

Name: Richard L. Doty, Ph.D., Smell & Taste Center & Department of Otorhinolaryngology: Head and Neck Surgery

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Specialty: Smell & Taste Disorders; Neurodegenerative diseases; Psychophysics; Endocrine influences on sensory function

Research Interests: Sensory test development; Sensory changes in Parkinson's disease; Cholinergic processes in sensory function; Olfactory & auditory event-related potentials; Environmental influences on neurodegenerative processes in transgenic mice

Potential projects:

- Refining behavioral tests to assess motor and cognitive function in mouse models of Alzheimer's and Parkinson's disease following exposure to toxic agents
- Assessing relationship between olfactory test scores, picture identification test scores, and MMSE scores
- Evaluating beta power in the resting EEG and its association with sensory measures & cholinergic function
- Evaluating associations between olfactory and cognitive measures in postmenopausal women taking and not taking estrogen replacement therapy

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