Neuroscience – Khoa Hoc Thần Kinh

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Tóm tắt nội dung

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• Neuroscience - Khoa Học Thần Kinh.

PDF: URL: https://github.com/NQBH/advanced_STEM_beyond/blob/main/neuroscience/NQBH_neuroscience.pdf. TEX: URL: https://github.com/NQBH/advanced_STEM_beyond/blob/main/neuroscience/NQBH_neuroscience.tex.

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1 Wikipedia/Neuroscience

"Neuroscience is the scientific study of the nervous system (the brain, spinal cord, & peripheral nervous system), its functions, & its disorders. It is a multidisciplinary science that combines physiology, anatomy, molecular biology, developmental biology, cytology, psychology, physics, computer science, chemistry, medicine, statistics, & mathematical modeling to understand the fundamental & emergent properties of neurons, glia, & neural circuits. The understanding of the biological basis of learning, memory, behavior, perception, & consciousness has been described by Eric Kandel as the "epic challenge" of the biological sciences.

The scope of neuroscience has broadened over time to include different approaches used to study the nervous system at different scales. The techniques used by neuroscientists have expanded enormously, from molecular & cellular studies of individual neurons to imaging of sensory, motor, & cognitive tasks in the brain.

1.1 History

See Wikipedia/history of neuroscience.

1.2 Modern neuroscience

See Wikipedia/outline of neuroscience.

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