THOMAS L. PETTY  
ASPEN LUNG CONFERENCE  
60th Annual Meeting  
"Environment and Global Lung Health: Exposure, Susceptibility and Intervention"  
June 7-10, 2017

Tuesday, June 6, 2017 – Evening
5:00-7:00 PM Evening Registration Reception  
Gant Conference Center

Wednesday, June 7, 2017 – Morning
8:00-8:10 AM The Thomas L. Petty Aspen Lung Conference: A Historical Perspective  
Dennis E. Doherty, M.D., FCCP  
Professor of Medicine\University of Kentucky  
Secretary/Treasurer, National Lung Health Education Program

8:10-8:30 AM Welcome/Introduction  
Lisa A. Maier, M.D., MSPH, Chair  
Arnold R. Brody, Ph.D., Co-Chair  
David A. Schwartz, M.D., MPH, Co-Chair

Exposure Biology and the Susceptible Host: Moderator - David Schwartz, M.D., MPH

8:30-9:05 AM REUBEN M. CHERNIACK LECTURE  
“AIR POLLUTION AND THE SUSCEPTIBLE POPULATION”  
Joel D. Kaufman, M.D., MPH  
Interim Dean, University of Washington  
School of Public Health  
Professor of Medicine and Environmental and  
Occupational Health Sciences  
Seattle, Washington

9:05-9:30 AM Discussion

9:30-9:45 AM AIR POLLUTION AND SUBCLINICAL INTERSTITIAL LUNG DISEASE: THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS (MESA) AIR-LUNG STUDY.  
Cora Sack1*, S. Vedal1, L. Sheppard1, G. Raghu1, R. G. Barr2, A. Podolanczuk2, B. Doney3, E.A. Hoffman4, A. Gassett1, K. Hinckley-Stukovsky1, K. Williams1, S. Kawut5, D.J. Lederer2, J.D. Kaufman1, 1University of Washington; 2Columbia University Medical Center; 3National Institute for Occupational Safety and Health; 4University of Iowa; 5University of Pennsylvania.

9:45-10:00 AM EXPOSOMICS-BASED ANALYSIS OF ENVIRONMENTAL FACTORS ASSOCIATED WITH FEV1 AT 6 MONTHS POST LUNG TRANSPLANTATION.  
Michelle L. North1*, M. Ahmed2,3, S. Salehi2, K. Jayasinghe2, M. Tilak2, J. Wu2, C.-H. Jeong1, G.J. Evans1,4, C.-W. Chow1,2,3,4, 1Southern Ontario Centre for Atmospheric Aerosol Research, Department of Chemical Engineering and Applied Chemistry; 2Division of Respirology; 3Multi-Organ Transplant Program, University Health Network; 4Dalla Lana School of Public Health; University of Toronto, Toronto, ON, Canada.

10:00-10:30 AM Coffee Break (Refreshments for conference participants only)
Exposure Biology and the Susceptible Host: Moderator – Irina Petrache, M.D.

10:30-11:05 AM  ROGER S. MITCHELL LECTURE
“GLOBAL TOBACCO USE: OLD AND NEW PRODUCTS”
Ana Navas-Acien, M.D., MPH, Ph.D.
Professor of Environmental Health Sciences
Mailman School of Public Health
Columbia University
New York, New York

11:05-11:30 AM Discussion

11:30-11:45 AM INCREASING THE RESOLUTION OF COPD DEFINITION: LESSONS FROM A COHORT WITH REMOTE BUT LONGSTANDING EXPOSURE TO SECONDHAND TOBACCO SMOKE. Mehrdad Arjomandi*, S. Zeng, P. Blanc, W. Gold, University of California, San Francisco, CA.

