

RUTGERS UNIVERSITY
DEPARTMENT OF STATISTICS AND BIostatISTICS
HILL CENTER #501, BUSCH CAMPUS, PISCATAWAY

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Seminar

Speaker: Qing X. Yang, Professor of Radiology and Neurosurgery, Penn State College of Medicine

Title: Olfactory fMRI and its Deficits in Alzheimer's Disease

Date: Wednesday October 14, 2009

Time: 3:20 PM

Place: 552 Hill Center

Abstract

Olfactory deficits have been observed in early Alzheimer's Disease (AD) with behavioral studies. This research is to investigate its neuropathological basis with olfactory fMRI and volumetric MRI. The goal is to examine the relationship of fMRI and brain atrophy. However, perform olfactory fMRI is challenging because its activation behavior is non-linear and modulate with emotions and other cognitive activities. New data analysis method and hemodynamic response function need to be developed.