

What is (computational) neuroscience?

John Rinzel (NYU), Kiev, 2011

Neuroscience is the scientific study of the nervous system. It is an interdisciplinary science that involves biology, chemistry, computer science, engineering, linguistics, mathematics, medicine, physics, psychology and even philosophy.

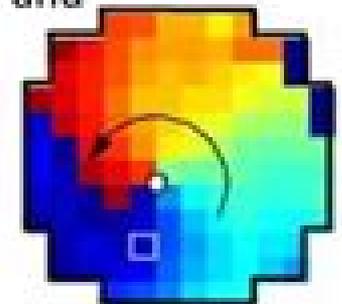
Different approaches are used to study the molecular, cellular, developmental, structural, functional, evolutionary, computational, and medical aspects of the nervous system.



Golgi – staining
Ramon y Cajal -- anatomy
Nobel Prize:



Selverston lab, 1960s
Neural circuit for chewing
In lobster.



Wu lab, 2004
Spiral waves in cortex (diam: 3-4 mm)



fMRI, 1990s
BOLD signal . brain areas

Introduction To Computational Neuroscience

AN Whitehead



Introduction To Computational Neuroscience:

Enjoying the Beat of Appearance: An Emotional Symphony within **Introduction To Computational Neuroscience**

In a world used by displays and the ceaseless chatter of instant communication, the melodic splendor and psychological symphony developed by the prepared term usually disappear into the back ground, eclipsed by the relentless sound and distractions that permeate our lives. Nevertheless, nestled within the pages of **Introduction To Computational Neuroscience** an enchanting fictional treasure overflowing with natural emotions, lies an immersive symphony waiting to be embraced. Crafted by an elegant musician of language, that captivating masterpiece conducts visitors on an emotional journey, well unraveling the hidden tunes and profound impact resonating within each carefully crafted phrase. Within the depths of the emotional evaluation, we can examine the book is main harmonies, analyze its enthralling publishing model, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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