Pennington Biomedical Research Center
in conjunction with the Nutrition Obesity Research Center (NIDDK)
present:

Scientific Symposium
Nutritional Programming and Obesity
State-of-the-Science, Innovation and Future Directions
December 7-9, 2014

Sunday, December 7

6:00-9:00 PM  Pennington Biomedical Research Center
Tour, Jazz Reception & Dinner

Monday, December 8

All symposium meetings 12/8 and 12/9 will be held in the Abell Board Room of the Lod Cook Conference Center,
LSU Main Campus, 3838 W. Lakeshore Drive, directly across from the Lod Cook Hotel

8:30-8:40 AM  Welcome and Overview
Leanne Redman, Ph.D.
Associate Professor, Reproductive Endocrinology & Women’s Health Research

8:40-9:20 AM  Early life exposures setting up life-long trajectories, implications for obesity
Moshe Szyf, Ph.D.
Full Professor, Department of Pharmacology and Therapeutics, McGill University
Montreal, Quebec, Canada

SESSION I:  EPIDEMIOLOGY AND MECHANISMS

9:20-10:00 AM  Epidemiology of nutritional programming
Suzanne Ozanne, Ph.D.
Reader in Developmental Endocrinology, University of Cambridge, UK

10:00-10:15 AM  BREAK

10:15-10:55 AM  Mechanistic insights from animal models
Rebecca Simmons, M.D.
Professor of Pediatrics, Perelman School of Medicine, Philadelphia, PA

10:55-11:35 AM  Prospects for probing epigenetic mechanisms in human studies
Bas Heijmans, Ph.D.
Associate Professor, Leiden University Medical Center, The Hague Area, Netherlands

SESSION II:  INTERVENTION STUDIES

11:35-12:15 PM  Effects of nutrient supplementation and in utero exposures on newborn epigenetic profiles
David B. Dunger, M.D.
Professor of Pediatrics, University of Cambridge Metabolic Research Laboratories
Cambridge, UK

12:15-1:00 PM  LUNCH – Lod Cook Alumni Center, Cook Room

1:00-1:40 PM  Diet and exercise interventions in adults
Charlotte Ling, PhD
Associate Professor, Lund University Department of Clinical Sciences
1:40-2:20 PM  Weight loss interventions
J. Alfredo Martinez, Ph.D.
Professor of Food Sciences and Nutrition, University of Navarra, Pamplona, Spain

2:20-2:35 PM  BREAK

2:35-3:35 PM  Panel Discussion – Current insights and potential mechanisms
Panelists: Speakers 1, 2, 3
Moderator: Szyf

3:35-5:00 PM  Panel Discussion – Lessons learned from intervention studies:
How do we identify people at risk?
Panelists: Speakers 4, 5, 6, 7
Moderator: Ravussin

5:00-7:00 PM  Hospitality Suite – Lod Cook Hotel, Room TBD

7:00-9:00 PM  Dinner - Lod Cook Alumni Center, Cook Room

Tuesday, December 9

SESSION III:  TRANSLATION

9:00-9:40 AM  Role of epigenetics in personalized medicine
Robert Waterland, Ph.D.
Associate Professor of Pediatrics and Molecular & Human Genetics
Baylor College of Medicine

9:40-10:20 AM  Considerations for intervention designs
Marie-France Hivert, M.D., MMSc
Assistant Professor, Department of Population Medicine
Harvard Pilgrim Health Care Institute, Harvard Medical School

10:20-10:35 AM  BREAK

10:35-11:15 AM  Panel Discussion - What interventions should be done and when?
Panelists: Speakers 8, 9
Moderator: Redman

SESSION IV:  ROUNDTABLE - ALL meeting participants

11:15-12:15 PM  Consensus Discussion - Putting it together
Boxed Lunch