

## *MASTER AGENDA*

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### **MONDAY, NOVEMBER 2, 2009**

**5:00 – 8:00 PM Registration/Check-in**

Marriott Marquis Hotel, Lobby  
1535 Broadway (between W. 45<sup>th</sup> and W. 46<sup>th</sup> Street)  
New York, NY

**6:00 – 9:00 PM Social event for trainees:**

Marriott Marquis Hotel, The O'Neill Room  
1535 Broadway  
New York, NY

**7:00 – 8:30 PM Strategic Planning Town Hall Meeting:**

Marriott Marquis, The Wilder Room  
1535 Broadway  
New York, NY

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### **TUESDAY, NOVEMBER 3, 2009**

Alfred Lerner Hall  
Columbia University  
2920 Broadway (between W. 114<sup>th</sup> and W. 115<sup>th</sup> Street)

New York, NY 10027

**Scientific Sessions: The Roone Arledge Auditorium**

**8:00-9:00      Continental Breakfast**

**9:00-9:25      Opening Statements**

*Joseph Graziano, PhD*  
Associate Dean for Research  
Professor of Environmental Health Sciences, and Professor of Pharmacology  
Mailman School of Public Health  
Columbia University

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*Linda Fried, MD, MPH*  
Dean  
Mailman School of Public Health  
Columbia University  
DeLamar Professor of Public Health Practice  
Senior Vice President, Columbia University Medical Center  
Professor of Epidemiology and of Medicine

*William Suk, PhD*  
Director  
Superfund Hazardous Substances Basic Research & Training Program  
NIEHS

*Steven Kleeberger, PhD*  
Acting Deputy Director  
Division of Intramural Research  
Environmental Diseases and Medicine Program  
Laboratory of Respiratory Biology  
NIEHS

**9:25-10:50 Science Session #1: Emerging Issues**

**Session Co-Chairs:**

Raina Maier, PhD (Professor of Soil, Water and Environmental Science, University of Arizona)  
and Eric Suuberg, ScD (Professor of Engineering, Brown University)

9:25-9:55 **The Coal Fly Ash Disaster in Tennessee.** James Webster, PhD, Chief, Removal Management and Oil Section, Emergency Response and Removal Branch, U.S. EPA Region 4.

9:55-10:25 **PAHs in Highly Exposed Populations: Atmospheric Studies from China to the Coast of California, before, during and after the Beijing Olympics.** David Williams, PhD, Professor, Environmental and Molecular Toxicology, Department of Chemistry, Oregon State University (presenting on behalf of Staci Simonich, PhD, Associate Professor)

10:25-10:50 **Environmental Exposures and Autoimmunity: Libby Montana's Asbestos.** Jean C. Pfau, PhD, Assistant Professor, Department of Biological Sciences, Idaho State University.

10:50-11:10 **Break**

**11:10-11:40 Keynote Presentation: The Research Career of the late Dr. KC Donnelly**

*Stephen Safe, PhD*  
Professor  
Veterinary Physiology and Pharmacology  
Texas A&M University

11:40-2:00 **Lunch/Poster Session A** (Roone Arledge Auditorium)

**Administrative Sessions: Room 569**

**2:00-3:20 Administrators Session #1**

2:00-2:10 **Opening** – Bernice Ramos-Perez

2:10-2:40 **Data Sharing** – Linda Covington

2:40-3:20 **Preparing a Superfund Budget** – Jennifer Moore & Betty Newsom

3:20- 3:50 **Break**

**3:50-5:00 Administrators Session #2**

3:50-4:20 **“Research Translation Cores: Promoting and Improving the Use of SRP Science to Enhance Public Health”** – Meredith Golden

4:20-5:00 **“Using PubMed Central: How to comply with the NIH Public Access Policy”** – Patricia Ramstad

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**Scientific Sessions: The Roone Arledge Auditorium**

**2:00-3:20 Scientific Session #2: Epigenetics and Toxicology  
Session Co-Chairs:**

Mary Gamble, PhD (Assistant Professor of Environmental Health Sciences, Columbia University) and Carmen Marsit, PhD (Assistant Professor of Pathology & Lab Medicine, Brown University)

2:00-2:30 **Epigenetic Effects on Mammalian Gene Expression.** Timothy Bestor, PhD, Professor, Department of Genetics and Development, College of Physicians & Surgeons, Columbia University.

2:30-2:55 **Epigenetic Effects of Metals on Histone Modification.** Max Costa, PhD, Department of Environmental Medicine, New York University Medical Center.

2:55-3:20 **Application of Epigenetic Markers in Environmental Epidemiology.** Shuk-Mei Ho, PhD, Professor and Chair, Department of Environmental Health Sciences, University of Cincinnati.

