

Cellular neuroscience I

PSY 511.003

2025-01-30

Prelude

<http://www.gregadunn.com/>

<https://www.youtube.com/embed/nvXuq9jRWKE>

Announcements

- [Exercise 03](#) distributed.
 - due next in two weeks on Wednesday, February 7

Last time...

- Neuroanatomy
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Where is the cerebellum found?

In what lobe would one find primary somatosensory cortex?

What structure in the diencephalon controls the endocrine system and both branches of the autonomic nervous system?

Today's topics

- [Cellular neuroscience](#)
 - Neurons
 - Glia
- [Resting potential](#)

Break

Work on Exercise 03

- Visit [Exercise 03](#)

Main points

- Cells of nervous system specialized
- Convey, process, store information
- Nervous systems enable complex external (behavior) and internal states
- Complex behavior/internal states not reducible to, but inseparable from nervous system states
- Electrical + chemical information flows

Next time...

- [The action potential](#)

Resources

References