



Office of  
Dietary Supplements  
National Institutes of Health

## **NIDA-ODS Symposium Caffeine: Is the Next Problem Already Brewing?**

**Neuroscience Center  
Rockville, Maryland**

**July 7 - 8, 2009**

### **AGENDA**

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#### **DAY ONE: TUESDAY, JULY 7, 2009**

- 8:30 – 9:00 a.m.**      **Registration**
- 9:00 – 9:15 a.m.**      **Welcome and Opening Remarks**  
*Nora Volkow, M.D.*  
*Director*  
*National Institute on Drug Abuse*
- 9:15 – 9:30 a.m.**      **Regulatory Perspective**  
*Bill Frankos, Ph.D.*  
*Food and Drug Administration*
- CAFFEINE'S REWARDING AND BEHAVIORAL EFFECTS: A PHARMACOLOGICAL PRIMER**
- 9:30 – 10:00 a.m.**      **Adenosine Receptor Heteromers as Targets for the Psychostimulant Effects of Caffeine**  
*Sergi Ferre, M.D., Ph.D.*  
*National Institute on Drug Abuse*
- 10:00 – 10:30 a.m.**      **Adenosine and Dopamine Receptor Interactions in Striatum and Caffeine-Induced Behavioral Activation**  
*Linda Toth, Ph.D., D.V.M.*  
*Southern Illinois University*
- 10:30 – 11:00 a.m.**      **Caffeine Effects on DA Transmission**  
*Gianluigi Tanda, Ph.D.*  
*National Institute on Drug Abuse*

## **CAFFEINE: EFFECTS ON COGNITIVE PERFORMANCE**

- 11:00 – 11:30 a.m.**      **Caffeine Effects on Cognitive Performance, Mood and Energy**  
*Harris Lieberman, Ph.D.*  
*Army Research Institute of Environmental Medicine*
- 11:30- 12:00 p.m.**      **Comparative Studies of Stimulant Action as Countermeasures for Higher Order Cognition and Executive Function Impairment that Results from Disrupted Sleep Patterns**  
*William Killgore, Ph.D.*  
*McLean Hospital, Harvard Medical School*
- 12:00 – 12:30 p.m.**      **Caffeine and Cognitive Performance With and Without Sleep Deprivation**  
*David Dinges, PhD.*  
*University of Pennsylvania*
- 12:30 - 1:00 p.m.**      **Comparing the Benefits of Caffeine, Naps and Placebo on Verbal, Motor and Perceptual Memory**  
*Sara Mednick, Ph.D.*  
*University of California, San Diego*
- 1:00 – 2:30 p.m.**      **Lunch - On Your Own**

## **CAFFEINE AND HUMAN DISEASE**

- 2:30 – 3:00 p.m.**      **Coffee, Caffeine, and CVD**  
*Ahmed El-Sohemy, Ph.D.*  
*University of Toronto*
- 3:00 – 3:30 p.m.**      **Coffee, Diabetes, and Weight Control**  
*James Greenberg, Ph.D.*  
*Brooklyn College of the City University of New York*
- 3:30 – 4:00 p.m.**      **Adenosine A2A Receptor Antagonists and Parkinson's Disease; State of the Art and Future Directions**  
*Nicola Simola*  
*University of Cagliari*
- 4:00 – 4:30 p.m.**      **Caffeine, Sleep and Wakefulness: Implications of New Understanding About Withdrawal Reversal**  
*Jack James, Ph.D.*  
*National University of Ireland*
- 4:30 – 5:00 p.m.**      **Discussion and Wrap-up**  
*Allison Hoffman, Ph.D.*  
*National Institute on Drug Abuse*

**DAY TWO: WEDNESDAY, JULY 8, 2009**

**HUMAN STUDIES: WHEN COULD CAFFEINE USE BECOME PROBLEMATIC?**

- 9:00 – 9:30 a.m.**      **Does Caffeine Dependence Fit the “Classic” Definition of Drug Dependence and Caffeine Withdrawal?**  
*Roland Griffiths, Ph.D.*  
*Johns Hopkins University*
- 9:30 – 10:00 a.m.**      **Caffeinated Cocktails: Energy Drink Consumption, High-Risk Drinking, and Alcohol-related Consequences Among College Students**  
*Mary Claire O’Brien, M.D.*  
*Wake Forest University*
- 10:00 – 10:30 a.m.**      **Caffeine Dependence in Combination with a Family History of Alcoholism Predicts Continued Use of Caffeine During Pregnancy**  
*Dace Svikis, Ph.D.*  
*Virginia Commonwealth University*
- 10:30 – 11:00 a.m.**      **Caffeine Intake, Toxicity and Dependence and Lifetime Risk for Psychiatric and Substance Use Disorders: An Epidemiologic and Co-twin Control Analysis**  
*Kenneth Kendler, M.D.*  
*Virginia Commonwealth University*
- 11:00 a.m. -**      **Discussion on Future Research Agenda**  
**12:00 p.m.**      *Nora Volkow, M.D.*  
*Director*  
*National Institute on Drug Abuse*
- 12:00 p.m.**      **Adjourn**