Tuesday, June 7, 2016 -- Evening

5:00-7:00 PM Evening Registration Reception

Gant Conference Center

Wednesday, June 8, 2016 -- Morning

8:00-8:30 AM Introduction

Martin R. Zamora, M.D., Chair
Tereza Martinu, M.D., Co-Chair
Mark R. Nicolls, M.D., Co-Chair

Reperfusion Injury, Lung Reconditioning: Session Chair-

8:30-9:05 AM ROGER S. MITCHELL LECTURE

“EX-VIVO LUNG PERFUSION: A PLATFORM FOR ORGAN REPAIR, RECONDITIONING AND RESEARCH”

Shaf Keshavjee, M.D., M.Sc.
Professor, Division of Thoracic Surgery
Director, Toronto Lung Transplant Program
Toronto General Hospital
Toronto, Ontario, Canada

9:05-9:30 AM Discussion

9:30-9:45 AM ASSESSMENT OF LUNGS FOR TRANSPLANT RECOVERED FROM UNCONTROLLED DONATION AFTER CIRCULATORY DETERMINATION OF DEATH DONORS (uDCDDs).

Thomas Egan1*, J. Blackwell1, K. Birchard1, B. Haithcock1, J. Long1, S. Gazda1, N. Casey2, C. Thys2, 1University of North Carolina at Chapel Hill, NC; 2Carolina Donor Services, Durham, NC.

9:45-10:00 AM SINGLE CENTER RESULTS WITH NORMOTHERMIC EX VIVO LUNG PERFUSION: A PROPENSITY MATCHED ANALYSIS.


10:00-10:30 AM Coffee Break (for conference participants)
STATE OF THE ART
Mark N. Gillespie, Ph.D.
University of South Alabama
“Mitochondrial DNA: A Sentinel Molecule in Oxidant Injury”

Discussion

FORMYL PEPTIDE RECEPTOR 1 PROMOTES PRIMARY GRAFT DYSFUNCTION IN A MOUSE MODEL OF ORTHOTOPIC LUNG TRANSPLANTATION. Davide Scozzi1*, X. Lin1, X.-A. Wang1, M. Ibrahim1, H.-M. Hsiao1, A.S. Krupnick1,2, D. Kreisel1,2, A.E. Gelman1,2, 1Departments of Surgery, Washington University School of Medicine, St. Louis, MO; 2Pathology and Immunology, Washington University School of Medicine, St. Louis, MO.

ONSET OF INFLAMMATION WITH ISCHEMIA: IMPLICATIONS FOR DONOR LUNG PRESERVATION AND TRANSPLANT SURVIVAL. J.-Q. Tao1, E.M. Sorokina1, J. Vasquez Medina1, M.K. Mishra2, Y. Yamada3, J. Satalin4, G.F. Nieman4, J.R. Nellen5, B. Beduhn5, E. Cantu5, N.M. Habashi6, W. Jungraithmayr3, J.D. Christie5,7, Shampa Chatterjee1*, 1Institute for Environmental Medicine and Department of Physiology, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA; 2Department of Physiology, Pennsylvania Muscle Institute, University of Pennsylvania School of Medicine, Philadelphia, PA; 3Division of Thoracic Surgery, University Hospital Zurich, Zurich, Switzerland; 4Department of Surgery, SUNY Upstate Medical University, Syracuse, NY; 5Cardiovascular Surgery Division, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA; 6Surgical Critical Care, University of Maryland Medical Center, Baltimore, MD; 7Pulmonary Allergy and Critical Care Division, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA.

Lunch (lunch not provided by conference)
Wednesday, June 8, 2016 -- Afternoon

Reperfusion Injury and Clinical Primary Graft Dysfunction: Session Chair –

1:30-2:05 PM  STATE OF THE ART
Daniel Kreisel, M.D., Ph.D.
Washington University
“Mechanisms of Injury and Immune Regulation in Acute Allograft Rejection”

2:05-2:30 PM  Discussion

2:30-2:45 PM  LUNG DONORS WITH HEAVY ALCOHOL USE HAVE ALTERED SYSTEMIC AND AIRWAY INFLAMMATION. Erin Lowery1*, M. Young1, A. Cohen1, L. Ramirez1, E. Burnham2, E. Kovacs1, 1Loyola University Chicago, Health Science Division, Maywood, IL; 2University of Colorado, Denver, Aurora, CO.

