Tuesday, June 7, 2011 -- Evening

5:00-7:00 PM  Evening Registration -- Wine and Cheese Reception  Gant Conference Center

Wednesday, June 8, 2011 -- Morning

8:00-8:05 AM  Introduction/Welcome  Rubin M. Tuder, M.D., Co-Chair York E. Miller, M.D., Co-Chair Jeffrey A. Kern, M.D., Co-Chair

8:05-8:30 AM  Brief History of COPD  Bartolome Celli, M.D.

Moderator:  Mark W. Geraci, M.D.

8:30-9:05 AM  STATE OF THE ART
“Genetics and Epidemiology of Cigarette Smoke-Induced Lung Disease”  Ann G. Schwartz, Ph.D., M.P.H.
Karmanos Cancer Institute
Wayne State University School of Medicine

9:05-9:30 AM  Discussion

9:30-9:45 AM  MULTI-GENE TEST ASSOCIATED WITH COPD RISK.  J.C. Willey*, T. Blomquist, E. Crawford, J. Hammersley, D. Olson, Y. Yoon, B., Austermiller, N. Lazaridis. University of Toledo, Toledo, OH, and Gene Express, Inc., Wilmington, SC.

9:45-10:00 AM  VARIATION IN NF-KB PATHWAY GENES AND RISK OF LUNG CANCER.  B. Diergaarde*1, Y. Du1, S. Buch2, M. Romkes2, P. Hershberger3, J. Weissfeld1, and J. Siegfried3. University of Pittsburgh Cancer Institute and; 1Department of Epidemiology, University of Pittsburgh Graduate School of Public Health; 2Center for Clinical Pharmacology, University of Pittsburgh School of Medicine; 3Department of Pharmacology and Chemical Biology, University of Pittsburgh School of Medicine.

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

10:30-11:05 AM  STATE OF THE ART
“Airway Progenitor Cells in COPD and Lung Cancer”  Susan D. Reynolds, Ph.D.
National Jewish Health

11:05-11:30 AM  Discussion


11:45-12:00  NTCU INDUCES PRE-MALIGNANT SQUAMOUS DYSPLASIA IN MICE.  T.M. Hudish¹, L.I. Opincariu¹, A.B. Mozer¹, M.S. Johnson¹, T.G. Cleaver², S.P. Malkoski³, D.T. Merrick¹, and R.L. Keith¹,²*. ¹Denver Veterans Affairs Medical Center, Denver, CO; ²University of Colorado Denver, Department of Medicine, Aurora, CO.

12:00-1:30 PM  ......Lunch
Wednesday, June 8, 2011 -- Afternoon

Moderator: Wilbur A. Franklin, M.D.

1:30-2:05 PM  GILES F. FILLEY LECTURE
"EARLY MOLECULAR PATHOGENESIS OF LUNG ADENOCARCINOMA"
Ignacio I. Wistuba, M.D.
Professor, Departments of Pathology and Thoracic/Head and Neck Medical Oncology
University of Texas MD Anderson Cancer Center
Houston, Texas

2:05-2:30 PM  Discussion

2:30-2:45 PM  TRANSFORMING GROWTH FACTOR BETA RECEPTOR TYPE II DELETION INCREASES THE MULTIPLICITY AND GROWTH OF K-RAS INDUCED LUNG CANCER.  T.G. Cleaver¹, S.M. Haeger¹, K.J. Rodriguez¹, J.G. Lighthall², S.L. Lu², D. Merrick³, X.J. Wang³, S.P. Malkoski¹,²*, ¹Division of Pulmonary Sciences and Critical Care Medicine, ²Department of Pathology, University of Colorado Denver, Aurora, CO; ³Department of Pathology, Denver Veterans Affairs Medical Center, Denver, CO; ⁴Department of Pathology, University of Colorado Denver, Aurora, CO; ⁵Department of Otolaryngology, Oregon Health & Sciences University, Portland, OR.