3:20-3:50 **Break**

**3:50-5:00 Scientific Session #3: Advances in Mechanistic Toxicology  
Session Co-Chairs:**

Evan Gallagher, PhD (Professor, Environmental and Occupational Health Sciences, University of Washington) and Nancy Denslow, PhD (Professor, Department of Physiological Sciences & Center for Environmental and Human Toxicology, University of Florida)

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3:50-4:10 **Rodent and Zebrafish Models to Investigate Mechanisms of Neurotoxicity.** Edward Levin, PhD, Professor of Psychiatry and Psychological Brain Sciences, Duke University.

4:10-4:25 **Probing Mechanisms of Inter-Individual Susceptibility to Environmental Agents with Population-Based Experimental Approaches.** Ivan Rusyn, MD, PhD, Associate Professor of Environmental Science and Engineering, University of North Carolina.

4:25-4:45 **Characterizing Immunotoxicity by Dioxin and Dioxin-like Compounds in Human Peripheral B Cells.** Norbert Kaminski, PhD, Director, Center for Integrative Toxicology, Michigan State University.

4:45-5:00 **Premature Aging in Bone: Environmental Chemical-Induced Effects on Bone Marrow Adipogenesis and Osteoblastogenesis.** Jennifer Schlezinger, PhD, Department of Environmental Health, Boston University.

**5:00-8:00**      **Poster Session B** (Roone Arledge lobby)

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**WEDNESDAY, NOVEMBER 4, 2009**

**8:00-9:00**      Student Breakfast with SRP Principal Investigators (The Party Room, Lerner Hall)

**8:00-9:00**      Continental Breakfast (Roone Arledge Auditorium, Lerner Hall)

**9:00-9:50**      **Keynote Presentation: Update on the Hudson River Remediation**

*George Pavlou, MBA*  
Acting Regional Administrator  
EPA Region 2

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**Administrative Sessions: Room 569**

**9:50-10:40**      **Administrators Session #3** (Alfred Lerner Hall, room 569)

9:50-10:20      **NIEHS Updates Section 1: Review** – Sally Eckert-Tilotta

10:20-10:40      **NIEHS Updates Section 2: Programs** – Beth Anderson and Heather Henry

10:40-11:00      **Break**

**11:00-12:00**      **Administrators Session #4** (Alfred Lerner Hall, room 569)

11:00-11:30      **NIEHS Updates Section 3: Grants** – Lisa Archer Edwards

11:30-12:00      **Open Discussion and Planning for Next Year**

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**Scientific Sessions: The Roone Arledge Auditorium**

**9:50-10:40 Scientific Session #4: SRP Remediation Research of Importance to Superfund Sites  
Session Co-Chairs:**

Peggy O'Day, PhD (Professor, School of Natural Sciences, University of California, Merced) and Keri C. Hornbuckle, PhD (Professor and Department Chair, Civil and Environmental Engineering, University of Iowa)

9:50-10:05 **Laboratory and Field Studies To Accelerate Arsenic Remediation at the Vineland Superfund Site.** Karen Wovkulich, PhD candidate, Department of Earth and Environmental Sciences, Columbia University.

10:05-10:20 **Characterization and Remediation of Tars at Former Manufactured Gas Plants.** Pamela Birak, PhD candidate, Department of Environmental Sciences and Engineering, University of North Carolina.

10:20-10:40 **Reactive, Permeable Composite Overlays Applied to Top Sediments as a Means of Rendering Chemical Contaminants Inert.** Doğuş Meriç, PhD candidate, Northeastern University

10:40-11:00 **Break**

**11:00-12:00 Scientific Session #5: Toxic Effects of Superfund Chemicals: Arsenic  
Session Co-Chairs:**

Max Costa, PhD (Professor, Departments of Environmental Medicine and Pharmacology, New York University) and Margaret Karagas, PhD (Professor of Community and Family Medicine in Epidemiology, Dartmouth University)

11:00-11:20 **Knockout of the Gene for Arsenic Methyl Transferase in Mice Results in Retention of Arsenic.** David Thomas, PhD, EPA, RTP.

11:20-11:40 **Exposure to Arsenic in Mice Leads to Susceptibility to Swine Flu infection.** Courtney Kozul, PhD candidate, Dartmouth University.

11:40-12:00 **Histone Modification and Arsenic Toxicity in Human Bladder Cells.** Xuefeng Ren, MD, PhD, Department of Environmental Health Sciences, University of California, Berkeley.

**12:00-1:40 Lunch and Wetterhahn Award and Student Poster Award Presentations**

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**Administrative Sessions: Room 569**

**1:40-3:00 Administrators Session #5** (Alfred Lerner Hall, room 569)

**1:40-2:10 "Salary Calculations for Academic and Calendar Year Appointments" –**

Mindy E. Sickels

2:10-3:00 **Cost Sharing** – Rosa Rivera

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**Scientific Sessions: The Roone Arledge Auditorium**

**1:40-3:00 Scientific Session #6: Toxic Effects of Superfund Chemicals: Organic Chemicals  
Session Co-Chairs:**

Bernhard Hennig, PhD, RD (Professor of Nutrition and Toxicology, University of Kentucky)  
and Larry Robertson, PhD, MPH (Professor, Environmental and Occupational Health,  
University of Iowa)

