

**National Institutes of Health Office of Disease Prevention  
Evidence-based Methodology Workshop on Polycystic Ovary Syndrome**

**December 3–5, 2012**

**Agenda**

**Monday, December 3, 2012**

*Bethesda Marriott*

*5151 Pooks Hill Road*

*Bethesda, Maryland 20814*

- 5:00 p.m. Registration Opens**
- 6:30 p.m. Workshop Overview**  
*Louis V. DePaolo, Ph.D.*  
Chief  
Fertility and Infertility Branch  
*Eunice Kennedy Shriver* National Institute of Child Health and Human  
Development  
National Institutes of Health
- 6:45 p.m. Welcome**  
*David M. Murray, Ph.D.*  
Associate Director for Prevention  
Director, Office of Disease Prevention  
Office of the Director  
National Institutes of Health
- 7:00 p.m. Overview of the Literature Search Methodology**  
*Nancy Terry, M.L.S.*  
Biomedical Research Librarian/Informationist  
National Institutes of Health Library  
Division of Library Services  
Office of Research Services  
Office of the Director  
National Institutes of Health
- 7:30 p.m. Facilitated Panel and Audience Discussion**  
*Moderator: Paris A. Watson*
- 8:30 p.m. Wrap-up, Day 1**
- 9:00 p.m. Adjourn, Day 1**

**Tuesday, December 4, 2012**  
*Natcher Conference Center*  
*Building 45, Main Auditorium*  
*National Institutes of Health*  
*Bethesda, Maryland 20892*

**7:00 a.m. Registration Opens**

**8:00 a.m. Opening Remarks**

*Yvonne T. Maddox, Ph.D.*

Deputy Director

*Eunice Kennedy Shriver* National Institute of Child Health and Human  
Development

National Institutes of Health

**8:10 a.m. Session 1: Diagnostic Criteria Used for Polycystic Ovary Syndrome (PCOS)**

***Moderator: Andrea Dunaif, M.D.***

**Discussion of the Three Diagnostic Criteria**

*Andrea Dunaif, M.D.*

Charles F. Kettering Professor of Endocrinology and Metabolism

Vice Chair for Research

Department of Medicine

Northwestern University Feinberg School of Medicine

**8:30 a.m. The 2003 Rotterdam Consensus Criteria Put in Perspective**

*Bart C.J.M. Fauser, M.D., Ph.D.*

Professor of Reproductive Medicine

Utrecht Life Sciences

University Medical Center

**8:50 a.m. The 2006 Androgen Excess and PCOS Society Criteria for PCOS: The Critical Importance of Androgenization**

*Ricardo Azziz, M.D., M.P.H., M.B.A.*

Professor

Obstetrics, Gynecology, and Medicine

President

Georgia Health Sciences University

Chief Executive Officer

Georgia Health Sciences Health System

**9:10 a.m. The Impact of Assay Quality and Reference Range on Clinical Decision-Making in Patients With Androgen Disorders**

*Shalender Bhasin, M.D.*

Professor of Medicine

Boston University School of Medicine

Chief

Section of Endocrinology, Diabetes, and Nutrition

Director

Boston Claude D. Pepper Older Americans Independence Center

Boston Medical Center

**Tuesday, December 4, 2012 (continued)**

- 9:30 a.m. Age at Diagnosis**  
*Sharon E. Oberfield, M.D.*  
Professor of Pediatrics and Director  
Division of Pediatric Endocrinology, Diabetes, and Metabolism  
Columbia University Medical Center
- 9:50 a.m. Epidemiology of PCOS**  
*PonJola Coney, M.D.*  
Senior Associate Dean for Faculty Affairs  
Virginia Commonwealth University School of Medicine
- 10:10 a.m. Facilitated Panel and Audience Discussion**
- 12:30 p.m. Lunch—Panel Meets in Executive Session**
- 1:30 p.m. Session 2: Developmental or Genetic Origins of PCOS**  
***Moderator: R. Jeffrey Chang, M.D.***  
**Intrauterine Environment**  
*Daniel Dumesic, M.D.*  
Division Chief and Professor, Reproductive Endocrinology and Infertility  
Department of Obstetrics and Gynecology  
University of California, Los Angeles
- 1:50 p.m. Role of Postnatal Androgen Exposure**  
*John C. Marshall, M.B.Ch.B., M.D.*  
Director  
Center for Research in Reproduction  
University of Virginia School of Medicine
- 2:10 p.m. Early Hormonal Abnormalities in Children Born to Mothers With PCOS**  
*Teresa Sir-Petermann, M.D.*  
Professor  
Laboratory of Endocrinology and Metabolism, West Division  
University of Chile School of Medicine
- 2:30 p.m. Ovarian Morphology**  
*Marcelle I. Cedars, M.D.*  
Professor and Director  
Division of Reproductive Endocrinology  
University of California, San Francisco
- 2:50 p.m. Role of Obesity Prior to Puberty**  
*R. Jeffrey Chang, M.D.*  
Professor and Director  
Division of Reproductive Endocrinology  
Department of Reproductive Medicine  
University of California, San Diego School of Medicine
- 3:10 p.m. Break**

Tuesday, December 4, 2012 (*continued*)