2:45-3:00 PM  A SINGLE NUCLEOTIDE POLYMORPHISM IN MICRORNA 146A IS ASSOCIATED WITH COPD AND LUNG FUNCTION.  T. LeVan¹,²*, Z. Weiler¹, A. Nelson¹, X. Liu¹, K.C. Muller³, H. Magnussen³, K.F. Rabe³, S. Rennard¹.  Pulmonary, Critical Care, Sleep and Allergy Medicine Division¹, Department of Internal Medicine and Department of Epidemiology², University of Nebraska Medical Center, Omaha, NE; Grosshansdorf Hospital, Germany.

3:00-3:30 PM  ......Break

3:30-4:05 PM  THOMAS A. NEFF LECTURE
"SYSTEMIC INFLAMMATION AND COPD CORMOBIDITIES"
Professor Alvar G.N. Augusti, M.D., Ph.D.
Senior Consultant and Director
Institut del Tòrax, Hospital Clinic
Barcelona, Spain

4:05-4:25 PM  Discussion

4:25-4:40 PM  CIGARETTE SMOKE PROMOTES DENDRITIC CELL ACCUMULATION AND SURVIVAL IN COPD.  R. Vassallo, P.R. Walters, J. Lamont, T.J. Kottom, E.S. Yi, and A.H. Limper*.  Thoracic Diseases Research Unit.  Pulmonary and Critical Care, Mayo Clinic College of Medicine.  Rochester, MN.

4:40-4:55 PM  CHRONIC INFLAMMATION IN PATHOGENESIS OF COPD AND LUNG CANCER.  R. Birru, B. Kahkonon, and Y.P. Di*.  Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA.

5:00 PM  POSTER VIEWING --- SOCIAL HOUR
Thursday, June 9, 2011 – Morning

Moderator: Robert Winn, M.D.

8:00-8:35 AM  STATE OF THE ART  “Oxidative Stress in the COPD Cancer Continuum”  Shyam Biswal, Ph.D., M.S.  Johns Hopkins Bloomberg School of Public Health

8:35-9:00 AM  Discussion

9:00-9:15 AM  EXPRESSION OF NRF2-MODULATED GENES IN RESPONSE TO CIGARETTE SMOKE.  B. Kosmider*, E. Messier, H. Wei Chu, R.J. Mason. National Jewish Health, Denver, CO.


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

10:00-10:35 AM  STATE OF THE ART  “Chemoprevention of Lung Cancer”  Robert L. Keith, M.D.  Denver Veterans Administration Medical Center  University of Colorado School of Medicine

10:35-11:00 AM  Discussion

11:00-11:15 AM  CIGARETTE SMOKE SUPPRESSES PPARγ EXPRESSION AND ACTIVATION IN MURINE PULMONARY EPITHELIAL CELLS.  S.M. Wells*, J. Weigel and E.B. Klein. Department of Environmental, Agricultural & Occupational Health, College of Public Health, University of Nebraska Medical Center.

11:15-11:30 AM  RISK FACTORS FOR THE DEVELOPMENT OF LUNG CANCER IN THE COPD GENE COHORT.  L. Carr¹, D. Lynch², E. Regan¹, J. Kern¹, J. Hokanson³, C. Wilson¹, J. Crapo¹, and R. Bowler¹ for the COPD Gene Investigators*. ¹Department of Medicine¹ and Radiology², NJH and Department Epidemiology UCD³, Denver, Colorado.

12:30 PM  Picnic at East Maroon Bells Portal
Friday, June 10, 2011 -- Morning

Moderator: William Vandiver, M.D.

