

exam-2-study-guide

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Announcements

- Exam 2 on Wednesday, March 1

Today's topics

- Exam 2 review

Sex, sleep, homeostasis

- Biological rhythms
- Sleep stages
- Brain structures in circadian rhythms
- Sex in humans vs. other animals
- Sex differences in male vs. female brains

Synaptic transmission

- Steps in. Summary Figure
- Ionotropic and metabotropic receptors
- Mechanisms of NT inactivation

Hormones and their function

- Released where in CNS?
- Direct vs. indirect release
- HPA, SAM axes figure.
- Hormones vs. neurotransmitters
- Milk let-down reflex and oxytocin

Neurotransmitters

- Amino acids
- Acetylcholine (ACh)
- Monoamines

Potentials

- Resting
- Action
- Postsynaptic

Cells of the nervous system

- Glia
- Neurons

Neuroscience methods

- Structural vs. functional

Brain anatomy

- Cortical landmarks
- Organization of the brain
- Autonomic nervous system