Assessing Exposures and Health Effects Related to Indoor Biomass Fuel Burning

Monday, August 18, 2014
8:00 a.m. – 5:00 p.m.
NIEHS Building 101, Rodbell Auditorium

Agenda

8:00 – 8:15 a.m.
Welcome and Introduction — Linda Birnbaum, Ph.D., Director, NIEHS and NTP
Overview of Research Efforts

8:15 – 8:30 a.m.
Claudia Thompson, Ph.D., Branch Chief, Population Health Branch, DERT, NIEHS
NIEHS/WHO Collaborating Centre and NIEHS-funded research on Indoor Air Pollution

8:30 – 9:05 a.m.
Keynote address
Sumi Mehta, Ph.D., Director of Programs, Global Alliance for Clean Cookstoves
Are we getting clean enough? Evaluating exposures to household air pollution

Assessing Exposure

9:05 – 9:40 a.m.
Ryan Chartier, Chemist, Aerosol Scientist, RTI International
RTI’s Cookstove Research and Development of the MicroPEM™ to Support Health Outcome Studies (presented by Jonathan Thornburg)

9:40 – 10:15 a.m.
Andy Grieshop, Ph.D., Assistant Professor, Department of Civil, Construction, and Environmental Engineering, NCSU
Evaluation of a Climate-Financed Cookstove Intervention in Rural South India

10:15 – 10:30 a.m.
Break
From Exposure to Toxicology
10:30 a.m. – noon  EPA Cookstove Research
- Alan Vette, Ph.D., Acting Deputy Director, Air, Climate, and Energy Research Program, ORD, EPA
  *Overview of EPA Cookstove Research*
- Jim Jetter, Research Engineer, NRMRL, EPA
  *Air Pollutant Emissions From Solid-fuel Cookstoves*
- Janice Dye, D.V.M., Ph.D., Research Biologist, NHEERL, EPA
  *Approaches to the Assessment of the Toxicity of Cookstove Emissions*
- David DeMarini, Ph.D., Genetic Toxicologist, NHEERL, EPA
  *Mutagenicity Emission Factors of Cookstoves: Health Effects Implications Relative to Other Combustion Emissions*

Noon – 12:50 p.m. Lunch (on your own)
12:50 – 1:25 p.m. Tony Ward, Ph.D., Associate Professor, Center for Environmental Health Sciences, University of Montana
  *Residential Wood Stove Studies: From the Field to the Laboratory*
1:25 – 1:40 p.m. Cynthia Rider, Ph.D., Toxicologist, National Toxicology Program, NIEHS
  *Cookstove Emissions in the Polycyclic Aromatic Compound Mixtures Assessment Program at the National Toxicology Program*

Translational Research and Intervention Strategies
1:40 – 2:15 p.m. Marc Jeuland, Ph.D., Assistant Professor of Public Policy, Global Health, Environmental and Civil Environmental Engineering, Duke University
  *Increasing ICS Adoption and Use in Rural India: Lessons From the Duke-TRAction Project*
2:15 – 2:50 p.m. Pam Jagger, Ph.D., Assistant Professor of Environmental Policy, UNC
  *The Challenge of Biomass Reliance for Health and Welfare in Malawi*
2:50 – 3:05 p.m. Break

Highlighting the Next Generation of Researchers
3:05 – 3:40 p.m. Eleanne van Vliet, Dr.P.H. student, with Patrick Kinney, Sc.D., Columbia University
  *Personal Exposures to Fine Particulate Matter in Households Using Biomass Fuels in Rural Ghana*
3:40 – 4:15 p.m. Lucia G. Pruneda-Alvarez, Ph.D. student, with Ivan Nelinho Perez Maldonado, Ph.D., Universidad Autonoma de San Luis Potosi
  *Exposure to Indoor Air Pollutants (Polycyclic Aromatic Hydrocarbons, Toluene, Benzene) in Mexican Women*

Moving Environmental Health Research Forward
4:15 – 5:00 p.m. Kimberly Gray, Ph.D., Moderator, DERT, NIEHS
  *Panel discussion — Sumi Mehta, Marc Jeuland, Jim Jetter, Andy Grieshop*
5:00 – 5:05 p.m. Closing remarks