

UPMC Physicians, Researchers, and Fellows Present at the 2018 American Thoracic Society Annual Meeting

The American Thoracic Society (ATS) will host the 2018 Annual Meeting in San Diego from May 18 to 23. UPMC and the University of Pittsburgh will be well-represented in poster presentations, panels, case studies, awards, and educational discussions. Some of these presentations include:

FRIDAY, MAY 18, 2018

Session PG13 FORGOTTEN AND CONTROVERSIAL TOPICS IN PULMONARY HYPERTENSION
Room 8 (Upper Level) - San Diego Convention Center **8:00 AM - 4:00 PM**

Chair: Michael Risbano, MD, MA. University of Pittsburgh, Pittsburgh, PA **8:00 AM - 4:00 PM**
Presentation
Exercise Pulmonary Hypertension: Are We There Yet? **8:00 AM - 8:30 AM**
Michael Risbano, MD, MA

Session PG4 ASTHMA STATE OF THE ART 2018
Room 6 F (Upper Level) - San Diego Convention Center **8:00 AM - 4:00 PM**

Presentation
Asthma Endotypes: A New Approach to Characterizing Disease **8:35 AM - 9:05 AM**
Sally E. Wenzel, MD

Session PG14 ARE YOUR MITOCHONDRIA HAPPY? A BEGINNERS GUIDE TO ASSESSING MITOCHONDRIAL FUNCTION AT THE BENCH
Room 6 E (Upper Level) - San Diego Convention Center **8:00 AM - 4:00 PM**

Chair: Ana Mora, MD **8:00 AM - 4:00 PM**
Presentation
Mitochondrial Function and Immunometabolism **11:00 AM - 11:30 AM**
Anuradha Ray, PhD
Presentation
Station 3. Assays to Assess Mitochondrial Integrity: How to Know If Your Mitochondria Are Sick? **2:40 PM - 3:00 PM**
Ana Mora, MD
Presentation
Station 3. Assays to Assess Mitochondrial Integrity: How to Know If Your Mitochondria Are Sick **3:00 PM - 3:20 PM**
Marta Bueno, PhD

SATURDAY, MAY 19, 2018

Session PG25 PULMONARY EMBOLISM: A JOURNEY FROM SUBMASSIVE TO CHRONIC COMPLICATIONS
Room 4 (Upper Level) - San Diego Convention Center **8:00 AM - 4:00 PM**

Chair: Belinda Natalia Rivera-Lebron, MD, MS. **8:00 AM - 4:00 PM**
Presentation
Prevalence, Classification and Risk Stratification of Acute PE **8:00 AM - 8:30 AM**
Belinda Natalia Rivera-Lebron, MD, MS

SUNDAY, MAY 20, 2018

Session A11 ATS/JRS/CTS/ERS SYMPOSIUM ON SEVERE ASTHMA: RATIONALIZING TARGETED THERAPEUTICS

Room 6 A (Upper Level) - San Diego Convention Center 9:15 AM - 11:15 AM

Presentation *Introduction and Overview of Severe Asthma* 9:15 AM - 9:20 AM
Sally E. Wenzel, MD

Session A8 CURRENT CONTROVERSIES IN PAH DISEASE MECHANISMS: A PRO/CON DEBATE

Room 15 A-B (Mezzanine Level) - San Diego Convention Center 9:15 AM - 11:15 AM

Presentation *PRO: PAH is a Cancer-Like Disease* 9:15 AM - 9:30 AM
Elena A. Goncharova, PhD

Session A21 CLINICAL AND MECHANISTIC STUDIES OF LUNG FIBROSIS

9:15 AM - 11:15 AM

Pacific Ballroom 15-17 (North Tower, First Floor) - Marriott Marquis San Diego Marina

Presentation A1061 / 914 9:15 AM - 11:15 AM
Tlr5 Protects from Pulmonary Fibrosis by Promoting Epithelial Survival After Injury: Interaction with the Microbiome
Y. Zhang

Session A36 HOT TOPICS IN CRITICAL CARE MEDICINE

9:15 AM - 4:15 PM

Area D (Hall A-B2, Ground Level) - San Diego Convention Center

Presentation A1444 / P258 11:15 AM - 1:00 PM
Provider Perspectives on Preventive Post-Extubation Noninvasive Ventilation for High-Risk ICU Patients
E. Nuzzo

Session A34 ASTHMA CLINICAL STUDIES I

Area H (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Presentation A1386 / P911 11:15 AM - 1:00 PM
Asthma Variables and Associations with HIV Status
M. Fitzpatrick, A. M. Morris

Session A33 ASTHMA MECHANISMS

Area J (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Presentation A1323 / P1065 11:15 AM - 1:00 PM
Whole-Genome Admixture Mapping Reveals Novel Loci for Pre-Bronchodilator and Maximum, Post-Bronchodilator Lung Function in African Americans from the Severe Asthma Research Program
S. E. Wenzel
Presentation A1326 / P1068 11:15 AM - 1:00 PM
Genomic and Transcriptomic Analyses of CC16 as a Biomarker for Asthma
S. E. Wenzel

Session A44 COPD: PHENOTYPES AND COMORBIDITIES

Area E (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Presentation A1704 / P431 11:15 AM - 1:00 PM
Measures of Adiposity Influence Disease Impact in Non-Obese Subjects with Mild to Moderate COPD: An Analysis of the SPIROMICS Cohort

J. M. Bon

Presentation A1705 / P432

11:15 AM - 1:00 PM

Validation of and Phenotypic Variation in Flow and Volume Components of Bronchodilator Response in a Chronic Obstructive Pulmonary Disease Cohort

C. Riley, S. Nouraie, F. C. Scirba

Presentation A1707 / P434

11:15 AM - 1:00 PM

Probabilistic Graphical Models Identify SNP Causal Predictors of COPD Markers and Comorbidities in Extreme Trait COPD Patients

Y. Zhang, J. M. Bon, D. Chandra, C. Riley, F. C. Scirba

Presentation A1719 / P446

11:15 AM - 1:00 PM

Subcutaneous and Visceral Fat Differentially Associate with Emphysema and Airway Phenotypes in Smokers