2:45-3:00 PM  CELL-FREE HEMOGLOBIN-MEDIATED INCREASES IN VASCULAR PERMEABILITY: A NOVEL MECHANISM OF PRIMARY GRAFT DYSFUNCTION AND NEW THERAPEUTIC TARGET. Ciara M. Shaver*, N. Wickersham, J.B. McNeil, H. Nagata, G. Sills, J.L. Kuck, D.R. Janz, J.A. Bastarache, L.B. Ware, Division of Allergy, Pulmonary, and Critical Care Medicine, Vanderbilt University Medical Center, Nashville, TN.

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

3:30-4:05 PM  THOMAS A. NEFF LECTURE
"PRIMARY GRAFT DYSFUNCTION PHENOTYPING: GENOMICS, TRANSCRIPTOMICS AND PROTEOMICS”
Jason D. Christie, M.D., MSCE
Professor of Medicine
Division of Pulmonary and Critical Care Medicine
Hospital of the University of Pennsylvania
Center for Clinical Epidemiology and Biostatistics
Philadelphia, Pennsylvania

4:05-4:30 PM  Discussion

4:30-4:45 PM  ISCHEMIA REPERFUSION-INDUCED GENETIC EXPRESSION PROFILES IN THE HUMAN LUNG. Bo Kim*1, L. Johnston1, J.T. Magruder2, J.C. Grimm2, C. Talbot1, R.S. Stephens1, R.L. Damico1, P.M. Hassoun1, A.S. Shah2, 1Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD; 2Division of Cardiac Surgery, Johns Hopkins University School of Medicine, Baltimore, MD; 3Division of Basic Biomedical Sciences, Johns Hopkins University School of Medicine, Baltimore, MD; 4Department of Anesthesiology, Johns Hopkins University School of Medicine, Baltimore, MD

4:45-5:00 PM  EX VIVO REPAIR OF ISCHEMIA-INJURED DONOR PIG LUNGS USING CELL-BASED THERAPY WITH MESENCHYMAL STEM CELLS. *Daisuke Nakajima1, P. Mordant1, R. K. Iyer2, J.E. Davies3, M. Cypel1, M. Liu1, T.K. Waddell1, S. Keshavje1, 1Latner Thoracic Surgery Research Laboratories, Toronto General Research Institute, University Health Network, University of Toronto, Toronto, Ontario, Canada; 2Tissue Regeneration Therapeutics Inc, Toronto, ON, Canada.

5:00-7:00 PM  POSTER VIEWING --- SOCIAL HOUR
Thursday, June 9, 2016 -- Morning

**Allo and Autoimmunity in Allograft Rejection: Session Chair -**

**8:00-8:40 AM**  
**THOMAS L. PETTY LECTURE**  
*Introduction by Dennis E. Doherty, M.D., FCCP*

Secretary/Treasurer-National Lung Health Education Program  
Professor of Medicine  
Lexington VAMC/University of Kentucky  
Lexington, Kentucky

"THE ROLE OF VASCULAR INJURY IN CHRONIC ALLOGRAFT REJECTION"

Jordan Stuart Pober, M.D., Ph.D.  
Bayer Professor of Translational Medicine  
Director, Human and Translational Immunology Program  
Vice-Chair, Department of Immunobiology for the Section  
of Human and Translational Immunology  
Yale University School of Medicine  
New Haven, Connecticut

[Sponsored by the National Lung Health Education Program]

**8:40-9:00 AM**  
**Discussion**

**9:00-9:15 AM**  
**INHIBITION OF CCN2 AMELIORATES FIBROSIS IN ORTHOTOPIC TRACHEA TRANSPLANTATION. Yu-Chun Lin*, X. Jiang, M. Nicolls, Division of Pulmonary and Critical Care, Stanford University/VA Palo Alto Health Care System, Palo Alto, CA.**

**9:15-9:30 AM**  
**ENDOTHELIAL HIF-2α DEFICIENCY DISRUPTS AIRWAY MICROVASCULAR STRUCTURE AND IMPAIRS THE REPAIR OF VESSELS OF TRANSPLANTED AIRWAYS. Xinguo Jiang*, W. Tian, A.B. Tu, M.R. Nicolls, VA Palo Alto Health Care System, Palo Alto, CA; Stanford; University School of Medicine, Stanford, CA.**