8:00-8:35 AM PARKER B. FRANCIS LECTURESHIP
"NOVEL PATHWAYS OF RESPIRATORY INJURY, REPAIR AND NEOPLASIA"
Jack A. Elias, M.D.
Waldemar Von Zedtwitz Professor of Medicine
Professor of Immunobiology
Chair, Department of Internal Medicine
Yale University School of Medicine
New Haven, Connecticut

8:35-9:00 AM Discussion

9:00-9:15 AM MECHANISMS OF HOST DEFENSE DURING AIRWAY MUCUS OBSTRUCTION IN Sccn1b TRANSGENIC MICE, A MOUSE MODEL OF COPD. A. Livraghi-Butrico, E.A. Duncan, Y. Saini, H. Dang, C.M. Doerschuk, W.K. O’Neal, and R.C. Boucher. Cystic Fibrosis - Pulmonary Research and Treatment Center and the Center for Airways Disease, University of North Carolina, Chapel Hill, NC.

9:15-9:30 AM LUNG LAMININ (LM)-332 DEFICIENCY ENHANCES ENGRAFTMENT OF TUMOR CELLS INTO THE LUNG BUT RETARDS TUMOR CELL GROWTH. T.L. Adair-Kirk1, M.J. Meyer1, E.N. Smith2, D.R. Piwnica-Worms2, and R.M. Senior1. Departments of Medicine1 and Radiology2 at Washington University School of Medicine, St. Louis, MO.

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

10:00-10:35 AM STATE OF THE ART
“Cellular Senescence and Lung Disease: A Potential Link Between Environment, Aging and Cancer”
Judith Campisi, Ph.D.
The Buck Institute for Research on Aging
Lawrence Berkeley National Laboratory

10:35-11:00 AM Discussion

11:00-11:15AM TELOMERE LENGTH IS A DETERMINANT OF EMPHYSEMA SUSCEPTIBILITY. J.K. Alder1,2, N. Guo1, F. Knougni1, C.J. Anderson1, A.I. Gorgy1, S. Biswal3,4, W. Mitzner1, R.M. Tudor5, and M. Armanios1,2*. Departments of Oncology1 and Sidney Kimmel Comprehensive Cancer Center2, Johns Hopkins School of Medicine; Department of Environmental Health Sciences4, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD; Division of Pulmonary Sciences and Critical Care Medicine5, University of Colorado School of Medicine, Aurora, CO.

11:15-11:3AM ALVEOLAR HYPOXIA PROMOTES LUNG TUMOR GROWTH THROUGH A VEGFR-2 DEPENDENT MECHANISM. V. Karoor1,4, M. Le3, D. Merrick2,3,4, K.A. Fagan3, E.C. Dempsey1,3,4, and Y.E. Miller1,3,4*. 1Department of Medicine, University of Colorado Denver, Denver, CO. 2Department of Pathology, University of Colorado Denver, Denver, CO. 3Department of Veterans Affairs Medical Center, Denver, CO. 4University of Colorado Cancer Center, Denver, CO. 5Departments of Medicine and Pharmacology, University of South Alabama, Mobile, AL.

11:30-1:30 PM ......Lunch
Friday, June 10, 2011 -- Afternoon

Moderator: Russell Bowler, M.D., Ph.D.

1:30-2:05 PM  REUBEN M. CHERNIACK LECTURE
"EPIGENETICS OF CIGARETTE SMOKE INDUCED LUNG DISEASE"
Stephen B. Baylin, M.D.
Professor of Oncology
Deputy Director, Johns Hopkins Sidney Kimmel Cancer Center
The Johns Hopkins University
Baltimore, Maryland

2:05-2:30 PM  Discussion

2:30-2:45 PM  VARIABLE DNA METHYLATION IS ASSOCIATED WITH LOW LUNG FUNCTION AND COPD AND INCLUDES A SUBSET OF TUMOR SUPPRESSOR GENES AND ONCOGENES. W. Qiu1,2, B. Klanderman1,2, D.A. Lomas3, S.I. Rennard4, A. Agusti5, E.K. Silverman1,2, D.L. DeMeo1,2*. 1Channing Laboratory, Brigham and Women’s Hospital, USA, 2Harvard Medical School, USA; 3Cambridge Institute for Medical Research, UK; 4University of Nebraska Medical Center, USA; 5Hospital Universitari Son Duerta, ESPAÑA.

