



Reward Neurocircuitry in Adolescent Development and Decision Making

**Bethesda North Marriott Hotel Conference Center
Bethesda, Maryland**

January 20, 2006

Sponsored by NIDA, NIMH, NICHD, and NINDS

Agenda

- 8:30 – 8:45 a.m.** **Welcoming Remarks NIH**
- Richard K. Nakamura, Ph.D.*
Deputy Director
National Institute of Mental Health
- 8:45 – 9:00 a.m.** **Adolescent Brain Development and Reward-Related Decisionmaking:
Framing the Questions**
- Ronald E. Dahl, M.D.*
University of Pittsburgh
- 9:00 – 10:00 a.m.** **Functional Neuroanatomy and Neurochemistry of Reward
Circuitry**
- Neurobiology and Neuropharmacology of Reward: Evolutionary and
Developmental Perspectives
Linda Spear, Ph.D.
Binghamton University
- Frameworks of Reward: Economic, Behavioral, and Biological
Models
Gregory S. Berns, M.D., Ph.D.
Emory University School of Medicine
- Discussion (20 minutes)
Moderator: *Emmeline Edwards, Ph.D.*
National Institute of Neurological Disorders and Stroke
- 10:00 – 10:15 a.m.** **Break**

- 10:15 a.m. – 12:00 noon** **Changes in Reward/Decisionmaking Circuitry Over the Course of Adolescence**
- Development of Reward-Related Neural Circuitry During Adolescence
B.J. Casey, Ph.D.
Weill Medical College of Cornell University
- Allostatic vs. Hypersensitive Reward Systems in Adolescence:
How To Decide
Monique Ernst, M.D., Ph.D.
National Institute of Mental Health
- Developmental Changes in Response to Food Stimuli
Deborah A. Yurgelun-Todd, Ph.D.
McLean Hospital
- Discussion (45 minutes)
Moderator: *Judith Rumsey, Ph.D.*
National Institute of Mental Health
- 12:00 noon – 1:00 p.m.** **Lunch (on your own)**
- 1:00 – 2:00 p.m.** **Impact of Puberty**
- Pubertal Processes: Conceptual and Methodological Issues
Ronald E. Dahl, M.D.
University of Pittsburgh
- Are Pubertal Hormone Changes Linked to Stress Susceptibility?
Judy L. Cameron, Ph.D.
University of Pittsburgh Medical Center
- Discussion (20 minutes)
Moderator: *Lisa Freund, Ph.D.*
National Institute of Child Health and Human Development
- 2:00 – 4:00 p.m.** **Discussion: Scientific Opportunities and Critical Methodological Considerations**
- Moderators:
Jean A. King, Ph.D.,
University of Massachusetts Medical School
- Laurence Stanford, Ph.D.*
National Institute on Drug Abuse
- Karen Sirocco, Ph.D.,*
National Institute on Drug Abuse
- 4:00 p.m.** **Adjournment**