**9:30-10:00 AM**  
......Coffee Break (for conference participants)

**10:00-10:35 AM**  
**PARKER B. FRANCIS LECTURESHIP**  
"IMMUNE TOLERANCE, XENOGRAFTS AND LARGE ANIMAL STUDIES IN TRANSPLANTATION"

David H. Sachs, M.D.  
Professor of Surgery  
Columbia Center for Translational Immunology  
Columbia University Medical Center  
New York, New York

**10:35-11:00 AM**  
**Discussion**

**11:00-11:15 AM**  
**MURINE B1-B CELLS INNATELY RECOGNIZE COLLAGEN TYPE V AS DANGER MARKER. Lorenzo Zaffiri*, K. Rothhaar, E.A. Mickler, A.J. Fisher, R. Stearman, M. Geraci, D.S. Wilkes, Indiana University, School of Medicine, Indianapolis IN.**

**11:15-11:30 AM**  
**IFN-γ AND CONTACT-DEPENDENT CYTOTOXICITY ARE RATE-LIMITING FOR NK CELLS IN A MODEL OF ANTIBODY-MEDIATED CHRONIC REJECTION. Christine M. Lin1*, R.J. Plenter2, R.G. Gill3, 1,2University of Colorado, Denver, Anschutz Medical Campus, Department of Medicine, Division of Pulmonary Sciences and Critical Care Medicine, Aurora, CO; 3University of Colorado, Denver, Anschutz Medical Campus. Department of Surgery, Aurora, CO.**

**12:00-3:00 PM**  
Picnic – T Lazy 7 - The Ranch (for conference participants and their family)
Immune Monitoring, Airway Injury and Fibrosis: Session Chairs

8:00-8:35 AM  
**STATE OF THE ART**
Souheil El-Chemaly, M.D., MPH  
*Brigham and Women’s Hospital/Harvard Medical School*
“Lymphatics in Lung Allograft Rejection”

8:35-9:00 AM  
Discussion

9:00-9:15 AM  
**INDUCTION OF THE PRO-INFLAMMATORY UBIQUITIN E3 LIGASE SUBUNIT, FBXO3, IN LUNG ALLOGRAFT REJECTION AND THERAPEUTIC TARGETING USING A NOVEL SMALL MOLECULE INHIBITOR, BC-1261.** T.A. Coon, E.A. Lendermon, R.K. Mallampalli,  
*B.B. Chen, John F. McDyer*  
*Division of Pulmonary, Allergy and Critical Care Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA.*

9:15-9:30 AM  
**CISTROME BASED COOPERATION BETWEEN AIRWAY EPITHELIAL GLUCOCORTICOID RECEPTOR AND NF-κB ORCHESTRATES ANTI-INFLAMMATORY EFFECTS.** Vineela Kadiyala*¹#, S.K. Sasse¹#, T.L. Phang², A.N. Gerber¹,²,  
*¹National Jewish Health and ²University of Colorado, Denver, CO, #contributed equally to this work.*

9:30-10:00 AM  
......Coffee Break (for conference participants)

10:00-10:35 AM  
**GILES F. FILLEY LECTURE**
"MUCOSAL IMMUNITY AND DEFENSE"  
Sean P. Colgan, Ph.D.  
*Levine-Kern Professor of Medicine and Immunology*
*Director of Mucosal Inflammation Program*
*Vice Chair for Research, Department of Medicine*
*Division of Gastroenterology*
*University of Colorado School of Medicine*
*Anschutz Medical Campus*
*Aurora, Colorado*

10:35-11:00 AM  
Discussion

11:00-11:15AM  
**CENTRAL ROLE FOR MUCOSAL EPITHELIA IL-10 SIGNALING IN BARRIER RESTITUTION.** Jordi M. Lanis*¹*, E.E. Alexeev, D.J. Kao, L. Zheng, V.F. Curtis, D.A. Kitzenberg, K. Schwisow, D.J. Kominsky, S.P. Colgan, Mucosal Inflammation Program, Department of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO;  
Department of Microbiology and Immunology, Montana State University, Bozeman, MT.