1:40-2:00 **The Mechanistic Basis of Resistance to PCBs**, Isaac Wirgin, PhD, New York University

2:00-2:20 **Signaling mechanisms of PCB-induced migration of tumor cells across the blood-brain barrier and the development of brain metastases**, Michal Toborek, MD, PhD, University of Kentucky

2:20-2:40 **Molecular and Cellular Mechanisms of Neurotoxicity for Non-Coplanar PCBs and Related Compounds of Current Environmental Concern**, Isaac Pessah, PhD, University of California, Davis

2:40-3:00 **PCB Exposures: Novel In Utero Targets and Adverse Effects on Pregnancy**, Surendra Sharma, MD, PhD, Professor of Pediatrics, Brown University

**3:00-5:00 Poster Session C** (Roone Arledge lobby)

**6:00-8:00 Directors' Dinner**  
Restaurant location: Carmine's (Times Square)

**THURSDAY, NOVEMBER 5:**

**7:30-2:00 SRP RO1 Investigators' Workshop** -- *Remediation Effectiveness:  
Green & Sustainable Remediation, Bioavailability, and Risk Reduction*

Marriott Marquis Hotel, 16<sup>th</sup> Floor SkyLobby  
Agenda developed by Heather Henry, NIEHS

**7:30-8:00am Registration and Breakfast**

**8:00-8:30 Welcome and Purpose** (William Suk, Director, SRP; Heather Henry, SRP)

**8:30-8:50 Superfund's Green and Sustainable Remediation Principles – An Opportunity for SRP Research** (Michael Gill, Superfund Technical Liaison, US EPA/ORD)

**8:50-9:00 Discussion**

**9:00-9:20 Role of Bioavailability in Site Characterization and Risk Assessment** (Marc Greenberg, US EPA Superfund)

**9:20-9:30 Discussion**

**9:30-9:50 Challenges in Assessing Risk Reduction following Remediation** (Karl Gustavson, US ACE/ERDC, Contaminated Sediments Liaison to EPA)

**9:50-10:00 Discussion**

**10:00-10:15 Break**

**10:15-11:45 Breakout Groups:** Using discussion questions as a guide, groups of 10 – 12 participants will identify critical research needs, opportunities and roadblocks for the three focus areas:

- Green and Sustainable Remediation
- Bioavailability
- Risk Reduction

Groups will also use this time to organize discussion points and prioritize issues for report back to whole group.

**11:45-12:30 Lunch Break** (on own)

**12:30-2:00 Report Back:** Leaders report back from previous discussion, group identifies most critical gaps of knowledge and next steps.

**2:00 Adjourn**

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**8:00-2:00 SRP Annual Meeting: Research Translation & Outreach Sessions**

Marriott Marquis Hotel, Odets Room

Agenda developed by Meredith Golden, CIESIN

**8:00-8:15am Continental Breakfast**

**8:25-8:30 Welcome**

Meredith Golden, SRP RTC, Columbia University

Joseph Graziano, SRP, Columbia University

Beth Anderson, NIEHS SRP

**8:30-9:45 Session 1: Government Superfund Priorities and Needs**

a) Session Chair: Beth Anderson, NIEHS, SRP

b) Randall S. Wentzel, US EPA/ORD, Land Research Program

c) Sally Perreault Darney, US EPA/ORD, Human Health Research Program

d) Steve Jones ATSDR, Division of Regional Operations (DRO)

**9:45-11:00 Session 2: Fostering Active Partnerships among SRPs, EPA and ATSDR  
(NC July Workshop Follow-up)**

a) Session Chair: Kathleen Gray, SRP RTC, UNC-Chapel Hill

b) Jayne Michaud, US EPA OSWER OSRTI, Science Policy Branch

c) Ron Landy, US EPA ORD, Office of Science Policy (OSP), Regional Science Program

d) Deborah Burgin, ATSDR, Division of Regional Operations (DRO)

e) Maureen Avakian, MDB, Inc.

**11:00-11:15 Break**

**11:15-12:30 Session 3: Innovative Approaches for Outreach**

a) Session Chair: Lindell Ormsbee, SRP RTC, University of Kentucky

b) Laurie Rardin, SRP RTC, Dartmouth College

c) David Osterberg SRP RTC, University of Iowa

d) Suzanne Wells, US EPA OSRTI, Community Involvement and Program Initiatives Branch

e) Nigel Fields, US EPA ORD, National Center for Environmental Research

**12:30-1:45 Session 4: SF Site Remediation: Regional Priorities, Overcoming Impediments, Using SRP  
Science**

a) Session Chair: Steve Chillrud, SRP RTC, Columbia University

b) Dan Walsh, NYC Mayor's Office of Operations, Environmental Remediation

c) Marian Olsen, US EPA Region 2

d) Steve Jones, ATSDR, Division of Regional Operations (DRO)

e) Monica Ramirez, SRP RTC, University of Arizona

**1:45-2:00 Summary and Farewells**

**2:00 Adjourn**