The Brain

Complexity
Interconnectivity

Anatomy and Functional Areas of the Brain

Neurons are:
- always on
- never fire alone
- develop into action maps called schemas
- the more they are activated, the stronger they will fire

Glia
White Matter

White matter has 4 major functions
- Close up the brain
- Provide immunity functions
- Myelination - grow in response to repetition and challenge (support for neurons)
- Glia cells are in response to exercise
Neurons that fire together, wire together.

Sensori-motor Integration

Sensory and motor maps become intricately interrelated

Influences future experiences

Held & Hein

Active exploration of the environment allowed kittens to acquire well-developed and integrated sensorimotor capacity

References