11:15-11:30 AM  
**REGULATION OF MUCOSAL BARRIER FUNCTION BY MICROBIOTA-DERIVED TRYPTOPHAN METABOLITES.** Erica E. Alexeev*¹*, J.M. Lanis¹, K.D. Schwisow¹, D.J. Kominsky², S.P. Colgan¹,  
¹Department of Medicine, University of Colorado, Anschutz Medical Campus, ²Department of Microbiology and Immunology, Montana State University, Bozeman, MT.

11:30-1:30 PM  
......Lunch  
(lunch not provided by conference)
Friday, June 10, 2016 -- Afternoon

**Immune Monitoring, Airway Injury and Fibrosis: Session Chair**

1:30-2:05 AM  **STATE OF THE ART**
Iwijn De Vlaminck, Ph.D.
Cornell University
“Cell Free DNA as a Marker of Acute Rejection and Virome Changes in Lung Transplantation”

2:05-2:30 PM  Discussion

2:30-2:45 PM  **GENE EXPRESSION PROFILING OF BRONCHOALVEOLAR LAVAGE CELLS PRECEDING A CLINICAL DIAGNOSIS OF CHRONIC LUNG ALLOGRAFT DYSFUNCTION.** S. Samuel Weigt*, X. Wang¹, V. Palchevskiy¹, N. Patel¹, A. Derhovanessian¹, M.Y. Shino¹, D.M. Sayah¹, A.L. Gregson¹, J. P Lynch III¹, R. Saggar¹, D.J. Ross¹, A. Ardehali², D. Elashoff¹, J.A. Belperio¹; ¹Department of Medicine, David Geffen School of Medicine, University of California, Los Angeles, CA; ²Department of Surgery, David Geffen School of Medicine, University of California, Los Angeles, CA.

2:45-3:00 PM  **STRATIFICATION OF CHRONIC LUNG ALLOGRAFT DYSFUNCTION PHENOTYPES USING PROTEOMIC PROFILING OF BAL-FLUID.** Natalia Smirnova*, H.B. Schiller¹,², N. Kneidinger³, J. Behr³, M. Mann², O. Eickelberg¹, ¹Comprehensive Pneumology Center, University Hospital of the Ludwig-Maximilians-University Munich and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Munich, Germany; ²Department of Proteomics and Signal Transduction, Max Planck Institute of Biochemistry, Martinsried, Germany; ³Department of Internal Medicine V, Comprehensive Pneumology Center, Comprehensive Pneumology Center Munich (CPC-M); University of Munich, Munich; Germany, Member of the German Center for Lung Research (DZL).

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

3:30-4:05 PM  **REUBEN M. CHERNIACK LECTURE**
“ACTIVATION OF EPITHELIAL STEM CELLS AND REGENERATIVE PATHWAYS AFTER MAJOR LUNG INJURY”
Harold A. Chapman, M.D.
Professor of Medicine
Division of Pulmonary and Critical Care Medicine
University of California, San Francisco
School of Medicine
San Francisco, California

4:05-4:30 PM  Discussion

4:30-4:45 PM  **REGULATION OF LUNG REPARATIVE PROCESSES BY BIOATIVE LIPID MEDIATORS.** Tara M. Nordgren*, A.J. Heires², K.L. Bailey¹,², D.J. Romberger¹,², ¹VA Nebraska Western Iowa Healthcare System, Omaha, NE; ²University of Nebraska Medical Center, Pulmonary, Critical Care, Sleep and Allergy Division, Omaha, NE.

4:45-5:00 PM  **RECOMBINANT HUMAN CC10 PROTEIN FOR CHRONIC LUNG TRANSPLANT REJECTION.** A. Pilon¹, Thomas Miller*, A.H. Cohen¹,², ¹Therabron Therapeutics, Inc.; Rockville, MD USA; ²Stanford University School of Medicine, Stanford, CA.