F. C. Scirba, Y. Zhang, S. Nouraie, J. M. Bon

Presentation A1720 / P447

11:15 AM - 1:00 PM

The Prevalence and Risk Factors of Osteoporosis in Individuals with Chronic Obstructive Pulmonary Disease (COPD): A Systematic Review and Meta-Analysis, J. M. Bon

Session A45 TOPICS IN INTERVENTIONAL PULMONARY

9:15 AM - 4:15 PM

Area L (Hall A-B2, Ground Level) - San Diego Convention Center

Presentation A1726 / P1362

11:15 AM - 1:00 PM

Coil Associated Inflammatory Response Syndrome (CAIRS) Following Endoscopic Lung Volume Reduction with Endobronchial Coils in Severe Emphysema

F. C. Scirba

Facilitator

11:15 AM - 1:00 PM

Roy Semaan, MD

Session A43 ILD SCIENTIFIC ABSTRACTS: GENERAL

9:15 AM - 4:15 PM

Area K (Hall A-B2, Ground Level) - San Diego Convention Center

Presentation A1677 / P1280

11:15 AM - 1:00 PM

Retrospective Case Series of Thirty-Two Patients with Biopsy-Proven Chronic Eosinophilic Pneumonia

F. Shah

Session A49 CRITICAL CARE: LOOKING FOR CLUES - BIOMARKERS IN ARDS, SEPSIS, AND ACUTE CRITICAL ILLNESS

Area D (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A1808 / P315

11:15 AM - 1:00 PM

Pre-Existing Emphysema Affects Soluble Receptor for Advanced Glycation End-Product Levels in Acute Respiratory Distress Syndrome

J. Evankovich, G. Kitsios, B. J. McVerry

Session A63 RIDE THE LIGHTNING: BASIC AND TRANSLATIONAL STUDIES IN PULMONARY HYPERTENSION

Area B (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A2104 / P116

11:15 AM - 1:00 PM

Alterations in Tryptophan Metabolism and Nicotinamide Adenine Dinucleotide (NAD) Synthesis in Individuals with Pulmonary Arterial Hypertension

C. Koch, B. Methe, M. T. Gladwin, A. Morris

Session A65 RIDE THE WILD SURF: RV FUNCTION AND EXERCISE RESPONSES IN PULMONARY HYPERTENSION

Area B (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A2143 / P161

11:15 AM - 1:00 PM

Markers of Diastolic Dysfunction Correlate with Filling Pressures on Right Heart Catheterization During Leg Raise in a Mixed Population

S. Nouraie, M. G. Risbano

Facilitator:

11:15 AM - 1:00 PM

Michael G. Risbano, MD, MA

Session A28 ADVANCES IN COPD AND ASTHMA

Room 28 C-E (Upper Level) - San Diego Convention Center

9:15 AM - 11:15 AM

Presentation A1211 / 523

9:15 AM - 11:15 AM

The E3 Ligase Subunit FBXL2 Is Required for Skeletal Myogenesis and Regulated by Inflammatory Stress that Indicates a Potential Role in Muscle Dysfunction in COPD

M. E. O'Brien, B. B. Chen, J. Bon, R. K. Mallampalli

Session A68 MOLECULAR DETERMINANTS OF REMODELING IN LUNG FIBROSIS

Area G (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A2200 / P630

11:15 AM - 1:00 PM

PTEN-Induced Putative Kinase 1 and Adenine Nucleotide Translocase 2 Affect Mitochondrial Permeability Transition Pore Opening in Alveolar Epithelial Cells

D. Zank, M. Bueno, M. Rojas, A. L. Mora

Facilitator

11:15 AM - 1:00 PM

Daniel Kass, MD

Session A70 ENVIRONMENTAL STRESSORS, GASES, AND HOST RESPONSES

Area G (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A2277 / P713

11:15 AM - 1:00 PM

Reversal of Carbon Monoxide (CO) Mediated Mitochondrial Dysfunction and Cardiovascular Collapse with Molecularly Engineered Neuroglobin-Based CO Scavenger

J. J. Rose, C. P. O'Donnell, A. L. Mora, J. Tejero, M. T. Gladwin

Session A71 THE EPIGENOME, GENOME AND NON-CODING RNAs IN LUNG DISEASE

Area G (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM – 4:15 PM

Presentation A2287 / P726 Network Analysis of Idiopathic Pulmonary

11:15 AM - 1:00 PM

Fibrosis by Integrating the Genome-Wide Association Study and Gene Expression Profile

Y. Zhang

Session A69 NOVEL SIGNALING CASCADES IN LUNG INJURY, INFLAMMATION, AND REPAIR

Area G (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A2247 / P680

11:15 AM - 1:00 PM

Toll-Like Receptor 8 (TLR8) Protein Degradation Limits Inflammatory Signaling

J. Evankovich, R. K. Mallampalli, B. Chen

Presentation A2248 / P681

11:15 AM - 1:00 PM

LPS Reduces SCF-Fbxo9 to Elevate PRMT4 Protein Levels in Lymphocytes in an Acute Lung Injury Model

C. Zou, Y. Lai

Presentation A2251 / P684

11:15 AM - 1:00 PM

FBXO17 Upregulates Akt Activity and Increases Survival of Lung Epithelial Cells

T. L. Suber, J. Zhao, R. K. Mallampalli, Y. Zhao

Presentation A2254 / P687

11:15 AM - 1:00 PM

Molecular Regulation of the Stability of SIGIRR in Ubiquitin-Proteasome System

J. Zhao, Y. Zhao

Presentation A2264 / P697

11:15 AM - 1:00 PM

Adult Stem Cells in Combination with Respiratory Assistance Devices Protects Cardiac Mitochondrial Function in A LPS-Induced ARDS Large Animal Model

N. Cardenes, M. Rojas

Session A75 COPD: TARGETS, MODELS, AND CLINICAL STUDIES

Area E (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A2409 / P480

11:15 AM - 1:00 PM

Abnormalities in the Function of Lung-Derived Mesenchymal Stromal Cells (MSCs) in COPD: Intrinsic Defects or Impaired Interaction with the Matrix?

