

**Osher Lifelong Learning Institute
Lafayette-Fall, 2018**

Our Brains: Molecules to Memory: Part I

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Topics to be presented:

Session one:

Development and Organization of the Brain
Nerve cells and Synapses: normal functions and the drugs and diseases that affect them

Session two:

How do we move?
Injuries and diseases that impede movement
Parkinson's Disease

Session three:

Blood supply of the brain
Stroke and its consequences

Session four:

Hearing and Deafness
Language acquisition and loss

Session five:

Neurogenetics
Genetic Disorders of the Nervous System
Gene Editing-CRISPR

Session six:

Mechanisms of Learning and memory

July 5, 2018