

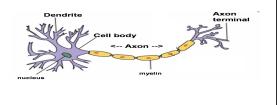
Functions of the Nervous System

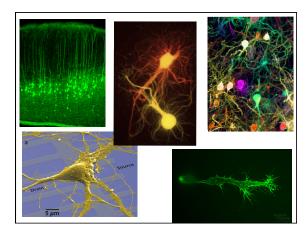
- Main Job: Communication and coordination
 - Adapt and respond to changes from both inside and outside the body
- Parts: Two main divisions
 - 1.Central nervous system (CNS): brain and spinal cord
- 2.Peripheral nervous system (PNS)- the nerves

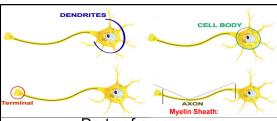


Neuron

- Basic structural unit of the nervous system
- · Passes signals throughout the body







Parts of a neuron

Cell body- contains the nucleus and other organelles Dendrites- transmit electrical impulses TO the cell body Axon- transmits impulse AWAY from the cell body axons can be several feet long

Myelin Sheath: Protects and insulates the axon so the nerve signal doesn't escape!