11:45-12:00 Noon CIGARETTE SMOKE EXPOSURE ALTERS THE EPIGENETIC REGULATOR HMGN5 IN CHRONIC OBSTRUCTIVE LUNG DISEASES. T. M. Conlon¹, R. S. J. Sarker¹, G. Burgstaller¹, V. Gailus-Durner², H. Fuchs², M. Hrabě de Angelis², T. Furusawa³, M. Bustin³, O. Eickelberg¹,⁴, Ali Önder Yıldırım¹*, ¹Comprehensive Pneumology Center, Institute of Lung Biology and Disease, Helmholtz Zentrum München, Member of the German Center for Lung Research, Munich, Germany; ²German Mouse Clinic, Institute of Experimental Genetics, Helmholtz Zentrum München, Munich, Germany; ³Protein Section, Laboratory of Metabolism, Center for Cancer Research, NCI, National Institutes of Health, Bethesda, MD; ⁴Division of Respiratory Sciences and Critical Care Medicine, University of Colorado, Aurora, CO.

12:00-1:30 PM Lunch (lunch not provided by conference)
Wednesday, June 7, 2017 -- Afternoon

Epigenetics, Genetics, Genomics and Environment I: Moderator – Tasha Fingerlin, Ph.D.

1:30-2:05 PM STATE OF THE ART
Raphael Bueno, M.D.
Brigham and Women’s Lung Center/Harvard Medical School
“Genetics of Mesothelioma”

2:05-2:30 PM Discussion

2:30-2:45 PM ASBESTOS INDUCES EPIGENETIC REPRESSION OF RASSF1A, p16INK4A, AND p14ARF IN NORMAL HUMAN MESOTHELIAL CELLS. Sichuan Xi*, E.C. Payabyab, D.M. Straughan, E.S. Reardon, M. Zhang, J.A. Hong, R.T. Ripley, C.D. Hoang, D.S. Schrump, Thoracic Epigenetics Section, Thoracic and GI Oncology Branch, National Cancer Institute, Bethesda, MD.


3:00-3:30 PM ......Break (Refreshments for conference participants only)

Epigenetics, Genetics, Genomics and Environment I: Moderator – Alison Bauer, Ph.D.

3:30-4:05 PM STATE OF THE ART
Karl T. Kelsey, M.D.
Brown University
“Immunomethylomics: A Novel Cancer Risk Prediction Tool”

4:05-4:30 PM Discussion

4:30-4:45 PM EPIGENOMIC ALTERATIONS AND GENE EXPRESSION PROFILES IN HUMAN RESPIRATORY EPITHELIAL CELLS MEDIATED BY HOOKAH AND CIGARETTE SMOKE. Yin Xiong*, S. Xi, J. Shan, E. Hekimoglu, S.-H. Hsiao, M. Zhang, J.A. Hong, C. Tao, H. Chen, R.T. Ripley, C.D. Hoang, D.S. Schrump, Thoracic Epigenetics Section, Thoracic and GI Oncology Branch, National Cancer Institute, Bethesda, MD.

4:45-5:00 PM IL-17A IN THE PATHOGENESIS OF LUNG ADENOCARCINOMA. Z. Lin, C. Nguyen, B. Xu, E. Flemington, Gilbert Morris*, Department of Pathology, Tulane University Health Sciences Center and Tulane Cancer Center, New Orleans, LA.

5:00-7:00 PM POSTER VIEWING --- SOCIAL HOUR
Molecular Mechanisms of Exposure: Cancer, Fibrosis and Other Outcomes:  Moderator – Gregory Downey, M.D.

8:00-8:35 AM  STATE OF THE ART
Andrew P. Fontenot, M.D.
University of Colorado School of Medicine
“Metal Induced Toxicity”

8:35-9:00 AM  Discussion

9:00-9:15 AM  EFFECT OF WORLD TRADE CENTER DUST EXPOSURE AND CHRONIC INTERMITTENT HYPOXIA ON MACROPHAGE MMP-12 EXPRESSION IN MICE. Jared Radbel¹*, O. Le-Hoang¹, K.N. Vayas², K. Patel³, M. Goedken⁴, V.R. Sunil², D. Laskin², J. Sunderram¹, ¹Division of Pulmonary and Critical Care, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ; ²Department of Pharmacology and Toxicology, Rutgers University, Ernest Mario School of Pharmacy, Piscataway, NJ; ³Rutgers Robert Wood Johnson Medical School, Piscataway, NJ; ⁴Translational Sciences, Research Pathology Services, Rutgers University, Piscataway, NJ.