M. Rojas

Session A77 EFFECT OF SLEEP DISORDERED BREATHING ON CARDIOMETABOLIC AND NEUROCOGNITIVE OUTCOMES

Area C (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Facilitator: Charles W. Atwood, MD

11:15 AM - 1:00 PM

Session A82 REACHING FOR THE GOLD: ADDRESSING GAPS IN THE CURRENT GOLD GUIDELINES

Ballroom 20 B-C (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation

Beyond the Lung: Addressing Comorbidity Screening and Treatment

Jessica M. Bon, MD, MS

2:55 PM - 3:10 PM

Session A87 MECHANISMS OF PERSISTENT ORGAN DYSFUNCTION AFTER CRITICAL ILLNESS

Ballroom 20 A (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**
Presentation
Acceleration of Cardiovascular Disease After Sepsis
Ata Murat. Kaynar, MD, MPH **3:03 PM - 3:27 PM**

Session A85 MITOCHONDRIAL DYSFUNCTION AND REPROGRAMMING IN LUNG AGING AND DISEASE
Pacific Ballroom 21 (North Tower, First Floor) - Marriott Marquis San Diego Marina **2:15 PM - 4:15 PM**
Chair: **Ana L. Mora, MD** **2:15 PM - 4:15 PM**

Session A101 MECHANISMS AND CLINICAL FEATURES OF SEVERE ASTHMA
Room 11 A-B (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**

Presentation A2479 / 401 **2:15 PM - 4:15 PM**
CXCL9/10 Elevation in Severe Asthma Is Refractory to Corticosteroid Therapy
M. Gauthier, M. L. Fajt, A. Ray, S. E. Wenzel

Presentation A2480 / 402 **2:15 PM - 4:15 PM**
Goblet Cell Metaplasia and Loss of Ciliated Cells in the Epithelium of Severe Asthma - Results from the Severe Asthma Research Program (SARP)
S. E. Wenzel

Presentation A2484 / 406 **2:15 PM - 4:15 PM**
Regulation of the Cyclic AMP Signaling Axis in Monocytic Cells by Inflammatory Polarizing Cytokines: Implications for Severe Asthma
N. M. Weathington, S. E. Wenzel

Presentation A2495 / 417 **2:15 PM - 4:15 PM**
Longitudinal Analysis of Airway Type-2 Biomarkers in the Severe Asthma Research Program
S.E. Wenzel

Presentation A2497 / 419 **2:15 PM - 4:15 PM**
Upregulation of Paraoxonase 1 (PON1) in Severe Asthma
S. E. Wenzel

Presentation A2498 / 420 **2:15 PM - 4:15 PM**
Whole-Genome Admixture Mapping Reveals Novel Loci for Bronchodilator Response in African Americans from the Severe Asthma Research Program
S. E. Wenzel

Presentation A7700 / 421 **2:15 PM - 4:15 PM**
A Randomized, Controlled Phase 3 Study, LIBERTY ASTHMA QUEST, Evaluating the Efficacy and Safety of Dupilumab in Uncontrolled Moderate-to-Severe Asthma
S. E. Wenzel

Session A93 ILD: CLINICAL TRIALS
Room 6 A (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**
Moderator: Kevin F. Gibson, MD **2:15 PM - 4:15 PM**

Session A103 ILD: OUTCOMES
Room 6 D (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**
Presentation A2521 / 202 **2:15 PM - 4:15 PM**
Evaluating Disease Severity and Location of Death on Palliative Care Referral in Patients with Idiopathic Pulmonary Fibrosis
S. Nouraie, K. F. Gibson, D. Kass, K. O. Lindell

Session A108 EVALUATION OF SYMPTOMS AND NOVEL STRATEGIES IN PATIENT AND FAMILY CARE

Room 30 C-E (Upper Level) - San Diego Convention Center	2:15 PM - 4:15 PM
Presentation A2643 / 610	2:15 PM - 4:15 PM
<i>Delivering a Home Exercise Intervention to Lung Transplant Recipients Using a Telerehabilitation Platform - A Feasibility Study</i>	
M. R. Morrell	
Presentation A2646 / 613	2:15 PM - 4:15 PM
<i>Feasibility and Acceptability of an Early Palliative Care Intervention in Patients with Idiopathic Pulmonary Fibrosis and Their Caregivers</i>	
K.O. Lindell, S. Nouraie, K. F. Gibson, D. J. Kass	
Presentation A2638 / 605	2:15 PM - 4:15 PM
<i>Exploratory Evaluation of Palliative Care Quality Indicators in Patients with Chronic Lung Disease Requiring an ICU Admission</i>	
K. O. Lindell, B. J. McVerry, S. Nouraie	
Presentation A2648 / 615	2:15 PM - 4:15 PM
<i>Exploring Positive Aspects of Caregiving in Family Caregivers of ICU Patients from ICU to Four Months Post-ICU Discharge</i>	
M. P. Donahoe	

Session A94 BRAVE NEW WORLD: THE CUTTING EDGE OF PH RESEARCH	
Room 14 A-B (Mezzanine Level) - San Diego Convention Center	2:15 PM - 4:15 PM
Presentation A2442	2:15 PM - 2:30 PM
<i>Role of Skeletal Muscle SIRT3 in PH-HFpEF</i>	
Y. Lai, E. A. Goncharova, A. L. Mora, M. T. Gladwin	

Session A92 FROM PRINCIPLES TO PRACTICE: EXPLORING MECHANISTIC KNOWLEDGE TO ADVANCE CLINICAL CARE	
Room 33 A-C (Upper Level) - San Diego Convention Center	2:15 PM - 4:15 PM
Chair: Joseph M. Pilewski, MD	2:15 PM - 4:15 PM

PACCM Annual Dinner & Cocktail Reception **6:30 PM - 9:00 PM**
Harbor House, 2nd Floor 831 W. Harbor Drive San Diego, CA