5:00-7:00 PM  POSTER VIEWING – Wine and Cheese Reception
Saturday, June 11, 2016 -- Morning

Chronic Lung Allograft Dysfunction: Airway and Parenchymal Fibrosis: Session Chair-

8:00-8:35 AM  **STATE OF THE ART**  
John A. Belperio, M.D.  
*University of California, Los Angeles*  
“Host-Pathogen Interactions and Chronic Lung Allograft Dysfunction”

8:35-9:00 AM  Discussion

9:00-9:15 AM  **MICROHEMORRHAGE-ASSOCIATED TISSUE IRON ENHANCES THE RISK FOR ASPERGILLUS FUMIGATUS INVASION IN TRANSPLANTATION.**  
Joe L. Hsu, M.D.*  
Inayathulla, A.B. Tu, K.V. Clemons, X. Jiang, J. Rajadas, D.A. Stevens, M.R. Nicolls  
1VA Palo Alto Health Care System/Stanford University School of Medicine; 2California Institute for Medical Research; 3Stanford University School of Medicine.

9:15-9:30 AM  **LENTIVIRUS IL-10 GENE THERAPY ATTENUATES ACUTE REJECTION AND FEATURES OF CHRONIC LUNG ALLOGRAFT DYSFUNCTION AFTER MURINE ORTHOTOPIC LUNG TRANSPLANTATION.**  
1Latner Thoracic Surgery Research Laboratories, University of Toronto, Toronto, Ontario, Canada; 2Department of Thoracic Surgery, University of Tokyo, Tokyo, Japan; 3Department of Thoracic Surgery, Kobe City Medical Center West Hospital, Kobe, Japan; 4Department of Pediatrics, Medical College of Wisconsin, Milwaukee, Wisconsin.

9:30-10:00 AM  .....Coffee Break (for conference participants)

10:00-10:35 AM  **STATE OF THE ART**  
Vibha N. Lama, M.D., M.S.  
*University of Michigan Health System*  
“Mesenchymal Stem Cells In Lung Fibrosis”

10:35-11:00 AM  Discussion

11:00-11:15 AM  **REGENERATIVE POTENTIAL OF HUMAN AIRWAY STEM CELLS IN LUNG EPITHELIAL ENGINEERING FOR TRANSPLANTATION.**  
Massachusetts General Hospital, Center for Regenerative Medicine, Boston, MA.

11:15-11:30 AM  **CIRCULATING ELASTASE CONFERS A HIGH RISK FOR THE DEVELOPMENT OF BRONCHIOLITIS OBLITERANS SYNDROME.**  
C.E. Milla, J.M. Zirbes, A. Yacob, L. Tian, R.T. Zamanian, M. Bental-Roof, R. Bland, M. Rabinovich, G. Dhillon  
Mark R. Nicolls*.  
Stanford University School of Medicine, Stanford, CA.

11:30-12:30 PM  **CONFERENCE SUMMARY**  
Sonja Schrepfer, M.D.  
Associate Professor of Surgery  
University of California, San Francisco  
San Francisco, California

12:30-1:00 PM  Discussion and Adjourn
POSTER VIEWING - SOCIAL HOUR
Wednesday, June 8, 2016
5:00-7:00 PM

POSTERS - Clinical

EFFECT OF LUNG ALLOCATION BY PRIORITIZING ON ABO COMPATIBILITY. J.J. Mooney, L. Chhatwani, Gundeep S. Dhillon*, Stanford University, Department of Medicine, Stanford, CA.

ETHNICITY AND WAITLIST OUTCOMES IN LUNG TRANSPLANT CANDIDATES. J.J Mooney, H. Hedlin, P. Mohabir, Gundeep S. Dhillon*, Department of Medicine, Stanford University, Stanford, CA.

CIRCULATING NITRIC OXIDE BIOACTIVITY AND LUNG INJURY AFTER BRAIN DEATH. Maroun Matta*, A. Aldamouk, L. Zhu, R. Schilz, R.J. Folz, J.S. Stamler, J. D. Reynolds, Institute for Transformative Molecular Medicine, Departments of Medicine and Anesthesiology, University Hospital Case Medical Center, Case Western Reserve University Hospital, Cleveland, OH.

UNCONTROLLED DCD WITH PROLONGED EX VIVO LUNG PERFUSION (EVLP): A FEASIBLE MODEL FOR DONOR LUNG RECOVERY AND ALLOCATION. John R. Spratt*, L.M. Mattison, P. Iaizzo, T. Iles, M.I. Hertz, G. Loor, University of Minnesota Departments of Surgery and Medicine (Pulmonology), Minneapolis, MN.