9:15-9:30 AM  AIR POLLUTION WITH FINE DUST EXPOSURE – PULMONARY VASCULATURE & THE RIGHT HEART. N. Durmus, Gabriele Grunig*, New York University School of Medicine, New York, NY.

9:30-10:00 AM  ......Coffee Break

Molecular Mechanisms of Exposure: Cancer, Fibrosis and Other Outcomes:  Moderator – David Riches, Ph.D.

10:00-10:35 AM  STATE OF THE ART
Rik Derynck, Ph.D.
University of California, San Francisco
“TGF-β Signaling and Its Implications for Disease”

10:35-11:00 AM  Discussion

11:00-11:15 AM  NICOTINE DOWNREGULATES THE COMPENSATORY ANGIOTENSIN-CONVERTING ENZYME-2/AT2R OF THE RENIN-ANGIOTENSIN SYSTEM. Xinping Yue*, J.D. Gardner, N.W. Gilpin, J. Xu, E. Lazartigues, Departments of Physiology and Pharmacology, Louisiana State University Health Sciences Center, New Orleans, LA.


12:00-3:00 PM  Picnic – T Lazy 7 - The Ranch (for conference participants and their family)
Global Health and Mechanisms of Disease: Moderator – Monica Kraft, M.D.

8:00-8:35 AM  STATE OF THE ART  
David Warburton, M.D.  
University of Southern California  
“Impact of Seasonal Extreme Air Pollution in Ulaanbaatar, The Capital of Mongolia, On Maternal and Child Health Across the Lifespan”

8:35-9:00 AM  Discussion  

9:00-9:15 AM  LOW-MODERATE ARSENIC EXPOSURE AND RESPIRATORY HEALTH IN AMERICAN INDIAN COMMUNITIES: THE STRONG HEART STUDY. Martha Powers1*, T. Sanchez2, F. Yeh3, A. Navas-Acien4, 1Johns Hopkins School of Public Health, Baltimore, MD; 2Columbia University School of Public Health, New York, NY; 3University of Oklahoma Health Sciences Center, Oklahoma City, OK; 4Columbia University School of Public Health, New York, NY.

9:15-9:30 AM  CYSTEINYL LEUKOTRIENE RECEPTOR 1 AND HEALTH EFFECTS OF PARTICULATE EXPOSURE IN ASTHMA. Nathan Rabinovitch1*, M.J. Jones2, M. Strand2, A.M. Morin2, A. Faino3, A. Singh2 M.S. Kobor2, C. Carlsten2, 1National Jewish Health, Denver, CO. 2University of British Columbia, Canada.

9:30-10:00 AM  ......Coffee Break  

MEET THE PROFESSOR SESSION (by Registration table)

Global Health and Mechanisms of Disease: Moderator – Arnold Brody, Ph.D.

10:00-10:35 AM  GILES F. FILLEY LECTURE  
"GENETICS AND GENOMICS OF RESPONSES TO NANOMATERIALS”  
Penny Nymark, Ph.D.  
Professor, Public Health Epidemiology  
Institute of Environmental Medicine – IMM  
Karolinska Institute  
Solna, Stockholm, Sweden

10:35-11:00 AM  Discussion  

11:00-11:15 AM  STAT1 REGULATES PULMONARY FIBROSIS IN MICE AFTER EXPOSURE TO MULTI-WALLED CARBON NANOTUBES THROUGH SUPPRESSION OF TGF-β1 PRODUCTION AND SIGNALING. Katherine S. Duke*, A.J. Taylor, M.D. Ihrie, K.A. Shipkowski, E.C. Needham, J.C. Bonner, Department of Biological Sciences, Toxicology Program, North Carolina State University, Raleigh, NC.

11:15-11:30 AM  DEPLOYMENT-RELATED LUNG DISEASE IS ASSOCIATED WITH ABNORMAL VENTILATION ON CARDIOPULMONARY EXERCISE TESTING AND INCREASED LUNG CLEARANCE INDEX SCORE. Silpa D. Krefft*, E. B. Gottschall, J. J. Smith, M. Strand, C. Rose, National Jewish Health, Denver, CO and University of Colorado School of Medicine, Aurora, CO.

