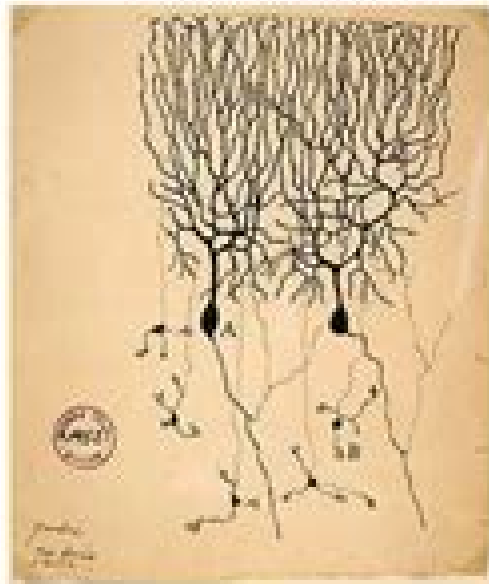


# What is (computational) neuroscience?

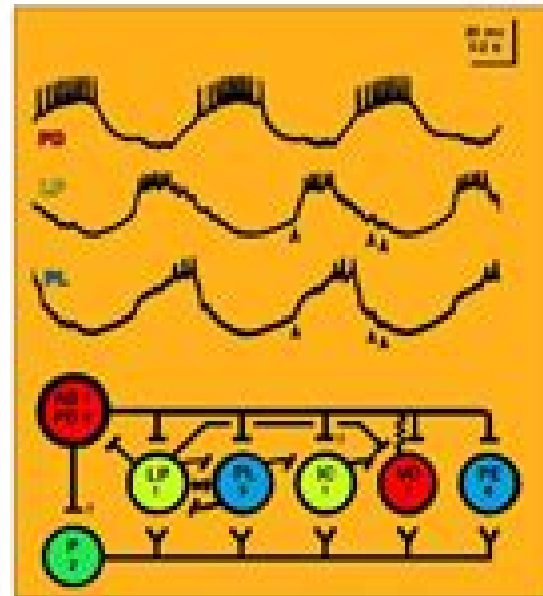
John Rinzel (NYU), Kiev, 2011

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.

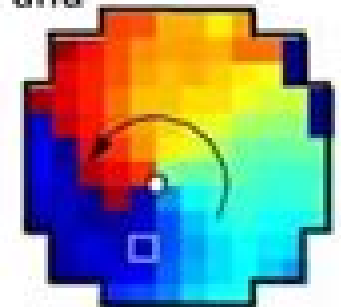
Different approaches are used to study the molecular, cellular, developmental, structural, functional, evolutionary, computational, and medical aspects of the nervous system.



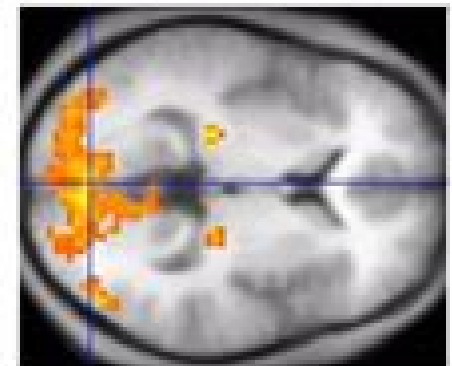
Golgi – staining  
Ramon y Cajal -- anatomy  
Nobel Prize:



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

**Paul Miller**



## **Introduction To Computational Neuroscience:**

## **Introduction To Computational Neuroscience** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Introduction To Computational Neuroscience**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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