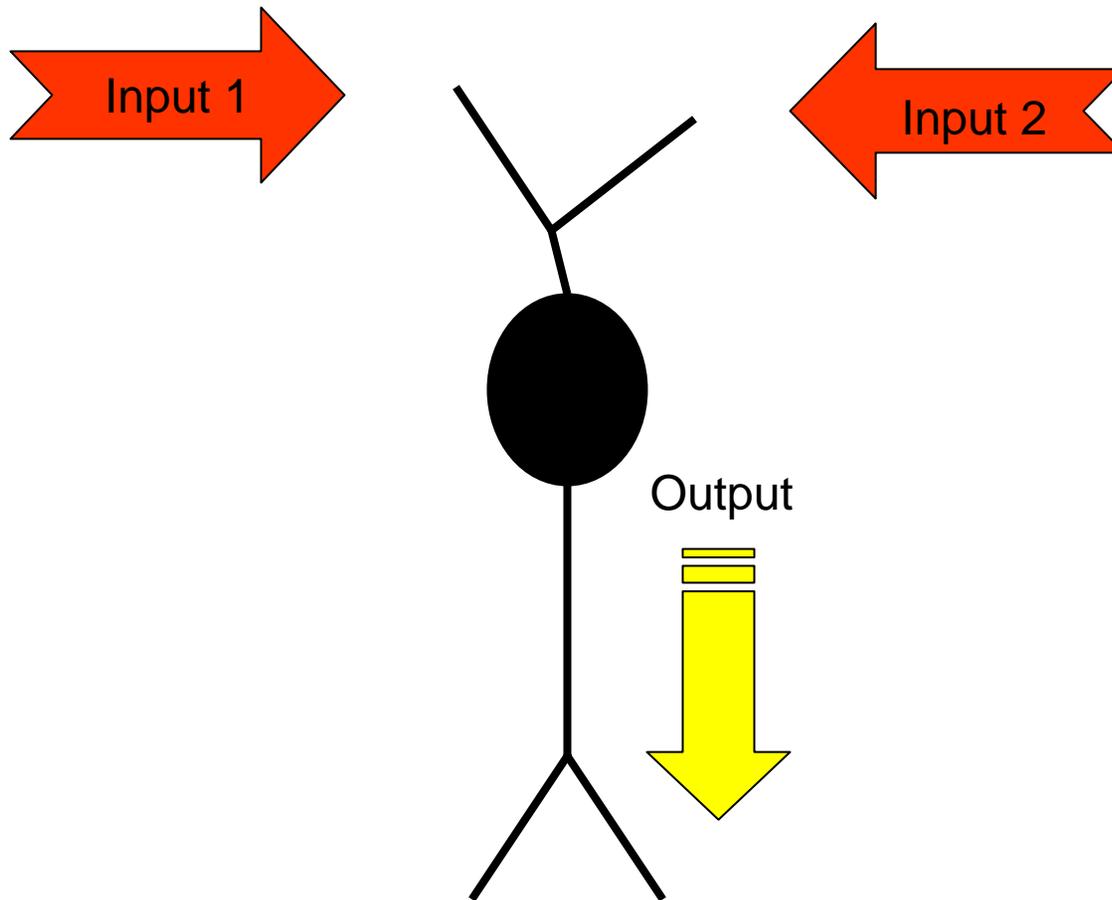


Figure by MIT OpenCourseWare

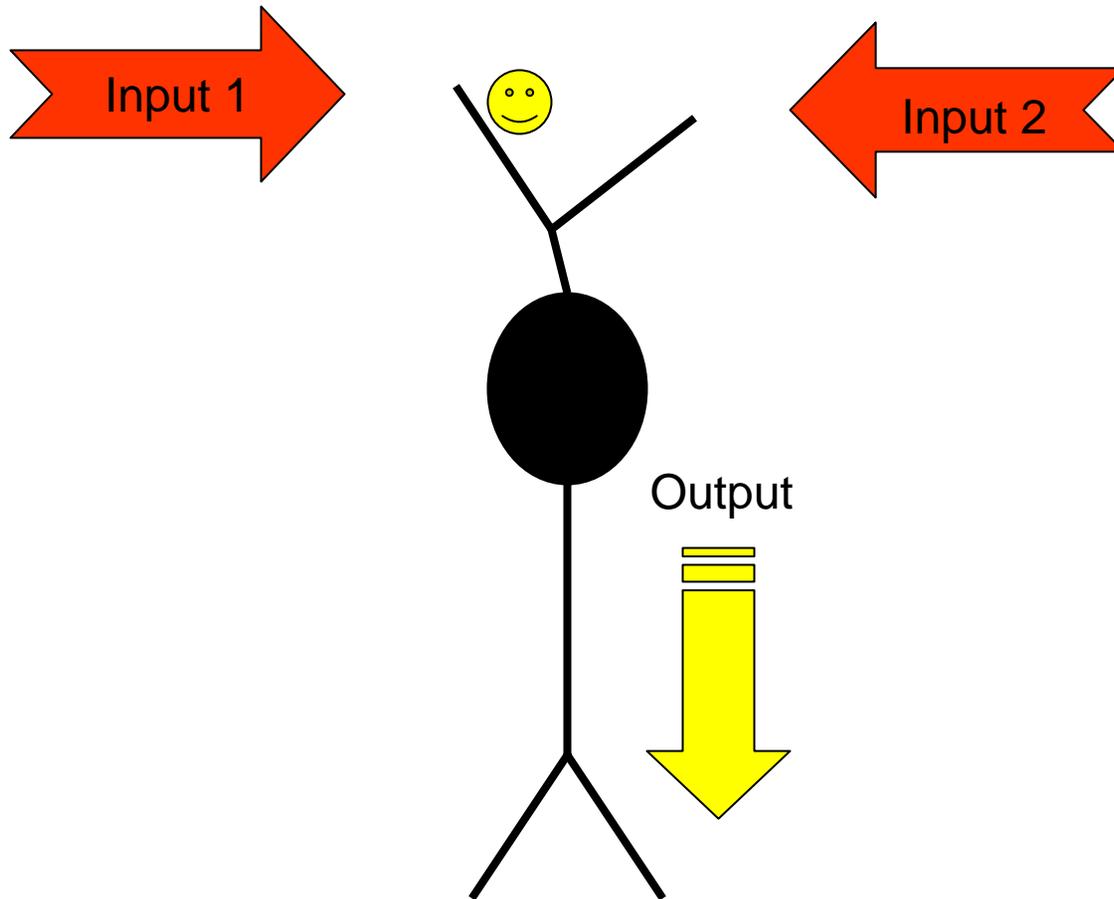
L-LTP and L-LTD require protein synthesis