11:30-1:30 PM  ......Lunch  
(lunch not provided by conference)
Friday, June 9, 2017 -- Afternoon

**Epigenetics, Genetics, Genomics and Environment II: Moderator – Oliver Eickelberg, M.D.**

1:30-2:05 PM  **STATE OF THE ART**
Max A. Seibold, Ph.D.
*National Jewish Health*

“Genomic Signatures of Environmental Exposure”

2:05-2:30 PM  **Discussion**

2:30-2:45 PM  **INHALED DIESEL EXHAUST ALTERS ALLERGEN INDUCED BRONCHIAL SECRETOME IN HUMANS.** N. Mookherjee¹, P. Ezzati¹, V. Spicer¹, C.F. Rider², J.A. Hirota², Christopher Carlsten²*, ¹Manitoba Centre for Proteomics and Systems Biology, University of Manitoba, Winnipeg, Canada; ²Air Pollution Exposure Laboratory, University of British Columbia, Vancouver, Canada.

2:45-3:00 PM  **EFFECTS OF CONTROLLED DIESEL EXHAUST AND ALLERGEN CO-EXPOSURE ON MIRNA AND GENE EXPRESSION IN HUMANS: MODULATION OF LUNG INFLAMMATORY MARKERS ASSOCIATED WITH ASTHMA.** Christopher F. Rider¹*, M. Yamamoto¹, O.P. Günther², A. Singh³, J.A. Hirota¹,³, S.J. Teb bur³, C. Carlsten¹,³, ¹Air Pollution Exposure Laboratory (APEL), Faculty of Medicine, UBC, Vancouver, Canada; ²Günther Analytics, Vancouver, Canada; ³James Hogg Research Centre for Heart Lung Innovation, St. Paul's Hospital, UBC, Vancouver, Canada.

3:00-3:30 PM  **Break (Refreshments for conference participants only)**

3:30-4:05 PM  **THOMAS A. NEFF LECTURE**
Rachel L. Miller, M.D., FAAAAI

“UNDERSTANDING ROOT CAUSES OF ASTHMA: PERINATAL EXPOSURES AND EPIGENETIC REGULATION”

Professor of Medicine (in Pediatrics) and Environmental Health Sciences

*Director, Pediatric Allergy, Immunology and Rheumatology*  
*Director, Allergy and Immunology Fellowship*  
*Columbia University Medical Center*  
*New York, New York*

4:05-4:30 PM  **Discussion**

4:30-4:45 PM  **HOME DAMPNESS AND MOLD ARE ASSOCIATED WITH SUSTAINED SPIKES IN PERSONAL PM₁₀ EXPOSURE IN EXACERBATION-PRONE ASTHMATIC CHILDREN.** Cullen M. Dutmer¹,²*, A.M. Schiltz¹,², K.L. Freeman¹,², M.J. Christie¹,², J.A. Cerna¹,², S.-H. Cho³, R.T. Chartier³, J.W. Thor burg³, K.L. Hamlington⁴, J.L. Crooks⁵,², T.E. Fingerlin⁵,², D.A. Schwartz², A.H. Liu¹,², ¹Children’s Hospital Colorado, Aurora, CO; ²University of Colorado School of Medicine, Aurora, CO; ³RTI International, RTP, NC; ⁴University of Vermont, Burlington, VT; ⁵National Jewish Health, Denver, CO.

4:45-5:00 PM  **CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND HERBICIDE EXPOSURE IN US VIETNAM ERA ARMY CHEMICAL CORPS VETERANS.** Yasmin S. Cypel¹*, S.E. Hines², V.J. Davey³, S.M. Eber¹, A.M. Kress¹, A.I. Schneiderman¹, ¹Epidemiology Program, Post-Deployment Health Services (10P4Q), Office of Patient Care Services, Veterans Health Administration (VHA); ²University of Maryland Faculty Physicians, Inc. Employee Health, The University of Maryland School of Medicine, Division of Occupational & Environmental Medicine, Division of Pulmonary Care and Critical Care Medicine; ³Office of Research and Development, VHA.

