Poster List by Long Term Goal

LTG 1: Health Effects and Exposure Posters

Poster #	Title	Presenter(s)
What are the physical/chemical attributes of PM that are associated with adverse health effects?		
LTG 1-01	Do different size fractions of PM cause different health effects?	Terry Gordon, NYU
LTG 1-02	What are the effects of ultrafine particles?	Gunter Oberdorster, Rochester PM Center
LTG 1-03	What are the effects of coarse particles?	Martha Carraway, ORD
LTG 1-04	What is the influence of different components on the health effects of PM?	Urmila Kodavanti, ORD
How and to what extent does air pollution cause adverse health effects?		
LTG 1-05	Does long term exposure to PM caused increased atherosclerosis?	Joel Kaufman, University of Washington
LTG 1-06	What are the physiological mechanisms by which PM affects the vascular system?	Rob Brook, University of Michigan
LTG 1-07	How does PM affect the nervous system?	Mike Kleinman, Southern California PM Center
LTG 1-08	Is Exposure to Ozone Associated with Increased Risk of Human Mortality?	Michelle L. Bell, Yale University
LTG 1-09	What novel approaches are being developed and applied to improve exposure characterization and risk estimates of air pollution health effects?	Tim Watkins/Lisa Baxter, ORD
LTG 1-10	How would PM cause adverse health effects through oxidative stress mechanisms?	Art Cho, Southern California PM Center
LTG 1-11	What are the underlying cellular and molecular mechanisms by which PM causes adverse health effects?	Jim Samet, ORD
Who is Susceptible to PM?		
LTG 1-12	How does pre-existing disease set the stage for unusual sensitivity to PM?	Aimen Faraj, ORD
LTG 1-13	How does PM affect people with asthma?	Dave Peden, University of North Carolina
LTG 1-14	How does PM affect people with Diabetes?	Mark Frampton, Rochester PM Center
LTG 1-15	How do genetic or epigenetic factors modify the response of individuals to PM?	Joel Schwartz, Harvard PM Center
Client Posters		
LTG 1-16	How ORD Air Research Supports OAR's Reviews of the National Ambient Air Quality Standards (NAAQS)	Lindsay Stanek, National Center for Environmental Assessment

LTG 1-17	Enhancing Scientific Interaction and Communication Between ORD and OAR for Ambient Air Quality Monitoring and Human Health Risk Research	Beth Hassett-Sipple, OAQPS
LTG 1-18	ORD Air Pollution Research Spurs Action to Protect Public Health	Susan Stone, OAQPS
LTG 1-19	Health Effects Institute: A Unique Model of Public-Private Partnership	Rashid Shaikh, Health Effects Institute

LTG 1: Air Quality Posters

Poster #	Title	Presenter(s)
What are the physical/chemical attributes of PM that are associated with adverse health effects?		
LTG 1-20	How is our evolving understanding of biogenic emissions helping to represent their role in multipollutant atmospheric chemistry?	Chris Geron, ORD
LTG 1-21	What is the significance of emissions from wildland and prescribed?	Tom Pierce, ORD
LTG 1-22	How do we quantify emissions of ammonia from agricultural and natural sources?	John Walker, ORD
LTG 1-23	How are source sampling and characterization techniques evolving to measure criteria and toxic air pollutants emitted from anthropogenic combustion sources?	Mike Hays, ORD
LTG 1-24	How can measurement and modeling tools be used to characterize and improve emission estimates?	Ted Russell, Georgia Institute of Technology
Ambient Measurements: Air Quality Characterization and Process Insights		
LTG 1-25	How does ambient measurement methods research support development and implementation of air quality regulations?	Bob Vanderpool, ORD
LTG 1-26	How have ambient measurements improved the understanding of secondary organic aerosol (SOA) formation?	John Offenberg, ORD
LTG 1-27	How can measurements and modeling be used to improve the understanding of mercury fate and transport?	Jesse Bash, ORD
LTG 1-28	How do coarse particles vary regionally and within specific locales?	Mike Hannigan, University of Colorado
Air Quality Modeling: Applications Driving Development and Evaluation		
LTG 1-29	How have atmospheric chemical kinetic mechanisms been expanded for multipollutant atmospheric modeling?	Deborah Luecken, ORD
LTG 1-30	How have PM model estimates improved with advances in aerosol process representations?	Prakash Bhave, ORD
LTG 1-31	How do new concepts of the formation of secondary organic aerosols improve our modeling of particulate matter?	Allen Robinson, Carnegie Mellon University
LTG 1-32	What is the role of atmospheric mixed-phase chemistry in multipollutant modeling?	Annmarie Carlton, ORD
LTG 1-33	How do we minimize meteorological model uncertainties for use in air quality modeling?	Jon Pleim, ORD

