

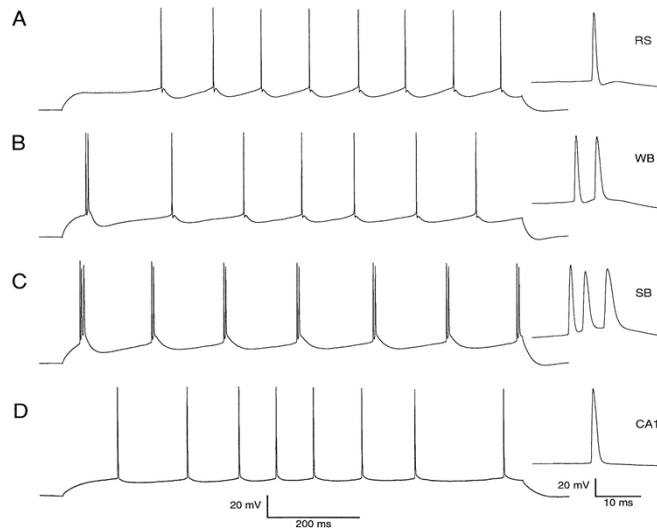
BIOL3833

Week 5: The Action Potential – Part 1

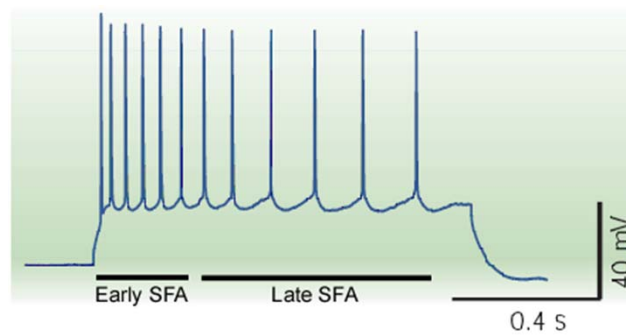
Action potentials carry information in the nervous system:

