program in NEUROSCIENCE
FLORIDA STATE UNIVERSITY

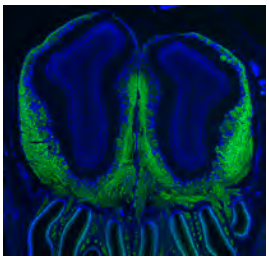
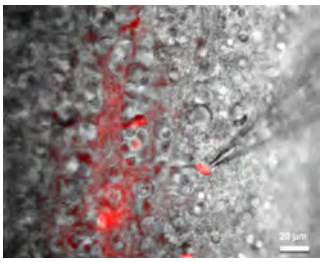
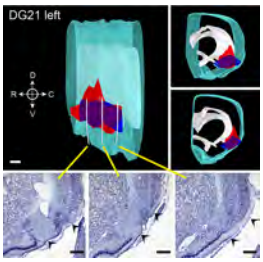
Specialized Predoctoral and Postdoctoral NIH Chemosensory Training Program

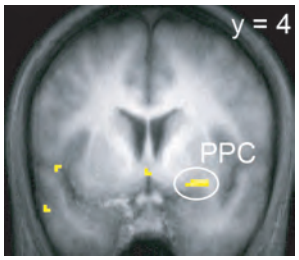
Available at Florida State University, Tallahassee, USA

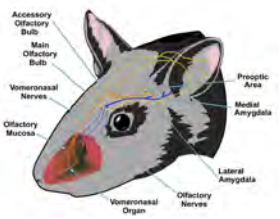
FLORIDA STATE UNIVERSITY 1851

Predoctoral Applications Being Accepted for all Trainers –
Early decision, December 15; final deadline December 31, 2015

Postdoctoral Interviews Available in Laboratories of Spector, Fadool, and Li –
Now through May 31, 2016 or until filled





Descriptions of Chemosensory Trainers:

Lisa Eckel, Ph.D., ***Professor of Psychology and Neuroscience***
Our group uses the rat as a model system to investigate the relationship between taste and feeding behavior using behavioral, psychophysical and molecular biology approaches.

Debra Ann Fadool, Ph.D., ***Professor of Biological Science, Program in Neuroscience and Molecular Biophysics***
My research explores regulatory signaling by ion channels, endocrine pathways, and neuromodulators that govern olfactory coding, odor detection, and energy homeostasis at the level of the olfactory bulb to understand sensory dysfunction attributed to diabetes and obesity.

Tom Houpt, Ph.D., ***Professor of Biological Science and Neuroscience***
Animals are extremely good at learning which tastes and flavors predict nutritious foods, and which predict toxic foods to be avoided. I study the molecular mechanisms underlying food learning in conditioned taste aversion and flavor preference models.

Wen Li, Ph.D., ***Associate Professor of Psychology and Neuroscience***
My research centers on the role of the sensory system in emotion encoding in humans and its implications in emotional disorders (anxiety and depression).

Michael Meredith, Ph.D., ***Professor of Biological Science and Neuroscience***
Research on mechanisms of central processing of chemosensory communication signals in the amygdala, using physiological and behavioral methods including immediate-early gene mapping and brain-slice electrophysiology.

Alan C. Spector, Ph.D., ***Distinguished Research Professor of Psychology and Neuroscience***
We use behavioral procedures, coupled with experimental manipulations of the peripheral and central gustatory system, to study the functional organization of taste processing in the brain.

Paul Q. Trombley, Ph.D., ***Associate Professor of Biological Science and Neuroscience***
My research program explores cellular and molecular mechanisms that regulate neuronal excitability and the efficacy of synaptic transmission in the olfactory bulb (OB). Our experimental approach uses primary neuronal cultures, brain slices, and patch-clamp electrophysiology, in combination with molecular biology and histological techniques, to examine modulation of ion channels, neurotransmitter receptors, and synaptic circuits in the OB.

Please contact individual CTP faculty members to discuss possibilities for joining their research team
See also www.neuro.fsu.edu and http://opda.fsu.edu

Or contact Program Director. Dr. D.A. Fadool (phone/skype 850 644-4775; dfadool@bio.fsu.edu)

The Departments of Biological Science and Psychology at FSU are large, interdisciplinary departments with research programs in Neuroscience, Molecular Biophysics, Computational Science and Information Technology, Cognitive Science and Clinical Psychology/Neuroscience with access to advanced technical facilities including DNA, imaging, hybridoma, protein, viral, and instrumentation/engineering core facilities.