- 3:30 p.m. Epigenetic Nonhuman Primate Model Demonstrates Metabolic Antecedents to PCOS-Like Traits**  
*David H. Abbott, Ph.D.*  
Professor  
Department of Obstetrics and Gynecology  
Wisconsin National Primate Research Center  
University of Wisconsin
- 3:50 p.m. Androgen Effects on the Central Circuits Affecting Fertility**  
*Sue Moenter, Ph.D., M.S.*  
Professor  
Departments of Molecular and Integrative Physiology, Internal Medicine, and Obstetrics and Gynecology  
University of Michigan School of Medicine
- 4:10 p.m. Developmental Programming of PCOS Phenotype: Impact of Maternal/Fetal Environment**  
*Vasantha Padmanabhan, Ph.D.*  
Professor  
Departments of Pediatrics, Obstetrics and Gynecology, Molecular and Integrative Physiology, and Environmental Health Sciences  
University of Michigan School of Medicine
- 4:30 p.m. Genetics**  
*Margrit Urbanek, Ph.D.*  
Associate Professor  
Division of Endocrinology  
Department of Medicine  
Northwestern University Feinberg School of Medicine
- 4:50 p.m. Genome-Wide Association Studies: Predisposition to Comorbidities**  
*Jose C. Florez, M.D., Ph.D.*  
Assistant Physician in Endocrinology  
Center for Human Genetic Research Diabetes Unit  
Massachusetts General Hospital  
Associate Professor  
Harvard Medical School  
Associate Member  
Broad Institute
- 5:10 p.m. Facilitated Panel and Audience Discussion**
- 6:15 p.m. Wrap-up, Day 2**
- 6:30 p.m. Adjourn, Day 2**

**Wednesday, December 5, 2012**

*Natcher Conference Center  
Building 45, Main Auditorium  
National Institutes of Health  
Bethesda, Maryland 20892*

**8:00 a.m. Registration Opens**

**8:30 a.m. Session 3: Long-Term Health Consequences of PCOS**

*Moderator: Adrian S. Dobs, M.D., M.H.S.*

**Type 2 Diabetes and Prediabetes in Women With PCOS**

*Adrian S. Dobs, M.D., M.H.S.*

Professor of Medicine and Oncology

Division of Endocrinology and Metabolism

The Johns Hopkins University School of Medicine

**8:50 a.m. Cardiovascular Disease**

*Evelyn O. Talbott, Dr.P.H., M.P.H.*

Professor

Department of Epidemiology

Program Director

Environmental Epidemiology Program

Graduate School of Public Health

University of Pittsburgh

**9:10 a.m. Obstructive Sleep Apnea in PCOS: Causes and Consequences**

*David A. Ehrmann, M.D.*

Professor of Medicine and Associate Director

University of Chicago Clinical Research Center

Director

Center for Polycystic Ovary Syndrome

University of Chicago Medical Center

**9:30 a.m. Endometrial and Other Cancers**

*Kurt T. Barnhart, M.D., M.S.C.E.*

William Shippen, Jr. Professor of Obstetrics and Gynecology and  
Epidemiology

Director

Women's Health Clinical Research Center

Division of Reproductive Endocrinology and Infertility

University of Pennsylvania Medical Center

**9:50 a.m. Break**

**Wednesday, December 5, 2012 (continued)**

- 10:10 a.m. Nonalcoholic Fatty Liver Disease**  
*Silva Arslanian, M.D.*  
Chief  
Weight Management and Wellness Center  
Director  
Pediatric Clinical and Translational Research Center  
University of Pittsburgh Medical Center (UPMC) Richard L. Day  
Endowed Chair in Pediatrics  
Professor of Pediatrics  
University of Pittsburgh School of Medicine  
Children's Hospital of Pittsburgh of UPMC
- 10:30 a.m. Mental Health**  
*Natalie Rasgon, M.D., Ph.D.*  
Professor  
Department of Psychiatry and Behavioral Sciences  
Stanford Center for Neuroscience in Women's Health  
Stanford University School of Medicine
- 10:50 a.m. Menopause in Women With PCOS**  
*Rogerio A. Lobo, M.D.*  
Professor of Obstetrics and Gynecology  
Columbia University College of Physicians and Surgeons
- 11:10 a.m. Facilitated Panel and Audience Discussion**
- 12:30 p.m. Lunch—Panel Meets in Executive Session**
- 1:30 p.m. Session 4: Optimal Management Strategies for the Reproductive and Metabolic Consequences of PCOS**  
*Moderator: Rogerio A. Lobo, M.D.*  
**Strategies for Management of Metabolic Phenotypes**  
*Stephen Franks, M.D., FRCP, FMedSci*  
Professor  
Institute of Reproductive and Developmental Biology  
Imperial College London  
Hammersmith Hospital
- 1:50 p.m. Strategies for Management of Reproductive and Metabolic Consequences of PCOS**  
*Richard S. Legro, M.D., FACOG*  
Professor of Obstetrics and Gynecology  
College of Medicine  
Milton S. Hershey Medical Center  
Hershey Obstetrics and Gynecology  
The Pennsylvania State University

**Wednesday, December 5, 2012 (continued)**

- 2:10 p.m.            Pregnancy and Its Outcomes**  
*Adam Balen, M.B.B.S., M.D., D.Sc., FRCOG*  
Consultant Obstetrician and Gynaecologist and Subspecialist in  
Reproductive Medicine  
Honorary Professor of Reproductive Medicine and Surgery  
Leeds General Infirmary and St. James's University Hospital  
The Leeds Teaching Hospitals NHS Trust  
University of Leeds
- 2:30 p.m.            Role of Prevention and Lifestyle Strategies**  
*Robert Norman, M.D.*  
Director  
Robinson Institute  
Faculty of Health Sciences  
University of Adelaide
- 2:50 p.m.            Role of Family Screening**  
*Okan Bülent Yildiz, M.D.*  
Professor  
Department of Internal Medicine  
Endocrinology and Metabolism Unit  
Hacettepe University School of Medicine
- 3:10 p.m.            Facilitated Panel and Audience Discussion**
- 4:10 p.m.            Final Points by Speakers, Panel, Audience**
- 5:30 p.m.            Workshop Wrap-up**
- 6:30 p.m.            Adjourn Workshop**