2:45-3:00 PM  PROMOTER HYPERMETHYLATION LEADS TO LOSS OF WNT7A IN NSCLC. M.A. Tennis*, M. VanScoyk, S. Freeman, R.A. Winn, University of Colorado School of Medicine, Denver, CO.

3:00-3:30 PM  ......Break

3:30-4:05 PM  STATE OF THE ART
“Endogenous Modifiers of Cigarette Smoke Induced Lung Disease” A. McGarry Houghton, M.D.
University of Pittsburgh

4:05-4:30 PM  Discussion

4:30-4:45 PM  THE EFFECT OF TOLL-LIKE RECEPTOR 4 DEFICIENCY ON EMPHYSEMA IN SMOKERS. S.W. Lee1*, J.Y Oh2, 1Department of Internal Medicine, Seoul National University Bundang Hospital and 2Department of Internal Medicine, Donkuk University Ilsan Hospital, Republic of Korea.

4:45-5:00 PM  SMOKING ALTERED DNA METHYLATION IN ALVEOLAR MACROPHAGES CORRELATES WITH GENE EXPRESSION. R. Sears, L.S. Powers, A. Gerke, T.J. Gross, R.A. Philibert, and M.M. Monick*. University of Iowa, Carver College of Medicine, Iowa City, IA.

5:00 PM  POSTER SESSION—Wine and Cheese Reception
Saturday, June 11, 2011 -- Morning

Moderator: Richard Martin, M.D.

8:00-8:35 AM  
ROGER S. MITCHELL LECTURE
“EQUILIBRIA OF HUMANS AND OUR INDIGENOUS MICROBIOTA AFFECTING INFLAMMATION AND NEOPLASIA”
Martin J. Blaser, M.D.
Frederick H. King Professor of Internal Medicine
Chair, Department of Medicine
Professor of Microbiology
New York University Langone Medical Center
New York New York

8:35-9:00 AM  Discussion

9:00-9:15 AM  INTERLEUKIN-15 AND INFLUENZA VIRUS INFECTION IN MOUSE MODEL OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE. C.S. Dela Cruz*, M.J. Kang, W. Liu, C.G. Lee, and J.A. Elias, M.D. Pulmonary and Critical Care Medicine, Yale University School of Medicine, New Haven CT.

9:15-9:30 AM  ALTERED NK CELL FUNCTION IN COPD: IMPLICATIONS FOR TUMOR SURVEILLANCE. M.T. Borchers* and M. Orozco-Levi. 1University of Cincinnati Medical Center, Cincinnati, OH. 2Group of Research on Injury, Immune Response, and Lung Function, Institut Municipal d’Investigació Mèdica (IMIM), Barcelona, Spain.

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

10:00-10:35 AM  STATE OF THE ART
“New Approaches to Targeted Therapy”
William Pao, M.D., Ph.D.
Vanderbilt-Ingram Cancer Center

10:35-11:00 AM  Discussion

11:00-11:15AM  DISCOVERY OF LUNG CANCER BIOMARKERS BY PROFILING THE PLASMA PROTEOME WITH NASCENT MONOCLONAL ANTIBODY LIBRARIES. M. Guergova-Kuras1, I. Kurucz2, W. Hempel1, N. Tardieu1, J. Kádas3, C. Malderez-Bloes1, A. Jullien1, Y. Kieffer1, M. Hincapie4, A. Gutman4, E. Csánky5, B. Dezső6, B.L. Karger3, and L. Takács*1,2. 1Biosystems International SAS, Evry, France. 2Biosystems International Kft., Debrecen, Hungary. 3Barnett Institute and Department of Chemistry and Chemical Biology, Northeastern University, Boston Massachusetts. 4Department of Pulmonology, Medical and Healthcare Center of University Debrecen, Hungary. 5Department of Pathology & Oral Pathology, Medical & Health Science Center & Faculty of Dentistry of University Debrecen, Hungary.