- Rate
- Pattern
- Waveform

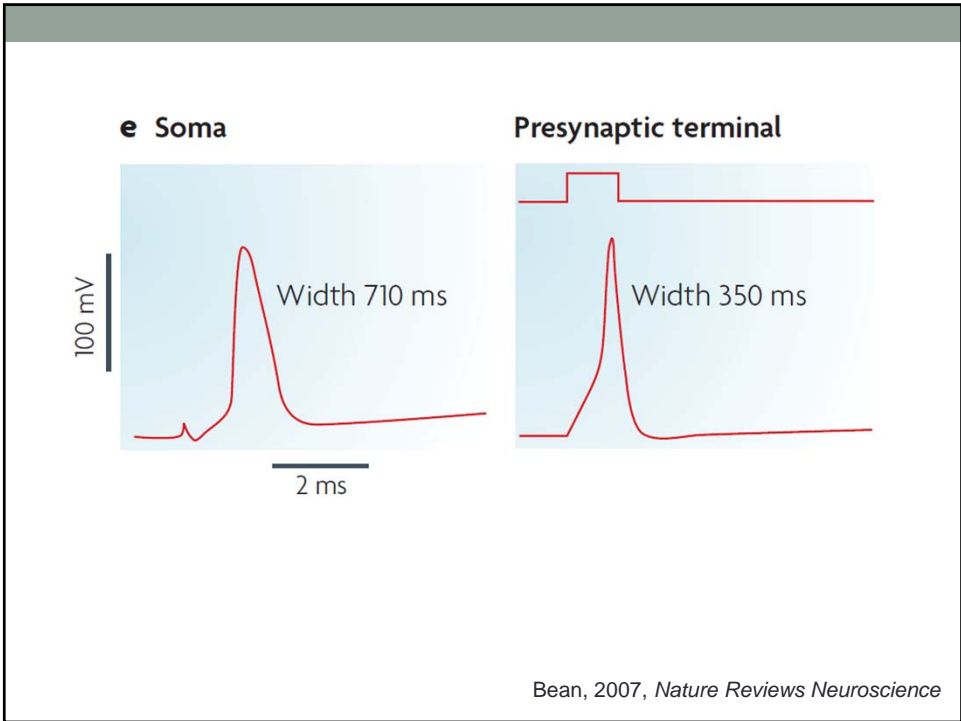
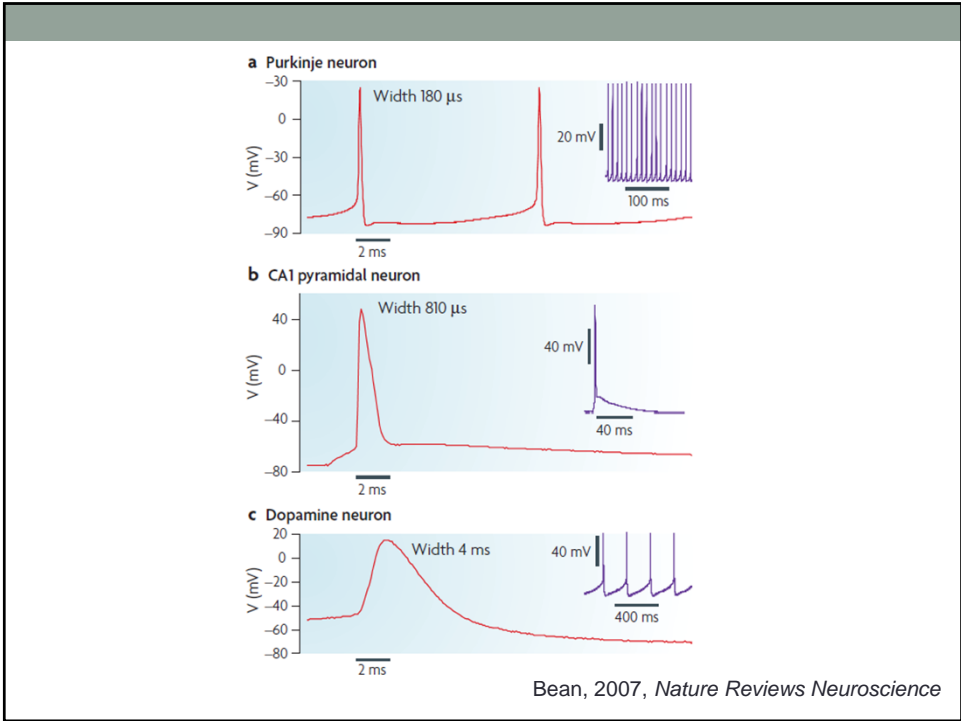
Action potentials carry information in the nervous system:

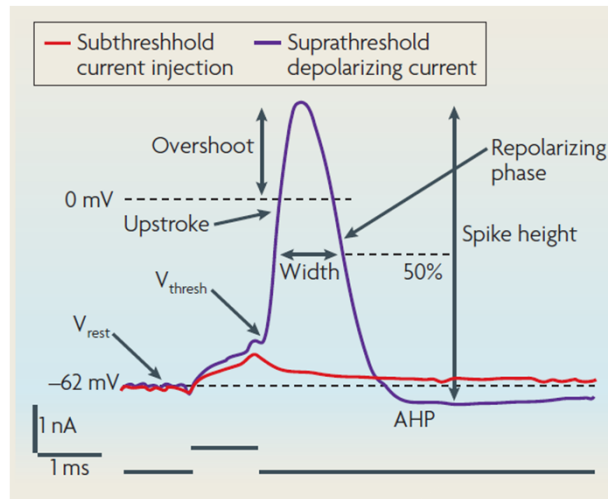


Action potentials carry information in the nervous system:



You will build cells that do this





Bean, 2007, *Nature Reviews Neuroscience*

Today we are interested in:

- What is threshold?
- What causes AHP?
- How is AP width controlled?

Right now: All we have is a cell
that doesn't encode much of
anything