MEDICAL COMORBIDITIES OF UNCONTROLLED DONATION AFTER CIRCULATORY DETERMINATION OF DEATH DONORS (uDCDDS): IMPACT ON THE SIZE OF THE PULMONARY DONOR POOL. Thomas Egan1*, N. Casey2, C. Thys2, 1University of Carolina at Chapel Hill, Chapel Hill, NC; 2Carolina Donor Services, Durham, NC.

STAKEHOLDERS IN THE PROCESS OF LUNG RECOVERY FROM UNCONTROLLED DONATION AFTER CIRCULATORY DETERMINATION OF DEATH DONORS (uDCDDS). Thomas Egan1*, J. Requard IIF2, 1University of Carolina at Chapel Hill, Chapel Hill, NC; 2Lung Banks of America, Chapel Hill, NC.

IMATINIB PROTECTS AGAINST ISCHEMIA-REPERFUSION INJURY IN AN EX VIVO RABBIT MODEL OF PRIMARY GRAFT DYSFUNCTION. J.T. Magruder1, J.C. Grimm1, L. Santhanam3, R.S. Stephens2, D.E. Berkowitz2, L. Johnston2, R.L. Damico2, P.M. Hassoun2, A.S. Shah1, Bo Kim2*, 1Division of Cardiac Surgery, Johns Hopkins University School of Medicine, Baltimore, MD; 2Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD; 3Department of Anesthesiology, Johns Hopkins University School of Medicine, Baltimore, MD.

INTRAVENOUS IMMUNE GLOBULIN (IVIG) MONOTHERAPY FOR PRE-EXISTING AND DE-NOVO DONOR-SPECIFIC ANTIBODY (DSA) AFTER LUNG TRANSPLANTATION (LTX). Reda E. Girgis1,2*, J.A. Gerlach2, S. Jansma1, E. Beuker1, M. Strueber1,2, 1Richard DeVos Heart and Lung Transplant Program, Spectrum Health, Grand Rapids, MI; 2Michigan State University College of Human Medicine, East Lansing and Grand Rapids, MI.
POSTER VIEWING – Wine and Cheese Reception
Friday, June 10, 2016
5:00-7:00 PM

POSTERS – Basic Science

1University of Miami Health System, Miami, FL; 2Inova Fairfax Hospital, Falls Church, VA; 3Genentech, Inc., South San Francisco, CA; 4Cedars Sinai Medical Center, Los Angeles, CA.

1University of Miami Health System, Miami, FL; 2Inova Fairfax Hospital, Falls Church, VA; 3Genentech, Inc., South San Francisco, CA; 4Cedars Sinai Medical Center, Los Angeles, CA.

1Inova Fairfax Hospital, Falls Church, VA; 2University of Turin, Italy; 3Ruhrlandkinik, Essen, Germany; 4Alfred Hospital, Melbourne, Australia; 5University of Miami Miller School of Medicine, Miami, FL; 6Vanderbilt University Medical Center, Nashville, TN; 7Columbia University Medical Center, New York, NY; 8Paulista School of Medicine, Federal University of São Paulo, Brazil; 9National Jewish Health, Denver, CO; 10Genentech, Inc., South San Francisco, CA; 11Royal Brompton Hospital, London, UK.

SPASTIC ESOPHAGEAL MOTILITY DISORDERS IN POST-LUNG TRANSPLANT PATIENTS. K. Regalia1, A. Sweatt2, Laveena Chatwani2*, J. Mooney2, G. Dhillon2, L. Nguyen1
1Stanford University Division of Gastroenterology; 2Stanford University Division of Pulmonary and Critical Care Medicine, Stanford, CA.

COMBINED LUNG-LIVER TRANSPLANTATION: AN UPDATED SRTR ANALYSIS. Shrvani Pasupneti*, J.J. Mooney, G. Dhillon, Division of Pulmonary and Critical Care Medicine, Stanford University Medical Center, Stanford, CA.

PULMONARY COMPLICATIONS OF STEVENS JOHNSON SYNDROME: A SINGLE CENTER EXPERIENCE. Deborah R. Liptzin*, J.G. Morelli, J.P. Weinman, M.E. Kroehl, R.R. Deterding, University of Colorado School of Medicine, Children’s Hospital Colorado, Aurora, CO.