LTG 1-34	How do evaluation techniques establish the credibility of air quality model estimates of ambient pollution levels?	Ken Schere, ORD
Extending Applications of Air Quality Management Methods and Models		
LTG 1-35	How can air quality management tools be used to support ecosystem assessments?	Robin Dennis, ORD
LTG 1-36	How can air quality management tools be used to inform climate policy?	Chris Nolte, ORD
LTG 1-37	How can air quality management tools be used to improve exposure assessment?	Vlad Isakov, ORD
Client Posters		
LTG 1-38	How ORD Air Research Helps Inform the Multi-pollutant Review of a Secondary National Ambient Air Quality Standard (NAAQS) for Oxides of Nitrogen and Sulfur (NOx and SOx)	Anne Rea, OAQPS
LTG 1-39	Using ORD's Community Multiscale Air Quality (CMAQ) Model to Support Development of OAR Regulations and Air Quality Management	Norm Possiel, OAQPS
LTG 1-40	ORD Mobile Source Emissions Research Provides Data to Improve EPA Models and Regulatory Decision-Making	Rich Cook, OTAQ

LTG 2: Source to Health Outcomes/Multipollutant Posters

Poster #	Title	Presenter(s)
Linking Multipollutant Sources and Health Effects		
LTG 2-01	What impact do mobile sources have on near-road air quality and human exposures?	Rich Baldauf, ORD
LTG 2-02	What health effects result from exposures to mobile source related air pollutants?	Lucas Neas, ORD
LTG 2-03	What are the impacts of stationary and area sources of air pollution on air quality and human exposures?	Janet Burke, ORD
LTG 2-04	What health effects result from exposures to stationary and area sources of air pollutants?	Mike Madden, ORD
Atmospheric Transport and Transformation		
LTG 2-05	What effect does atmospheric chemistry/secondary transformations have on air quality and human health effects?	Mike Kleeman, UC Davis PM Center
LTG 2-06	How can simulated atmospheres be used to understand the impact of atmospheric processes on air quality and human health effects?	Petros Koutrakis, Harvard PM Center
LTG 2-07	How can source-receptor models be used to understand the relationship between sources and effects of multiple air pollutants?	Rachelle Duvall, ORD
Influence of Airshed on Multipollutant Air Quality and Health Effects		
LTG 2-08	How do health effects from exposure to air pollution vary in different cities?	Francesca Dominici, Hopkins PM Center
LTG 2-09	What impact do multiple sources have on an airshed?	Gary Norris, ORD
LTG 2-10	How effective are airshed/sector-specific regulatory actions?	Val Garcia, ORD
Assessing and Managing Multipollutant Exposures and Health Effects		
LTG 2-11	What are the combined effects of multiple pollutants (e.g. synergistic, additive, antagonistic)?	Kent Pinkerton, UC Davis PM Center
LTG 2-12	What are exposures to multiple pollutants in an airshed?	Ron Williams, ORD
LTG 2-13	What is the relative toxicity of air pollutants from multiple sources?	Tony Wexler, UC Davis PM Center
LTG 2-14	How can stationary source emissions be reduced using a multipollutant control strategy?	Nick Hutson, ORD
Client Posters		
LTG 2-15	ORD Air Research Supports OAR's Forward-looking Priorities	Scott Jenkins, OAQPS
LTG 2-16	ORD Air Research Support to the Office of Air and Radiation for Multi-scale and Multi-pollutant Measurements and Models of Traffic Emissions to Help Characterize Human Health Effects	Rich Cook, OTAQ