MONDAY, MAY 21, 2018

Session SS101 SEVERE ASTHMA FOR THE CLINICIAN	
Grand Ballroom 1 (North Tower, Lobby Level) - Marriott Marquis San Diego Marina	7:00 AM - 8:00 AM
Faculty: Marc Gauthier, MD	

Session B3 THE REVOLUTION OF LUNG IMAGING: FROM PIXELS TO PATIENTS	
Ballroom 20 D (Upper Level) - San Diego Convention Center	9:15 AM - 11:15 AM
Chair: Frank C. Sciruba, MD	9:15 AM - 11:15 AM

Session B5 MITOCHONDRIA AND NUCLEAR-DERIVED DANGER- ASSOCIATED MOLECULAR PATTERNS (DAMPS) IN PULMONARY DISEASES	
Pacific Ballroom 21 (North Tower, First Floor) - Marriott Marquis San Diego Marina	9:15 AM - 11:15 AM
Presentation	
<i>Mitochondrial DAMPS in Aging and Lung Fibrosis</i>	
Ana L. Mora, MD	10:55 AM - 11:15 AM

Session B9 TH17 CELLS: FRIEND, FOE OR BOTH IN CHRONIC LUNG DISEASES	
Grand Ballroom 5-6 (North Tower, Lobby Level) - Marriott Marquis San Diego Marina	9:15 AM - 11:15 AM
Presentation	
<i>Recalibrating Severe Asthma: Th1 and Th17 Cells</i>	
Anuradha Ray, PhD	10:15 AM - 10:35 AM

Session B15 IMMUNE PATHWAYS IN LUNG INJURY AND REPAIR
Pacific Ballroom 22 (North Tower, First Floor) - Marriott Marquis San Diego Marina 9:15 AM - 11:15 AM

Presentation A2700 9:15 AM - 9:30 AM
Platelets Shed Extracellular Vesicles to Promote IL-1 β Dependent Lung Vaso-Occlusion in Sickle Cell Disease
P. Sundd, M. T. Gladwin

Session B31 ACUTE LUNG INJURY AND ARDS: TRANSLATIONAL AND MECHANISTIC STUDIES
Area H (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Presentation A2986 / P876 11:15 AM - 1:00 PM
Further Development of a Small Molecule Inhibitor of the Deubiquitinase STAMBP
J. S. Bednash, N. M. Weathington, B. Chen, R. K. Mallampalli

Session B38 ISSUES IN UNDERSTANDING AND MANAGING COUGH
Area G (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Facilitator: Andrej A. Petrov, MD 11:15 AM - 1:00 PM

Session B36 BIOMARKERS IN COPD
Area L (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Facilitator: Jessica M. Bon, MD, MS 11:15 AM - 1:00 PM

Session B37 INTERVENTIONAL PULMONARY: CASE REPORTS I
Area G (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Facilitator: Roy Semaan, MD 11:15 AM - 1:00 PM

Session B39 PLEURAL DISEASE: CASE REPORTS I
Area G (Hall A-B2, Ground Level) - San Diego Convention Center 9:15 AM - 4:15 PM

Facilitator: Craig Riley, MD 11:15 AM - 1:00 PM

Facilitator: Ian Barbash, MD 11:15 AM - 1:00 PM

Session B22 CRITICAL CARE: MICROBIOME, GENETICS, AND OTHER BIOMARKERS IN ACUTE CRITICAL ILLNESS
Room 31 A-C (Upper Level) - San Diego Convention Center 9:15 AM - 11:15 AM

Presentation A2777 / 706 9:15 AM - 11:15 AM
Gut Microbiome Dysbiosis and Delirium in Mechanically Ventilated Adult Patients: A Prospective Cohort Study
G. Kitsios, F. Shah, A. Morris, B. J. McVerry

Presentation A2787 / 716 9:15 AM - 11:15 AM
Low-Level Enteral Dextrose Infusion Induces Increases in the Incretin Glucose-Dependent Insulinotropic Peptide and Maintains Euglycemia in a Murine Klebsiella Pneumoniae Model of Sepsis

F. Shah, K. M. Robinson, G. Kitsios, J. Lee, C. P. O'Donnell, B. J. McVerry

Presentation A2788 / 717 9:15 AM - 11:15 AM
Reduced Alternative Complement Activity Is Associated with Impaired Serum Control of Carbapenemase-Producing Klebsiella Pneumoniae in a Cohort of Critically Ill Patients

W. Bain, S. Nouraie, G. Kitsios, A. M. Morris, Y. Zhang, B. J. McVerry

Session B27 THE EVIL THAT ENDOTHELIAL CELLS DO: IMPLICATIONS FOR PULMONARY VASCULAR DISEASE
Grand Ballroom 11-13 (North Tower, Lobby Level) - Marriott Marquis San Diego Marina 9:15 AM - 11:15 AM

Presentation A2877 / 805 9:15 AM - 11:15 AM
Unfolded Protein Response and Mitochondria Crosstalk Drives PINK1 Downregulation and Mitochondrial Dysfunction in Pulmonary Endothelial Cells

M. Bueno, A.L. Mora

Presentation A2883 / 811

9:15 AM - 11:15 AM

Inhibition of Purine Nucleoside Phosphorylase Retards the Progression of Angioproliferative Pulmonary Hypertension in Female Rats

S. P. Tofovic

Session B28 CELL AND MATRIX MICROENVIRONMENTS MODULATE LUNG DISEASE

Pacific Ballroom 15-17 (North Tower, First Floor) - Marriott Marquis San Diego Marina **9:15 AM - 11:15 AM**

Presentation A2907 / 912

9:15 AM - 11:15 AM

Designing Perfusate for Prolonged Normothermic Ex Vivo Lung Perfusion to Investigate Diseased Lungs

M. Rojas

Presentation A2912 / 917

9:15 AM - 11:15 AM

MicroRNA Sequencing of Peripheral Blood Mononuclear Cells and Disease Staging and Severity in Sarcoidosis

K. F. Gibson, A. M. Morris, Y. Zhang

Session B60 HERE WE CLOT AGAIN: CLINICAL STUDIES IN PE AND CTEPH

Area J (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Facilitator: Belinda Natalia. Rivera-Lebron, MD, MS