USING CLINICAL QUANTITATIVE CT TOOLS TO IMPROVE DIAGNOSIS OF BRONCHIOLITIS OBLITERANS SYNDROME. Deborah R. Liptzin*, E.M. DeBoer, M.E. Kroehl, R.H. Giller, J.P. Weinman, University of Colorado School of Medicine, Children’s Hospital Colorado, Aurora, CO.

IL-10 – IN NEED FOR INNOVATIVE TECHNOLOGIES TO HARNESS THIS MOST POWERFUL ENDOGENOUS IMMUNE-SUPPRESSOR FOR REPAIR AND REGENERATION IN THE LUNGS. N. Durmus, B. Bleck, J. Reibman, Gabriele Grunig*, New York University Langone Medical Center, New York, NY.
FGF2 OVEREXPRESSION DECREASES BLEOMYCIN-INDUCED PULMONARY FIBROSIS. Robert D. Guzy1,3, L. Li1, S. Cilvik1, S. House2, D.M. Ornitz3, 1Department of Internal Medicine, Section of Pulmonary and Critical Care, The University of Chicago, Chicago, IL; 2Division of Emergency Medicine, Washington University School of Medicine, St. Louis, MO; 3Department of Developmental Biology, Washington University School of Medicine, St. Louis, MO.

THE INFLUENCE OF ENPP1 EXPRESSION IN MUCOSAL TISSUES. Valerie F. Curtis*, K. Schwisow, J.S. Lee, S.P. Colgan, Mucosal Inflammation Program, Department of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO.

HIGH-ENERGY PHOSPHATES AND MUCOSAL INFLAMMATION. Lee, J. Scott*, B.C. Tooker, L.E. Glover, S.P. Colgan, University of Colorado Anschutz Medical Campus, Mucosal Inflammation Program and Department of Medicine, Aurora, CO.

ORTHOTOPIC LUNG TRANSPLANTATION IN A SINGLE-MISMATCH-BASED MOUSE MODEL SHOWS SIGNS OF CHRONIC LUNG ALLOGRAFT DYSFUNCTION (CLAD). Natalie Smirnova*, T. Conlon, A.O. Yildirim, O. Eickelberg, Comprehensive Pneumology Center, University Hospital of the Ludwig-Maximilians-University Munich and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Munich, Germany.

GENE EXPRESSION PROFILES, MUC5B GENOTYPE, AND ASYMPTOMATIC FIBROTIC INTERSTITIAL LUNG DISEASE IN AN AT-RISK COHORT. Susan K. Mathai*, A.D. Walts1, J. Powers1, D. A. Lynch2, J.H. Chung2, K.S. Smith1, J. Woodward1, J.E. Loyd1, K.K. Brown2, M.P. Steele3, M.I. Schwarz4, T.E. Fingerlin2, I.V. Yang1, D.A. Schwartz1, 1University of Colorado Denver, Anschutz Medical Campus, Division of Pulmonary Sciences and Critical Care Medicine and the Department of Medicine Aurora, CO; 2National Jewish Health, Denver, CO; 3Vanderbilt University School of Medicine, Division of Pulmonary and Critical Care Medicine, Nashville, TN.

THE INVOLVEMENT OF MUC5B IN HONEYCOMB CYST FORMATION PROVOKED BY INFLUENZA. Jonathan S. Kurche*, J.P. Huber, L.A. Warg, C.M. Evans, D.A. Schwartz, Division of Pulmonary Sciences and Critical Care Medicine, Department of Medicine, University of Colorado Anschutz Medical Campus, Aurora, CO.

COORDINATED IMMUNE ACTIVATION BY DISTINCT MONONUCLEAR PHAGOCYTES SUBTYPES AGAINST THE MISMATCH OF MINOR ANTIGENS. S.M. Atif4, S.L. Gibbings1, R.G. Gill5, K.M. Murphy3,4, T.J. Grazia5, R. Torres5, P.M. Henson1,5, G.J. Randolph3, Claudia Jakubzick4,5*, 1Department of Pediatrics, National Jewish Health, Denver, CO; 2Department of Biomedical Research, National Jewish Health, Denver, CO; 3Department of Pathology and Immunology, Washington University School of Medicine, St. Louis, MO; 4Howard Hughes Medical Institute; 5Department of Immunology and Microbiology, University of Colorado Anschutz Medical Campus, Aurora, CO.