Agenda — Day 1

8:00 A.M. CONVENE

Chair’s Welcome
Chair, Patrick Stover — Cornell University

Office of Dietary Supplements (ODS) Welcome
Paul Coates — ODS, National Institutes of Health (NIH)

Workshop Context and Focus
Christine Taylor — ODS, NIH

U.S. Preventive Services Task Force (USPSTF) Reports — Data Gaps Identified for Iron Screening and Supplementation
Alex Kemper — USPSTF, Duke University

Session 1: Relevant Biological Underpinnings
Moderator: Catharine Ross — Penn State University

8:50 A.M. 1.1 Current Understanding of Iron Homeostasis: Findings from Humans and Animal Models
Greg Anderson — QIMR Berghofer Medical Research Institute

1.2 How Does Iron Homeostasis Change for Pregnant Women?
Elizabeta Nemeth — UCLA Center for Iron Disorders and Intrinsic LifeSciences

1.3 How Does Iron Homeostasis Change for Infants and Young Children?
Bo Lönnerdal — University of California, Davis

1.4 Current Understandings about Chronic and Acute Inflammatory Response
Catharine Ross — Penn State University

BREAK

1.5 Structured Panel: Perspectives on the Biological Underpinnings Surrounding Iron Homeostasis
Michael Georgieff — University of Minnesota
Victor Gordeuk — University of Illinois
Kathryn Dewey — University of California, Davis
Marianne Wessling-Resnick — Harvard University

Open Mic Discussion with Audience

12:00 NOON LUNCH
Session 2: **What Are the Challenges in Measuring and Screening for Iron Status?**
Moderator: *Christine Taylor* — ODS, NIH

1:00 P.M.

2.1 **Laboratory Methodologies for Measures of Iron Status: Strengths, Limitations, and Analytical Challenges**
*Christine Pfeiffer* — Centers for Disease Control and Prevention (CDC)

2.2 **Perspectives from a Clinical Laboratory**
*Andy Hoofnagle* — University of Washington

2.3 **Emerging Understanding and Measurement of Plasma Volume Expansion**
*Laura Vricella* — Saint Louis University

2.4 **Assessment of Iron Status in Settings of Inflammation: Challenges and Potential Approaches**
*Parminder Suchdev* — Emory University

2.5 **How Strong is the Evidence for Iron Status Cut Points for Pregnant Women and Young Children, and What Do We Need to Know?**
*Sant-Rayn Pasricha* — University of Oxford

2.6 **Structured Panel: What Are the Key Considerations for Iron Measurement and Status Screening for Pregnant Women and Young Children in Developed Countries?**
*Michael Georgieff* — University of Minnesota
*Nancy Krebs* — University of Colorado

Open Mic Discussion with Audience

BREAK

Session 3: **Iron Status of Pregnant Women and Young Children in Developed Countries**
Moderator: *Paul Coates* — ODS, NIH

4:00 P.M.

3.1 **Iron Status in Developed Countries: Prevalence of Iron Adequacy and Inadequacy from the National Health and Nutrition Examination Survey (NHANES) for Pregnant Women, Young Children, and Non-Pregnant Women**
*Zuguo Mei* — CDC

3.2 **Iron Status of Pregnant Women in Developed Countries: Other Evidence for the United States and Canada**
*Kimberly O’Brien* — Cornell University

3.3 **Iron Status of Pregnant Women in Developed Countries: Europe**
*Nils Milman* — University of Copenhagen

3.4 **Iron Status of Young Children in Developed Countries: Europe**
*Liandré Van der Merwe* — Nutricia Research

Questions for Speakers and Open Mic Discussion with Audience

Chair Wrap-up for Day 1
*Patrick Stover* — Cornell University

5:15 P.M. **ADJOURN**
Agenda — Day 2

Session 4: Emerging Concerns: Supplementation in Iron-replete Pregnant Women and Young Children
Moderator: Patsy Brannon — Cornell University

8:00 A.M.  

4.1 Iron Status and Gestational Diabetes  
Cuilin Zhang — National Institute of Child Health and Human Development (NICHD), NIH

4.2 Iron Status as a Factor in Growth, Infections, and Development of Infants and Young Children  
Bo Lönnertal — University of California, Davis

4.3 Infant Iron Status and Gut Microbiome  
Michael Zimmermann — ETH Zürich

4.4 U-Shaped Curve for Risk Associated with Iron Supplementation  
Kathryn Dewey — University of California, Davis

4.5 Open Panel: Consideration of Emerging Concerns in Supplementing Iron-replete Pregnant Women and Young Children  
Gary Brittenham — Columbia University  
Kevin Cockell — Health Canada  
Nancy Krebs — University of Colorado  
Sant-Rayn Pasricha — University of Oxford

Open Mic Discussion with Audience

BREAK

Session 5: Resolving Issues and Next Steps
Moderator: Patrick Stover — Cornell University

10:35 am  

5.1 Integrating New Understandings and Challenges  
Patsy Brannon — Cornell University

5.2 Open Panel: Perspectives on Integrating New Understandings and Challenges  
Greg Anderson — QIMR Berghofer Medical Research Institute  
Naomi Fukagawa — Human Nutrition Research Center, U.S. Department of Agriculture  
Elizabeta Nemeth — UCLA Center for Iron Disorders and Intrinsic LifeSciences  
Daniel Raiten — NICHD, NIH  
Michael Zimmermann — ETH Zürich
Session 5: Resolving Issues and Next Steps (continued)

5.3 Open Discussion: Key Evidence Needs and Next Steps
   Douglas Balentine — Food and Drug Administration
   Gary Brittenham — Columbia University
   Andy Hoofnagle — University of Washington
   James McClung — Military Nutrition Division, U.S. Army Research Institute of Environmental Medicine
   Maureen Phipps — USPSTF, Brown University
   Catharine Ross — Penn State University
   Cindy Roy — National Institute of Diabetes and Digestive and Kidney Diseases, NIH
   Cuilin Zhang — NICHD, NIH

Open Mic Discussion with Audience

Summary of Research Needs
Chair, Patrick Stover — Cornell University

12:30 P.M. ADJOURN