5:00-7:00 PM  **POSTER VIEWING – Wine and Cheese Reception**
Saturday, June 10, 2017 — Morning

Prevention and Intervention to Achieve Global Lung Health: Moderator – Lisa Maier, M.D., MSPH

8:00-8:35 AM PARKER B. FRANCIS LECTURESHIP
"INTERNATIONAL APPROACH TO ENVIRONMENT AND LUNG HEALTH"
Roger I. Glass, M.D., Ph.D.
Director, Fogarty International Center
National Institutes of Health
Bethesda, Maryland

8:35-9:00 AM Discussion

9:00-9:15 AM A META-ANALYSIS OF ARSENIC EXPOSURE AND LUNG FUNCTION: IS THERE EVIDENCE OF RESTRICTIVE LUNG DISEASE? Tiffany R. Sanchez1*, M. Powers2, M. Perzanowski1, C.M. George2, J.H. Graziano1, A. Navas-Acien1, 1Department of Environmental Health Sciences, Columbia University, New York, NY; 2Department of Environmental Health Sciences, Johns Hopkins University, Baltimore, MD; Department of International Health, Johns Hopkins University, Baltimore, MD.

9:15-9:30 AM EFFECTS OF HOUSEHOLD AIR POLLUTION IN MALAWI AND HIV STATUS ON RESPIRATORY SYMPTOMS AND INFLAMMATION, INJURY AND REPAIR SERUM MARKERS. Charles Kim1*, H. Jary2, K.S. Schweitzer3, D. Curran-Everett1,3, S. Gordon4, I. Petrache1,3, 1University of Colorado Denver, Anschutz Medical Campus, Aurora, CO; 2Wellcome Trust Tropical Centre, University of Liverpool, Liverpool, UK; 3National Jewish Health, Denver, CO; 4Liverpool School of Tropical Medicine, University of Liverpool, Liverpool, UK.

9:30-10:00 AM ......Coffee Break (Refreshments for conference participants only)
Saturday, June 10, 2017 – Morning

Prevention and Intervention to Achieve Global Lung Health: Moderator – Andrew Fontenot, M.D.

10:00-10:35 AM  MARVIN I. SCHWARZ LECTURE
"CLIMATE CHANGE AND IMPLICATIONS FOR PREVENTION"
John R. Balmes, M.D.
Professor of Environmental Health Sciences
Vice Division Head, Environmental Health Sciences
University of California, San Francisco
Berkeley School of Public Health
San Francisco, California

10:35-11:00 AM  Discussion

11:00-11:30 AM  EFFECT OF VITAMIN D3 ON THE ANTIMICROBIAL ACTIVITY OF HUMAN AIRWAY SURFACE LIQUID IN SMOKERS AND NON SMOKERS.  L.G.V. Buonfiglio, J. Noriega, M. Cano, A.A. Pezzulo, O.G. Vanegas Calderon, L. Powers, J. Zabner, X. Li, A.K. Gerke, Alejandro P. Comellas*, University of Iowa, Iowa City, IA.

11:15-11:30 AM  A PILOT STUDY ASSESSING THE ABILITY OF 5-AMINOSALICYLIC ACID TO MODULATE THE IMMUNE RESPONSE IN CHRONIC BERYLLIUM DISEASE.  Brian J. Day1,2,3,4,5*, J. Huang1, L. Li1,2, B.Q. Barkes1, M. Gillespie1, L.A. Maier1,2,4, 1Division of Environmental and Occupational Health Sciences, Hollis Laboratory, Department of Medicine, National Jewish Health, Denver, CO; Departments of 2Medicine, 3Immunology and Microbiology, 4Environmental Occupational Health, and 5Pharmaceutical Sciences, University of Colorado Anschutz Medical Campus, Aurora, CO.

11:30-12:30 PM  THOMAS L. PETTY LECTURE
and the CONFERECE SUMMARY
Jonathan M. Samet, M.D., M.S.
Distinguished Professor and Flora L. Thornton Chair
Department of Preventive Medicine
Keck School of Medicine of USC
Director, USC Institute for Global Health
University of Southern California
Los Angeles, California

12:30-1:00 PM  Discussion and Adjourn
THE SPECTRUM AND PREVALENCE OF REACTIONS TO MARIJUANA IN A COLORADO ALLERGY PRACTICE: CONCERNS BEYOND CANNABIS. William S. Silvers*, T.M. Bernard, Englewood, CO.