11:15 AM - 1:00 PM

Presentation A3762 / P1080

11:15 AM - 1:00 PM

Recurrent Venous Thromboembolism Is Common in Adults with Sickle Cell Disease

S. Nouraie

Session B61 EPITHELIAL CELL BIOLOGY IN RESPIRATORY DISEASE

Area H (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Facilitator: James David. Londino, PhD

11:15 AM - 1:00 PM

Session B62 LUNG CYTOPROTECTION AND IMMUNITY DURING INFECTIONS

Area H (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A3847 / P938

11:15 AM - 1:00 PM

Aggravated Erythrophagocytosis Impairs IFN γ - Mediated Irg1 Expression in Response to Klebsiella Pneumoniae

J. Lee

Session B64 COPD: LUNG FUNCTION, IMAGING AND PATHOPHYSIOLOGY

Area L (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A3897 / P1432

11:15 AM - 1:00 PM

Chest CT Pectoralis Muscle Size Validated with Dual Energy X-Ray Absorptiometry Measurements of Body Composition Is Associated with Lung Function in COPD

M. E. O'Brien, D. Chandra, F. C. Sciruba, J. Bon

Session B65 ASTHMA: PATHOPHYSIOLOGY AND CLINICAL TRIALS

Area H (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A3948 / P1005

11:15 AM - 1:00 PM

Characteristics of Inhaled Particle Deposition in the Lungs of Imaging-Based Asthma Clusters: A Numerical Study

S. E. Wenzel

Session B66 WHAT'S NEW IN VASCULAR AND PLEURAL DISEASE

Area J (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A3952 / P1116

11:15 AM - 1:00 PM

Inhibition of the SCF^{FBXO3} E3 Ligase as a Novel Anti-Inflammatory Therapy for Atherosclerosis

D. Chandra, Y. Zhang, T. Nyunoya, F. C. Scirba, B. Chen, R. K. Mallampalli

Facilitator: Michael G. Risbano, MD, MA

11:15 AM - 1:00 PM

Session B67 RISK AND PREVALENCE OF SLEEP DISORDERED BREATHING

Area C (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A3962 / P173

11:15 AM - 1:00 PM

Global Prevalence of Obstructive Sleep Apnea in Adults: Estimation Using Currently Available Data

S. R. Patel

Session B82 CONTROVERSIES IN THE DIAGNOSIS AND TREATMENT OF COPD

Ballroom 20 B-C (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation: *PRO: Is Personalized Treatment a Viable Goal?*

Frank C. Scirba, MD

2:35 PM - 2:45 PM

Session B102 CLINICAL TRIALS AND STUDIES IN COPD

Room 30 C-E (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation A4230 / 604

2:15 PM - 4:15 PM

Mepolizumab for Eosinophilic Chronic Obstructive Pulmonary Disease (COPD): A Meta-Analysis of METREX and METREO Patient-Reported Outcomes, Response to Therapy and Lung Function

F. C. Scirba

Session B95 CRITICAL CARE: BIOMARKERS IN ARDS AND SEPSIS FROM GENES TO MICROBIOME

Room 29 A-D (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation A4177

3:00 PM - 3:15 PM

Next-Generation Sequencing of the Respiratory Microbiome as a Diagnostic Tool of Severe Bacterial Pneumonia in Mechanically Ventilated Patients

G. Kitsios, B. Methe, A. M. Morris, B. J. McVerry

Session B104 CRITICAL CARE: BIG DATA IN HEALTH CARE - PREDICTIVE ANALYTICS, CLINICAL DECISION SUPPORT, AND RAPID RESPONSE

Room 31 A-C (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Moderator: Ian Barbash, MD

2:15 PM - 4:15 PM

Session B97 IMPORTANCE OF LONGITUDINAL COHORT STUDIES IN PEDIATRICS

Room 6 C/F (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation A7806

3:15 PM - 3:30 PM

Children with Severe Asthma Are Likely to Become Less Severe During Adolescence: Preliminary Results of the SARP III Pediatric Longitudinal Study

S. E. Wenzel

Session B107 MECHANISTIC ADVANCES IN PULMONARY FIBROSIS

Pacific Ballroom 15-17 (North Tower, First Floor) - Marriott Marquis San Diego Marina

2:15 PM - 4:15 PM

Presentation A4356 / 916

2:15 PM - 4:15 PM

Single Cell RNA-Seq Analysis of Idiopathic Pulmonary Fibrosis Reveals Alterations in Lung Cell Populations and in Selective Cell Expression of the Biomarkers MMP-7, CCL-18, and MUC1

E. Valenzi, M. Rojas, A. L. Mora

Presentation A4351 / 911

2:15 PM - 4:15 PM

Cyb5R3 an External Mitochondrial NADH - Dependent Reductase Confers Protection Against Lung Fibrosis

M. Bueno, A. L. Mora

Session B108 PULMONARY HYPERTENSION: THE LATEST FINDINGS

Pacific Ballroom 24-26 (North Tower, First Floor) - Marriott Marquis San Diego Marina

2:15 PM - 4:15 PM

Presentation A4372 / 1007 **2:15 PM - 4:15 PM**
Right Ventricular-Pulmonary Arterial Uncoupling During Exercise in Pulmonary Hypertension
T. Bachman

Session B109 T REATMENT OPTIONS IN SLEEP DISORDERED BREATHING: ADHERENCE AND HEALTH OUTCOMES

Room 6 E (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**

Presentation A4402 / 312 **2:15 PM - 4:15 PM**
Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea-Results from the Adhere Registry
P. J. Strollo

Moderator: Patrick J. Strollo, MD **2:15 PM - 4:15 PM**

TUESDAY, MAY 22, 2018

Session C31 MECHANISTIC INSIGHTS INTO LUNG INFECTION

Area K (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 4:15 PM**

Presentation A4706 / P1138 **11:15 AM - 1:00 PM**
The E3 Ubiquitin Ligase MARCH8 Degrades the Interferon Gamma Receptor
R. K. Mallampalli

