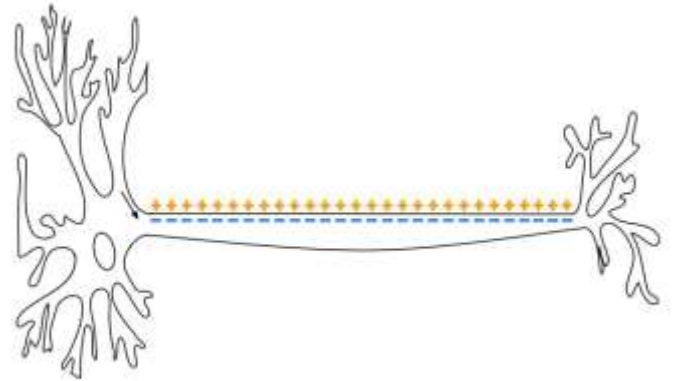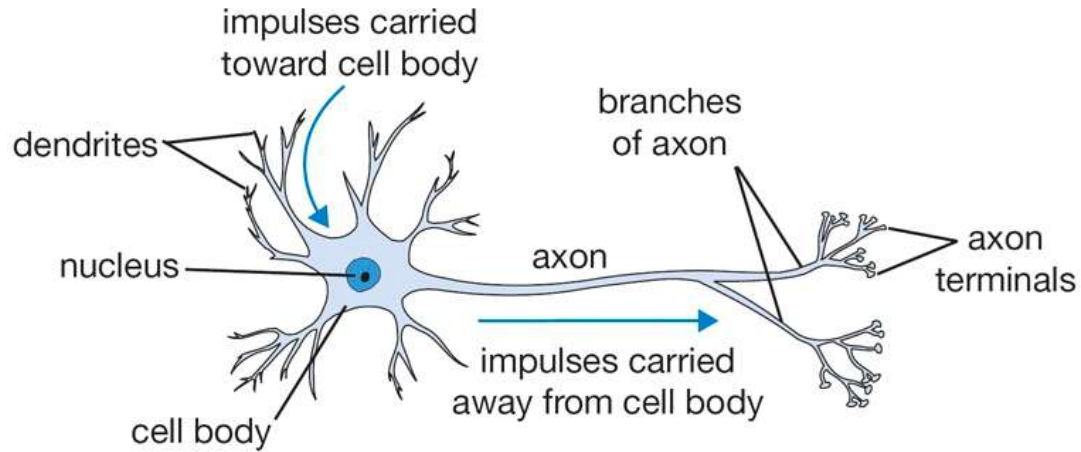# Neuroscience Basis

Neuron Schematic

Connectionism Theory

- Learning occurs through changes in the connections between neurons
- Complex behaviors emerge from the interactions between massive numbers of highly interconnected neurons
- Influence on some components of deep learning architectures / algorithms
- Many unknowns / significant gaps remain (for both living and artificial brains)

Influence on Deep Learning