CIGARETTE SMOKE PREVALENT LOW MOLECULAR WEIGHT POLYCYCLIC AROMATIC HYDROCARBONS CAN ELICIT CO-CARCINOGENIC PROPERTIES. Alison K. Bauer1*, S. Plöttner2, K.J. Siegrist1, K. Velmurungan1, T. Brüning3, H. Käfferlein3, 1University of Colorado Anschutz Medical Campus, Aurora, CO; 2Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of the Ruhr-Universität Bochum (IPA), Bochum, Germany.

CIGARETTE SMOKE ENHANCES GROWTH AND METASTATIC POTENTIAL OF LUNG CANCER CELLS IN-VIVO. Elvin Hekimoglu1*, S. Xi, S.-H. Hsiao, Y. Xiong, E. Payabyab, M. Zhang, J.A. Hong, R.T. Ripley, C.D. Hoang, D.S. Schrump, Thoracic Epigenetics Section, Thoracic and GI Oncology Branch, National Cancer Institute, Bethesda, MD.

ASSESSING THE LONG-TERM IMPACT OF INTENSE SECONDHAND TOBACCO SMOKE EXPOSURE ON RESPIRATORY HEALTH. J.K. Zakrzesk, F. Diaz del Valle, H.W. Bell, R. William Vandivier*, Division of Pulmonary Sciences and Critical Care Medicine, University of Colorado Denver Anschutz Medical Campus, Aurora, CO.

ELECTRONIC CIGARETTES CAUSE DAMAGE TO THE LUNGS AND LUNG VASCULATURE. V. Reinikovaitė1, V. Karoor1, I.E. Rodríguez2, B.B. Trinh2, A.S. Rau2, F.W.-B. Deleyiannis2, Laima Taraseviciene-Stewart1*, 1Department of Medicine, Division of Pulmonary Sciences and Critical Care; 2Department of Surgery of the University of Colorado School of Medicine, Aurora, CO.

EFFECT OF E-CIGARETTE VAPOR EXPOSURE ON LUNG EPITHELIAL AND ENDOTHELIAL BARRIERS. Irina Petrache1*, S. Chung2, S.F. Salathe3, N. Baumlin2, K.S. Schweitzer1, M. Salathe.2 1Department of Medicine, National Jewish Health, University of Colorado, Denver, CO; 2University of Miami School of Medicine, Miami, FL.

BASAL AND INDUCED EXPRESSION OF ENDOGENOUS RETROVIRUSES IN LUNG CANCER CELLS. Julie A. Hong*, S. Xi, E. Hekimoglu, S.-H. Hsiao, Y. Xiong, M. Zhang, D.S. Schrump, Thoracic Epigenetics Section, Thoracic and GI Oncology Branch, National Cancer Institute, Bethesda, MD.

ASXL3 IS A NOVEL DRUGGABLE DRIVER IN SMALL CELL LUNG CANCER. Andrew Kaufman*, K. McLoughlin, M. Zhang, J.A. Hong, L. Gesumaria, H. Chen, V. Shukla, D.S. Schrump, Thoracic Epigenetics Section, Thoracic and GI Oncology Branch, National Cancer Institute, Bethesda, MD.

LUNG STROMAL MICROENVIRONMENT REMODELING EXPEDITES NSCLC METASTASIS. Shih-Hsin Hsiao*, S. Xi, E. Hekimoglu, M. Zhang, J.A. Hong, D.S. Schrump, Thoracic Epigenetics Section, Thoracic and GI Oncology Branch, National Cancer Institute, Bethesda, MD.
TESTING LEADING TO THE DIAGNOSIS OF IDIOPATHIC PULMONARY FIBROSIS IN MEDICARE PATIENTS. J. Mooney,1 E. Chang,2 D. Lalla,3 E. Papoyan,2 K. Raimundo,3 S.R. Reddy,2 J.L. Stauffer,3 J.T. Yan,2 M.S. Broder2,1 Stanford University School of Medicine, Stanford, CA; 2Partnership for Health Analytic Research, LLC, Beverly Hills, CA; 3Genentech, Inc., South San Francisco, CA. Presenting author: Jessica Castle*, Genentech/Submitted by HealthInteractions.