Presentation A4709 / P1141 **11:15 AM - 1:00 PM**
Association Between Systemic Inflammation and Lung Dysfunction in HIV-Infected Individuals
S. Qin, S. Nouraie, M. Fitzpatrick, A. M. Morris

Presentation A4712 / P1144 **1:15 AM - 1:00 PM**
Initiation of Antiretroviral Therapy Is Associated with Altered Levels of Circulating Inflammation Biomarkers in HIV-Infected Individuals
S. M. Nouraie, M. Fitzpatrick, A. M. Morris, S. Qin

Presentation A4713 / P1145 **11:15 AM - 1:00 PM**
Assessment of Th17 Pathway and Association with Lung Function in HIV-Infected Individuals Initiating Antiretroviral Therapy
S. M. Nouraie, M. Fitzpatrick, A. M. Morris, S. Qin

Session C32 LUNG TRANSPLANTATION: CLINICAL STUDIES

Area H (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 4:15 PM**

Presentation A4732 / P852 **11:15 AM - 1:00 PM**
Gene Expression Profiling of Lung Transplant Patients Using Next-Generation Sequencing to Identify Biomarkers for Chronic Lung Allograft Dysfunction
K. Chen, J. F. McDyer

Facilitator: John F. McDyer, MD **11:15 AM - 1:00 PM**

Session C36 CLINICAL STUDIES IN SARCOIDOSIS

Area H (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 4:15 PM**

Presentation A4816 / P891 **11:15 AM - 1:00 PM**
Microbiota and Clinical Variable Associations in Alpha-1 Antitrypsin Deficiency and Sarcoidosis
A. M. Morris, Y. Zhang, K. F. Gibson, B. A. Methe

Presentation A4820 / P895 **11:15 AM - 1:00 PM**
Weighted Gene Co-Expression Network Analysis of Bronchoalveolar Lavage Cells Transcriptome Identifies New Molecular Endotypes in a Large Cohort of Subjects with Sarcoidosis
K. F. Gibson, A. M. Morris, Y. Zhang

Session C38 IMPROVING QUALITY AND UTILIZATION OF END OF LIFE AND PALLIATIVE CARE

Area B (Hall A-B2, Ground Level) - San Diego Convention Center	9:15 AM - 4:15 PM
Presentation A4876 / P84	11:15 AM - 1:00 PM
<i>Palliative Care Utilization in the Last Year of Life by Lung Transplant Recipients at the University of Pittsburgh</i>	
E. Nolley , S. Nouraie , M. R. Morrell	
Session C40 INNOVATIVE MEDICAL EDUCATION RESEARCH AND TRAINING PROGRAMS	
Area B (Hall A-B2, Ground Level) - San Diego Convention Center	9:15 AM - 4:15 PM
Presentation A4905 / P115	11:15 AM - 1:00 PM
<i>Piloting a Targeted, Spaced, Mastery-Learning Global Health Point-of-Care Ultrasound Curriculum for Internal Medicine Residents: Assessment Development and Bolus Application</i>	
S. Maximous , P. E. Lamberty	
Presentation A4910 / P120	11:15 AM - 1:00 PM
<i>A Novel Program to Leverage Resources of an Organ Procurement Organization for Teaching Medical Procedures</i>	
P. E. Lamberty, R. Semaan, J. Chiarchiaro, S. Maximous	
Session C13 THE MICROBIOME IN CHRONIC AIRWAYS DISEASE	
Room 32 A-B (Upper Level) - San Diego Convention Center	9:15 AM - 11:15 AM
Presentation	9:15 AM - 9:30 AM
<i>The Relevance of Microbiome: Lessons from Outside the Lung</i>	
Alison M. Morris, MD, MS	
Moderator: Georgios Kitsios, MD, PhD	9:15 AM - 11:15 AM
Session C37 OPTIMIZING ASTHMA CARE ACROSS DIVERSE PATIENTS	
Area A (Hall A-B2, Ground Level) - San Diego Convention Center	9:15 AM - 4:15 PM
Presentation A4847 / P24	11:15 AM - 1:00 PM
Zileuton Use and Phenotypic Features in Asthma	
S. Nouraie	
Session C14 NEW DEVELOPMENTS IN INTERVENTIONAL PULMONARY MEDICINE	
Room 33 A-C (Upper Level) - San Diego Convention Center	9:15 AM - 11:15 AM
Presentation A4438	10:30 AM - 10:45 AM
<i>Coil Treatment and Quantitative CT Emphysema Measures: A Post Hoc Analysis of RENEW Trial Outcomes</i>	
F. C. Scirba	
Session C24 NEW TECHNOLOGIES FOR MANAGING COPD	
Room 30 C-E (Upper Level) - San Diego Convention Center	9:15 AM - 11:15 AM
Presentation A7752 / 620	9:15 AM - 11:15 AM
<i>Effectiveness of the Zephyr Endobronchial Valves (EBV) in Patients with Severe Emphysema: Clinical Outcomes From LIBERATE, a Multicenter RCT</i>	
F. C. Scirba	
Session C43 TOPICS IN INTERVENTIONAL PULMONARY AND PLEURAL DISEASES	
Area H (Hall A-B2, Ground Level) - San Diego Convention Center	9:15 AM - 4:15 PM
Facilitator: Frank C. Scirba, MD	11:15 AM - 1:00 PM
Session C15 CRITICAL CARE: BIG DATA AND ARTIFICIAL INTELLIGENCE IN CRITICAL ILLNESS	
Room 29 A-D (Upper Level) - San Diego Convention Center	9:15 AM - 11:15 AM
Presentation A4448	11:00 AM - 11:15 AM
<i>Prediction for Hypotension Episode with Multigranular Data in the Intensive Care Unit</i>	
J. Yoon	

Session C60 TRANSLATIONAL AND BASIC INVESTIGATIONS IN PULMONARY INFECTION

Area K (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A5491 / P1271

11:15 AM - 1:00 PM

Comparison of Fungal DNA Extraction Methodologies for Mycobiome Analysis

B. Methe, A. M. Morris

Session C51 CRITICAL CARE CASE REPORTS: YOU GIVE ME FEVER - INFECTION AND SEPSIS

Area G (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A5219 / P679 **11:15 AM - 1:00 PM**