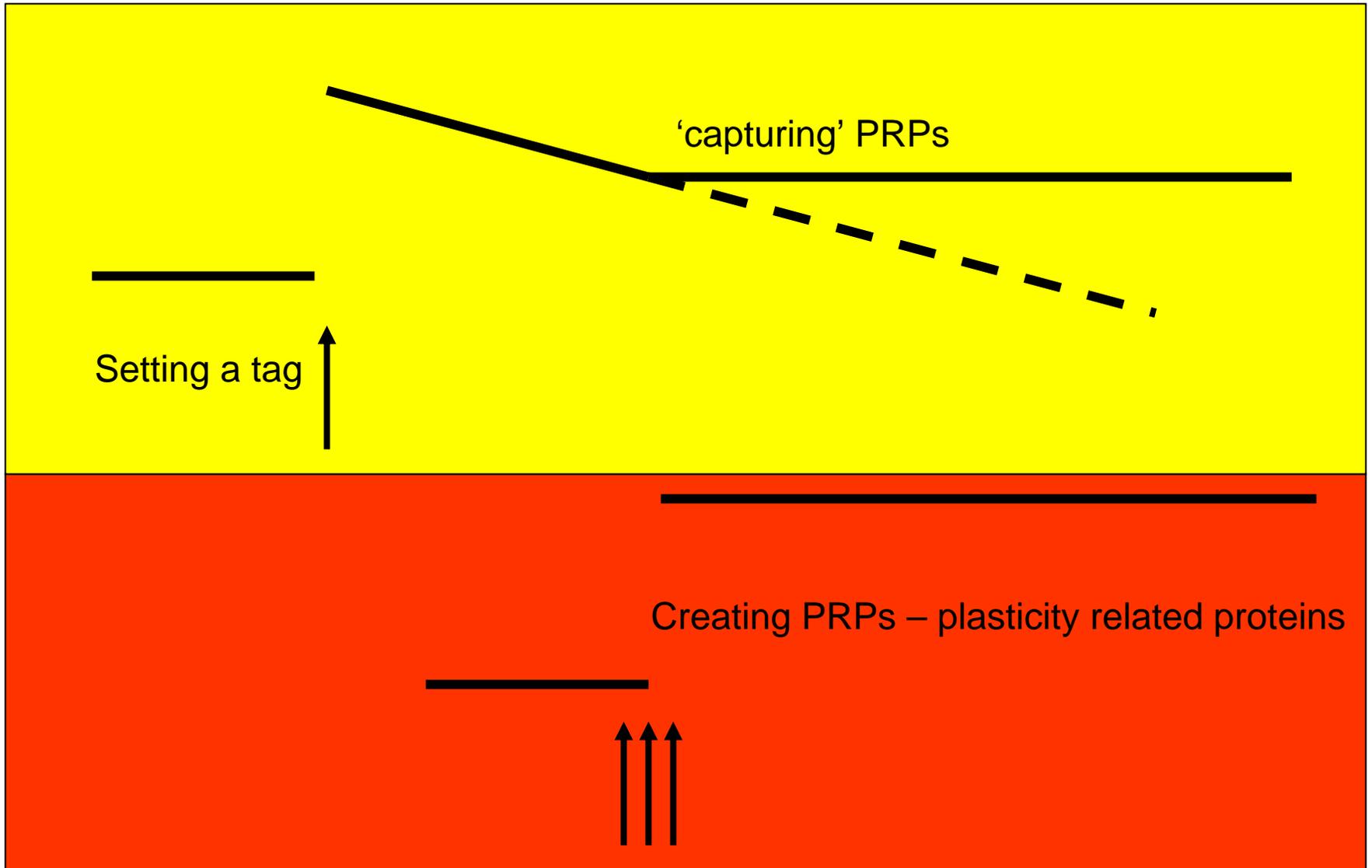
How do the proteins know where to go?



Tagging



Cross tagging



Last big assignment

- Will be about tagging.
- Will be described next week.

Next week's questions

- Sajikumar et al. – How would you test if a compound inhibits LTP induction or maintenance?
- Kauderer and Kandel – What stimulation protocol is sufficient for setting an LTD 'Tag'?