SAFETY OF THE COMBINED USE OF PIRFENIDONE AND NINTEDANIB IN PATIENTS WITH IDIOPATHIC PULMONARY FIBROSIS (IPF): RESULTS FROM AN INTERIM ANALYSIS AFTER 12 WEEKS. R. Sussman,1 A. Pesci,2 H. Nunes,3 O. Acosta,4 U. Petzinger,5 J.L. Stauffer,6 F. Gilberg,7 M. Bengus,3 L.H. Lancaster8 Atlantic Health System, Overlook Medical Center, NJ; 2Università degli Studi di Milano Bicocca, Monza, Italy; 3Hôpital Avicenne, Paris, France; 4Hospital Universitario de Canarias, San Cristóbal de La Laguna, Tenerife, Spain; 5Clinipace-Accovion GmbH, Eschborn, Germany; Genentech, Inc., South San Francisco, CA; 7Roche, Basel, Switzerland; 8Vanderbilt University, Nashville, TN. Presenting author: Jessica Castle*, Genentech/Submitted by HealthInteractions.

DOSE MODIFICATIONS AND DOSE INTENSITY DURING TREATMENT WITH PIRFENIDONE. S.D. Nathan1, L.H. Lancaster2, C. Albera3, M.K. Glassberg4, J.J. Swigris5, F. Gilberg6, K.-U. Kirchgässler6, U. Petzinger7, P.W. Noble8,1 Inova Fairfax Hospital, Falls Church, VA; 2Vanderbilt University Medical Center, Nashville, TN; 3University of Turin, Turin, Italy; 4University of Miami School of Medicine, Miami, FL; 5National Jewish Health, Denver, CO; 6F. Hoffmann-La Roche, Ltd., Basel, Switzerland; 7Accovion GmbH, Eschborn, Germany; Cedars-Sinai Medical Center, Los Angeles, CA. Presenting author: Jessica Castle*, Genentech/Submitted by HealthInteractions.

POSTER VIEWING – Wine and Cheese Reception

DIFFERENTIAL PULMONARY RESPONSES TO SECONDARY ORGANIC AEROSOL DUE TO ROUTE OF DELIVERY IN AN EXPERIMENTAL MODEL OF POLLUTANT EXPOSURE. S. Salehi1, W.(Dave) Guo1, D. Othman1, X. Wang1, S. Wang2, M.L. North2, J. Ye2, A. Chan2, Chung-Wai Chow1,2*, 1Department of Medicine, Faculty of Medicine; 2Department of Chemical Engineering and Applied Chemistry, Faculty of Applied Sciences and Engineering, University of Toronto, Toronto, ON, Canada.

DIESEL EXHAUST EXPOSURE DECREASES GLUCOCORTICOID RESPONSIVENESS IN HUMAN AIRWAY EPITHELIAL CELLS. C.F. Rider*, M.H. Ryu, A.D. Lee, C. Carlsten, Air Pollution Exposure Laboratory (APEL), Faculty of Medicine, UBC, Vancouver, Canada.


HOW MIGHT THE ENVIRONMENT OF AN ISLAND PARADISE PREDISPOSE TO NONTUBERCULOUS MYCOBACTERIAL LUNG DISEASE? Jennifer R. Honda1,4*, C.M. Glickman1,4, M.J. Williams2, B. Scott2, K.C. Malcolm4, S.T. Nelson2, E.D. Chan1,3,4, 1University of Colorado Anschutz Medical Campus, Aurora, CO; 2Brigham Young University, Provo, UT; 3Denver Veterans Affairs Medical Center, Denver, CO; 4National Jewish Health, Denver, CO.

POLYMORPHISM OF FCGR3A GENE IN CHRONIC BERYLLIUM DISEASE. Li Li1,2*, B. Liu1, H. Liu1, K. MacPhail1, N. Hamzeh1,2, L. Maier1,2, 1Division of Environmental and Occupational Health Sciences, Hollis Laboratory, Department of Medicine, National Jewish Health, Denver, CO; Departments of Medicine, Environmental Occupational Health, University of Colorado Anschutz Medical Campus, Aurora, CO.