11:15-11:30 AM  NICOTINE-INDUCED FIBRONECTIN EXPRESSION MIGHT REPRESENT A COMMON MECHANISM BY WHICH TOBACCO PROMOTES LUNG CANCER PROGRESSION AND THE DEVELOPMENT OF OBSTRUCTIVE AIRWAYS DISEASE. J. Roman*, Pulmonary, Critical Care & Sleep Disorders, University of Louisville and Louisville VAMC.

11:30-12:30 AM  CONFERENCE SUMMARY
Bartolome R. Celli, M.D.
Professor of Medicine
Division of Pulmonary and Critical Care Medicine
Harvard University/Brigham Women’s Hospital
Boston, Massachusetts

12:30 PM  Discussion and Adjourn
POSTER VIEWING -- SOCIAL HOUR
Wednesday, June 8, 2011
5:00-7:00 PM

POSTERS


LUNG CANCER INCIDENCE IN THE BODE COHORT: COMPARISON WITH OTHER STUDIES. J.P. de Torres*, J. Marin, C. Casanova, J. Zulueta, C. Cote, B. Celli. Clínica Universidades de Navarra, Hospital Miguel Servet, Hospital Ntra Sra de Candelaria, BayPines VAMC, Brigham and Women’s Hospital, Boston, MA.

NEUTROPHILIC INFLAMMATION IN MICE EXPOSED TO THE COMBINATION OF CIGARETTE SMOKE AND ASBESTOS. G.F. Morris*, J. F. Guenther1,2, Y. Wang, D.E. Sullivan2, and B. Shan1. Program in Lung Biology, Departments of Pathology, 1Medicine, & 2Microbiology, Tulane University School of Medicine, New Orleans, LA.


A POTENTIAL PATHOGENIC MECHANISM IN THE DEVELOPMENT OF COPD AND LUNG CANCER: ROLE OF MiR-146a. X. Liu*, A.J. Nelson1, M.L. Toews2, S.I. Rennard1. 1Pulmonary, Critical Care, Sleep and Allergy Division, Department of Internal Medicine, 2Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE.

SURGICAL CHALLENGE FOR LUNG CANCER PATIENTS WITH COPD. Y. Sekine1*, H. Katsura., 1E. Ko. Department of Thoracic Surgery1 and Pulmonary Medicine2. Tokyo Women’s Medical University Yachiyo Medical Center, Chiba, Japan.

THE ROLE OF KSRP IN NON-SMALL CELL LUNG CANCER. L.A. Wilson*, M. VanScoyk, M. Tennis, S. Freeman, N. Kelley, R. Winn, Division of Pulmonary Sciences and Critical Care Medicine, University of Colorado School of Medicine, Denver, CO.

THE ROLE OF WNT SIGNALING AS A POTENTIAL THERAPEUTIC IN LUNG CANCER STEM CELLS. M. VanScoyk*, S. Freeman, N. Kelley, R.A. Winn, Veterans Administration Medical Center, Denver, Denver, CO, University of Colorado SOM, Aurora, CO.

CD146 IN THE PATHOGENESIS OF COPD. A. Kratzer*, J. Salys, H.W. Chu, M. Zamora, and L. Taraseviciene-Stewart, University of Colorado Denver, Department of Medicine, Denver, CO.

SOMATOSTATIN RECEPTOR ACTIVATION INHIBITS SMALL CELL LUNG CANCER PROLIFERATION. C. Callison*, M. Rezzak2, M. Hassanein13, Pierre P. Massion12,3. Division of Allergy, Pulmonary and Critical Care Medicine1, Vanderbilt University, Vanderbilt-Ingram Comprehensive Cancer Center2 and Veterans Affairs Medical Center3, Nashville, TN.