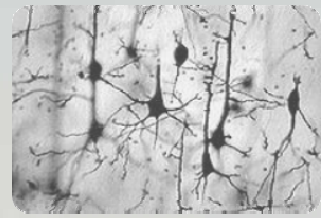




Miami University Neuroscience Day



Ohio Miami Valley Chapter Society for Neuroscience

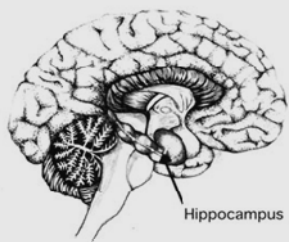
Presentation by Visiting Neuroscientist

Carol A. Barnes, Ph.D.

Regents' Professor of Psychology and Neurology
Evelyn F. McKnight Brain Institute Research Scientist
University of Arizona

Cognitive Changes in Aging: Neural Correlates in Rats and Monkeys

**11:00am June 5, 2009
125 Psychology Building**



The central goal of **Dr. Barnes'** research and teaching program is the question of how the brain changes during the aging process and the functional consequences of these changes on information processing and memory in the elderly. The main research program involves studies of behavior and neurophysiology in young and old laboratory animals. This work provides a basis for understanding the basic mechanisms of normal aging in the brain and sets a background against which it is possible to assess the effects of pathological

changes such as Alzheimer's disease. Some of her current work also includes an assessment of therapeutic agents that may be promising in the alleviation or delay of neural and cognitive changes that occur with age. She teaches a full semester course in the biological, psychological, and sociological aspects of aging with joint appointments in the Department of Neurology and the Neuroscience Program.