EFFECT MODIFICATION OF WORK-RELATED BERYLLIUM EXPOSURE AND RISK OF BERYLLIUM HEALTH EFFECTS BY HLA-DPB1 E69 GENOTYPE. James Crooks1*, M. VanDyke1,2, P. Mroz1, L. Silveira1,2, C. Schuler1, E. McCanlies1, K. Rosenman1, M. Rossman1, C. Rice3, A. Weston2, A. Virji3, D. Monos4, T. Fingerlin1,2, L. Maier1,2, 1National Jewish Health, Denver, CO; 2University of Colorado, Aurora, CO; 3NIOSH, Morgantown, WV; 4Michigan State University, East Lansing, MI; 5University of Pennsylvania, Philadelphia, PA; 6University of Cincinnati, OH.

ASSOCIATIONS OF EXPOSURE TO DUST FROM TACONITE MINING AND PARENCHYMAL LUNG DISEASE. David Perlman*, N. Odo, C. Lambert, J. Mandel, University of Minnesota School of Public Health and University of Minnesota Medical School, Minneapolis, MN.
PLEURAL ABNORMALITIES AND EXPOSURE TO ELONGATE MINERAL PARTICLES IN MINNESOTA TACONITE WORKERS. C. Lambert, J.H. Mandel, N. Odo, A. Ryan, B.H. Alexander, R.F. MacLehose, David Perlman*, University of Minnesota School of Public Health and University of Minnesota Medical School, Minneapolis, MN.

EFFECT OF ILOPROST ON DYSFUNCTIONAL AIRWAY PROGENITORS AND BRONCHIAL DYSPLASIA: A STEP TOWARDS PERSONALIZED CHEMOPREVENTION. A.E. Brantley1, J. Kim2, J.B. Kwon1, D.T. Merrick3, R.L. Keith4, Y.E. Miller4, Moumita Ghosh1*, 1Department of Medicine, National Jewish Health, Denver, CO; Departments of 2Molecular Oncology and 3Pathology, University of Colorado Denver, Aurora, CO; 4Denver Veteran Affairs Medical Center, Denver, CO.

EFFECT OF PIRFENIDONE ON ALL-CAUSE MORTALITY (ACM) AND FORCED VITAL CAPACITY (FVC) IN IDIOPATHIC PULMONARY FIBROSIS (IPF) PATIENTS WITH LOW FVC AND/OR LOW DLCO: ANALYSIS OF POOLED DATA FROM ASCEND AND CAPACITY. S.D. Nathan1, U. Costabel2, C. Albera3, K.-U. Kirchgässler4, W. Chou5, P.W. Noble6, 1Inova Fairfax Hospital, Falls Church, VA; 2Ruhrlandklinik, University of Duisburg-Essen, Essen, Germany; 3University of Turin, Turin, Italy; 4F. Hoffmann-La Roche, Ltd., Basel, Switzerland; 5Genentech, Inc., South San Francisco, CA; 6Cedars-Sinai Medical Center, Los Angeles, CA. Presenting author: Jessica Castle*, Genentech/ Submitted by HealthInteractions.

PIRFENIDONE IN PATIENTS AGED 80 YEARS AND OLDER WITH IDIOPATHIC PULMONARY FIBROSIS (IPF): SAFETY FINDINGS FROM POOLED TRIAL DATABASES. L.H. Lancaster1, L. Morrison2, A. Auais3, B. Trzaskoma3, S. Limb3, B. Polman3, K.R. Flaherty4, 1Vanderbilt University, Nashville, TN; 2Duke University, Durham, NC; 3Genentech, Inc., South San Francisco, CA; 4University of Michigan, Ann Arbor, MI. Presenting author: Jessica Castle*, Genentech/ Submitted by HealthInteractions.

RELATION BETWEEN BRONCHIAL ASTHMA AND PARASITIC (NEMATODES) INFECTION IN EGYPTIAN CHILDREN. Y. Mohammed*1, M. Shaheen2, M. Zidan2, H. Gharraf2, A. Abd elftah2, 1Alexandria Police Hospital, Alexandria, Egypt; 2Chest Department, Alexandria University, Alexandria, Egypt; 3Medical Research Institute, Alexandria, Egypt.