Day One
Thursday, June 3, 2010

7:15 – 8:10 a.m. Registration

8:10 – 8:20 a.m. Welcome and Introductions
Rao Rapaka, Ph.D.
National Institute on Drug Abuse

8:20 – 8:30 a.m. Workshop Mission/NIDA’s Goals
David Shurtleff, Ph.D.
National Institute on Drug Abuse

8:30 – 8:45 a.m. Gaps and Goals
Daniele Piomelli, Ph.D.
University of California, Irvine

Session I

Chairs:
Rao Rapaka, Ph.D.
National Institute on Drug Abuse

David Shurtleff, Ph.D.
National Institute on Drug Abuse
8:45 – 9:45 a.m.  A Diet for Health and Longevity: How Do We Get There?  
KEYNOTE ADDRESS
Bruce N. Ames, Ph.D.  
University of California, Berkeley

9:45 – 10:15 a.m.  Nutrition and Addiction: The NIDA Perspective  
Nora D. Volkow, M.D.  
Director  
National Institute on Drug Abuse

10:15 – 10:45 a.m.  Break

10:45 – 11:15 a.m.  Dietary Choline: Brain Development  
Steven H. Zeisel, M.D., Ph.D.  
University of North Carolina at Chapel Hill

11:15 – 11:45 a.m.  Iron and the Dopaminergic System  
James R. Connor, Ph.D.  
Penn State Milton S. Hershey Medical Center

11:45 a.m. – 12:15 p.m.  Zinc Signaling and Neuropsychological Symptoms in Zinc Deficiency  
Atsushi Takeda, Ph.D.  
University of Shizuoka  
Japan

12:15 – 1:45 p.m.  Working Lunch

1:45 – 2:15 p.m.  Summary and Discussion  
Bruce N. Ames, Ph.D.  
University of California, Berkeley

Session II

Chair:  
Joseph Frascella, Ph.D.  
National Institute on Drug Abuse

2:15 – 2:45 p.m.  Evolutionary Aspects of Diet:  
The Omega-6/Omega-3 Fatty Acid Ratio and the Brain  
Artemis P. Simopoulos, M.D.  
The Center for Genetics, Nutrition and Health

2:45 – 3:15 p.m.  Nutrition, Synaptic Circuitry and Memory Areas:  
Sterospecific Mediators of Essential Omega-3 Fatty Acids  
Nicolas Bazan, M.D., Ph.D.  
Louisiana State University Health Sciences Center
3:15 – 3:45 p.m.  Break

3:45 – 4:15 p.m.  Brain Creatine Levels are Altered in Drug Addiction, and Supplementation with Creatine Changes Vulnerability to Depression
Kristen D’Anci, Ph.D.
Tufts University

4:15 – 4:45 p.m.  How Nutrient Metabolism May Influence Cognition: The Case of Alzheimer’s Disease
Daniele Piomelli, Ph.D.
University of California, Irvine

4:45 – 5:15 p.m.  Potential Utility of DHA and Curcumin for Neurological Diseases
Greg M. Cole, Ph.D.
Greater Los Angeles VA Healthcare System

5:15 – 5:45 p.m.  Summary and Discussion
Nicolas Bazan, M.D., Ph.D.
Louisiana State University Health Sciences Center

5:45 p.m.  Adjournment
Day Two
Friday, June 4, 2010

7:15 – 8:15 a.m.  Registration

Session III

Chair:
Minda Lynch, Ph.D.
National Institute on Drug Abuse

8:15 – 8:45 a.m.  Announcements
Rao Rapaka, Ph.D.
National Institute on Drug Abuse

Paul Schnur, Ph.D.
National Institute on Drug Abuse

8:45 – 9:15 a.m.  Dietary/Nutritional Effects on Vocalizations and Other Cognitive Functions
Claudio V. Mello, M.D., Ph.D.
Oregon Health & Science University

9:15 – 9:45 a.m.  Targeting Inflammation by Dietary Agents for Neuroprotection
Bharat B. Aggarwal, Ph.D.
The University of Texas MD Anderson Cancer Center

9:45 – 10:15 a.m.  Modulation of Multiple Brain Targets by Food Polyphenols: A Nutritional Neuroprotective Strategy for Brain Ageing and Cognitive Disorders
Giovanni Scapagnini, M.D., Ph.D.
University of Molise
Italy

10:15 – 10:45 a.m.  Addictive Genes and Relationship to Inflammation and Obesity
David Heber, M.D., Ph.D.
University of California, Los Angeles

10:45 – 11:15 a.m.  Break

11:15 – 11:45 a.m.  Summary and Discussion
Daniele Piomelli, Ph.D.
University of California, Irvine
11:45 a.m. – 1:00 p.m.  Working Lunch

1:00 – 3:00 p.m.  Discussion: Gaps, Goals and Future Directions
Bruce Ames, Ph.D., Daniele Piomelli, Ph.D.,
Nicolas Bazan, M.D., Ph.D., and Paul Schnur, Ph.D.

3:00 – 3:10 p.m.  Closing Remarks
Rao Rapaka, Ph.D.
National Institute on Drug Abuse

3:10 p.m.  Adjournment