Bacterial DNA Next Generation Sequencing Can Detect Culprit Pathogens Missed by Cultures and Impact Antibiotic Management Decisions in Severe Bacterial Pneumonia: A Case Report

D. G. Dunlap, B. J. McVerry, A. M. Morris, G. Kitsios

Session C61 PULMONARY INFECTIONS: CLINICAL INVESTIGATIONS

Area K (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A5502 / P1283 **11:15 AM - 1:00 PM**

*Development of Human Serum Resistance in Carbapenemase-Producing *Klebsiella Pneumoniae* and Persistent Bacteremia*

W. Bain, J. Lee

Session C70 WHO'S NEXT? NEW INSIGHTS INTO ATYPICAL WHO GROUP 1 AND GROUP 2-5 PH

Area C (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A5702 / P194

11:15 AM - 1:00 PM

Effect of Remodulin in Pulmonary Hypertension Associated with Heart Failure with Preserved Ejection Fraction (PH-HFpEF)

Y. Lai, A. L. Mora, M. T. Gladwin

Presentation A5706 / P198

11:15 AM - 1:00 PM

Identification of Novel SIRT3 Activators as Therapeutic Prospects for PH-HFpEF

A. Levine, B. Chen, Y. Lai, M. T. Gladwin

Session C27 BALLROOM (PH) BLITZ: BASIC BIOLOGY

Room 28 C-E (Upper Level) - San Diego Convention Center

9:15 AM - 11:15 AM

Presentation A4612 / 503

9:15 AM - 11:15 AM

Red Blood Cell Derived Microparticles Contribute to Development of Post-Splenectomy Pulmonary Hypertension in a Thalassemic Murine Model

J. Lee, M. T. Gladwin

Presentation A4618 / 509

9:15 AM - 11:15 AM

TGF β , SMAD2/3 and Akt Signaling in Pulmonary Vascular Smooth Muscle Cells in Pulmonary Arterial Hypertension

A. Ray, E. A. Goncharova

Presentation A4630 / 521

9:15 AM - 11:15 AM

Human Group 2 Pulmonary Hypertension Platelets Show Increased Glycolysis and Oxygen Consumption

Q. Nguyen, M. T. Gladwin

Session C71 CALIFORNIA DREAMING: NEW INSIGHTS INTO ENDOTHELIAL DYSFUNCTION IN ARDS

Area H (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 4:15 PM

Presentation A5737 / P956

11:15 AM - 1:00 PM

Trim21 Inhibits Human Lung Microvascular Endothelial Cell Inflammatory Responses Through Attenuation of NF- κ B Pathway and Intercellular Adhesion Molecules Expression

P. Sundd, J. Zhao

Session C28 ROLE OF CELLULAR CROSS TALK IN LUNG HOMEOSTASIS AND AGING

Pacific Ballroom 15-17 (North Tower, First Floor) - Marriott Marquis San Diego Marina **9:15 AM - 4:15 PM**

Presentation A4647 / 916 **11:15 AM - 1:00 PM**
Idiopathic Pulmonary Fibrosis After Lung Transplantation: Shortened Telomere Length, the DNA Damage Response, and Immune Senescence
S. Winters, I. Popescu, J. K. Alder, J. F. McDyer

Moderator: Marta Bueno, PhD **9:15 AM - 11:15 AM**

Session C72 PULMONARY FIBROSIS: MECHANISMS AND MODELS
Area D (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 4:15 PM**

Presentation A5742 / P269 1 **1:15 AM - 1:00 PM**
The Role of Lysyl Oxidase in Systemic Sclerosis-Associated Lung Fibrosis
J. M. Pilewski

Presentation A5755 / P282 **11:15 AM - 1:00 PM**
An Update on the Global Idiopathic Pulmonary Fibrosis (IPF) Collaborative Network: A Platform for IPF Genetics
K. F. Gibson, D. Kass, Y. Zhang

Presentation A5761 / P288 **11:15 AM - 1:00 PM**
Tyrosine Phosphorylation of Tollip on C2 Domain Is Important for TGF-beta Pathway Inhibition Through Modulation of Smad7 Expression
J. Zhao3, D. Kass1, Y. Zhang1

Session C88 YES, YOUR PULMONARY PATIENT IS READY FOR PALLIATIVE CARE
Room 30 A-B (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**

Chair: Kathleen O. Lindell, PhD, RN **2:15 PM - 4:15 PM**

Session C92 DISEASE MODIFICATION IN COPD: ARE WE THERE YET?
Room 33 A-C (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**

Chair: Frank C. Sciurba, MD **2:15 PM - 4:15 PM**

Session C85 SCIENTIFIC BREAKTHROUGHS: CELL FUNCTION, FATE AND FITNESS: ROLE OF MITOCHONDRIA. IN MEMORY OF ANDREW M. TAGER
Pacific Ballroom 21 (North Tower, First Floor) - Marriott Marquis San Diego Marina **2:15 PM - 4:15 PM**

Presentation:
Cyb5R3 an External Mitochondrial NADH-Dependent Reductase Confers Protection Against Lung Fibrosis
Marta Bueno, PhD **3:00 PM - 3:15 PM**

Center for Career Development (CCD)
San Diego Convention Center, Sails Pavilion (Upper Level)

Presentation: **3:30 PM - 4:30 PM**
Strategies for successfully applying for and obtaining grant funding
Rama K. Mallampalli, MD

Session C90 SLEEP AND LUNG DISEASE: COMMON AND ILLICIT BED PARTNERS
Room 1 A-B (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**

Presentation:
Insomnia, Sleep Quality and Lung Disease Burden
Patrick J. Strollo, MD **3:45 PM - 4:05 PM**

Session C101 ASTHMA CLINICAL AND MECHANISTIC STUDIES
Room 11 A-B (Upper Level) - San Diego Convention Center **2:15 PM - 4:15 PM**

