



## Sensory Coding in Drug Abuse Workshop

Neuroscience Center  
Room C  
Rockville, MD

Tuesday, June 9, 2009

### AGENDA

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8:00 a.m. – 8:30 a.m.

**Registration**

8:30 a.m. – 8:45 a.m.

**Welcome and Instructions**

*Roger Sorensen, Ph.D.*  
*Program Official*  
*Division of Basic Neuroscience and Behavioral Research*  
*National Institute on Drug Abuse*

*David Shurtleff, Ph.D.*  
*Director*  
*Division of Basic Neuroscience and Behavioral Research*  
*National Institute on Drug Abuse*

**Session 1**

**Moderator:** *Roger Sorensen, Ph.D.*

8:45 a.m. – 9:15 a.m.

**Perceptual Decision-Making, Perceptual Learning, and Reinforcement Learning in the Primate Brain**

*Josh Gold, Ph.D.*  
*University of Pennsylvania*

9:15 a.m. – 9:45 a.m.

**Reinforcement Learning of Delayed-reward Intervals within the Primary Visual Cortex**

*Marshall Shuler, Ph.D.*  
*Johns Hopkins University*

9:45 a.m. – 10:15 a.m.

**Parietal Cortex and Human Memory**

*Ingrid Olson, Ph.D.*  
*Temple University*

- 10:15 a.m. – 10:30 a.m.**      **Break**
- Session II**      **Moderator:** *Da-Yu Wu, Ph.D.*
- 10:30 a.m. – 11:00 a.m.**      **Responses to Smoking Cues: Sensory Processes as an Index of Coping and an Avenue for Intervention**  
*Stephen Wilson, Ph.D.*  
*The Pennsylvania State University*
- 11:00 a.m. – 11:30 a.m.**      **Contextual Information Processing**  
*Thanos Siapas, Ph.D.*  
*California Institute of Technology*
- 11:30 a.m. – 12:00 p.m.**      **Participant Discussion**  
**Moderator:** *Susan Volman, Ph.D.*
- 12:00 p.m. – 1:00 p.m.**      **Lunch (on your own)**
- Session III**      **Moderator:** *Da-Yu Wu, Ph.D.*
- 1:00 p.m. – 1:30 p.m.**      **Taste Cues in Eliciting Drug-Seeking and Drug-Taking**  
*Patricia Grigson, Ph.D.*  
*The Pennsylvania State University, Hershey*
- 1:30 p.m. – 2:00 p.m.**      **Food Reward and Cortical Taste Processing**  
*Ivan de Araujo, D.Phil.*  
*John B. Pierce Lab, Yale University*
- 2:00 p.m. – 2:30 p.m.**      **Perception of Odors**  
*Donald Wilson, Ph.D.*  
*Nathan Kline Institute*  
*New York University School of Medicine*
- 2:30 p.m. – 2:45 p.m.**      **Break**
- Session III**      **Moderator:** *Susan Volman, Ph.D.*
- 2:45 p.m. – 3:15 p.m.**      **Nicotinic Regulation of Sensory Cortex: Cells, Systems and Behavior**  
*Raju Metherate, Ph.D.*  
*University of California, Irvine*
- 3:15 p.m. – 3:45 p.m.**      **Auditory Cortical Receptive Fields**  
*Christoph Schreiner, M.D., Ph.D.*  
*University of California, San Francisco*
- 3:45 p.m. – 4:30 p.m.**      **Participant Discussion and Recommendations**  
**Moderator:** *Roger Sorensen, Ph.D.*