Moderator: Anuradha Ray, PhD

Presentation A5949 / 405 **2:15 PM - 4:15 PM**
Type 2 Biomarkers Associated with Dupilumab Efficacy in Patients with Uncontrolled, Moderate-To-Severe Asthma Enrolled in the Phase 3 Study LIBERTY ASTHMA QUEST

S. E. Wenzel

Presentation A5961 / 417 **2:15 PM - 4:15 PM**
The Effect of rs750064 on SPLUNC1 Expression and Function in Asthmatic Airway Epithelial Cells

S. E. Wenzel

Presentation A5967 / 423 **2:15 PM - 4:15 PM**
Understanding Heterogeneity in Severe Asthmatics Using High Dimensional Analysis of Cellular Phenotypes

M. Camiolo , X. Zhou , T. B. Oriss, S. E. Wenzel , A. Ray

Session C102 ADVANCING LUNG CANCER SCREENING PROCESSES AND OUTCOMES

Room 6 D (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation A5991 / 222 **2:15 PM - 4:15 PM**
E-Consult Management of Lung Nodules: Do Primary Care Providers Follow Recommendations?

C. W. Atwood

Session C95 PROGRESS WITH BIOMARKER DEVELOPMENT IN COPD

Room 29 A-D (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Moderator: Jessica M. Bon, MD, MS

2:15 PM - 4:15 PM

Presentation A5908 **2:30 PM - 2:45 PM**
Distinct Protein Expression Profiles Are Associated with Cross-Sectional Clinical Phenotypes and Disease Progression in Former and Current Smokers

Y. Zhang , M. Nouraie, D. Chandra, J. M. Bon , F. C. Scieurba

Presentation A5912 **3:30 PM - 3:45 PM**
Mepolizumab for Eosinophilic Chronic Obstructive Pulmonary Disease (COPD): A Meta-Analysis of METREX and METREO Exacerbation Endpoints

F. C. Scieurba

Session C107 HIV: BENCH TO BEDSIDE

Grand Ballroom 11-13 (North Tower, Lobby Level) - Marriott Marquis San Diego Marina

2:15 PM - 4:15 PM

Presentation A6104 / 818 **2:15 PM - 4:15 PM**
Use of Magnetic Activated Cell Sorting to Identify Immunoglobulin-Bound Bacteria in Bronchoalveolar Lavage Fluid in Individuals with HIV and COPD

D. G. Dunlap, B. Methe , A. M. Morris

Session C97 DIFFUSE PARENCHYMAL LUNG DISEASES: EVALUATION, OUTCOMES, AND TRIALS

Grand Ballroom 5-6 (North Tower, Lobby Level) - Marriott Marquis San Diego Marina

2:15 PM - 4:15 PM

Presentation A5927 **3:30 PM - 3:45 PM**
A Phase 2 Trial of KD025 to Assess Efficacy, Safety and Tolerability in Patients with Idiopathic Pulmonary Fibrosis

K. F. Gibson

Session C98 SLEEP PHENOTYPES, GENETICS, AND BIOMARKERS: NOVEL INSIGHTS

Room 7 A-B (Upper Level) - San Diego Convention Center

2:15 PM - 4:15 PM

Presentation A5931 **2:30 PM - 2:45 PM**
Epigenome-Wide Association Studies Shows DNA Methylation Association with Excessive Daytime Sleepiness Among African Americans

S. R. Patel

Session D8 UNRAVELING THE MYSTERIES OF THE MITOCHONDRIA IN PULMONARY INFLAMMATION/INJURY
Room 14 A-B (Mezzanine Level) - San Diego Convention Center **9:15 AM - 11:15 AM**

Presentation:
Mitochondria Damage Associated Molecular Patterns (DAMPs) in Bacterial Pneumonia
Prabir Ray, PhD **10:15 AM - 10:35 AM**

Presentation:
Mitophagy and Mesenchymal Stem Cell Survival
Luis A. Ortiz, MD **10:35 AM - 10:55 AM**

Session D7 FROM CANCER BIOLOGY TO NEW THERAPEUTICS: TARGETING CELL PROLIFERATION SIGNALING HUBS IN PULMONARY HYPERTENSION AND FIBROSIS
Room 15 A-B (Mezzanine Level) - San Diego Convention Center **9:15 AM - 11:15 AM**

Presentation:
HIPPO-mTOR Signaling Hubs: Cancer-Like Alterations in Pulmonary Hypertension
Elena A. Goncharova, PhD **9:35 AM - 9:55 AM**

Presentation:
PH: From Cancer Biology to New Therapeutics: Are We Ready to Translate?
Mark T. Gladwin, MD **10:55 AM - 11:15 AM**

Session D21 INFECTIONS AND IMMUNITY
Grand Ballroom 11-13 (North Tower, Lobby Level) - Marriott Marquis San Diego Marina **9:15 AM - 11:15 AM**

Presentation A6231 / 811 **9:15 AM - 11:15 AM**
Host Matricellular Protein Thrombospondin-1 Limits Extracellular Matrix Proteolysis During Acute Pseudomonas Aeruginosa-Induced Lung Injury
W. Bain, J. Bomberger, J. M. Pilewski, A. Ray, P. Ray, J. Lee

Presentation A6239 / 819 **9:15 AM - 11:15 AM**
The Inflammasome Potentiates Influenza, Staphylococcus Aureus Super-Infection in Mice
K. M. Robinson

Session D14 ILD: CLINICAL RESEARCH
Room 3 (Upper Level) - San Diego Convention Center **9:15 AM - 11:15 AM**

Presentation A7785 **9:15 AM - 9:30 AM**
Randomized, Double-Blind, Placebo-Controlled, Multiple Dose, Dose-Escalation Study of BG00011 (Formerly STX-100) in Patients with Idiopathic Pulmonary Fibrosis (IPF)
K. F. Gibson

Session D40 COPD: CASE REPORTS
Area L (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 3:30 PM**

Facilitator: Craig Riley, MD **11:15 AM - 1:00 PM**

Session D36 PLEURAL DISEASE: CASE REPORTS II
Area G (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 3:30 PM**

Presentation A6691 / P709 **11:15 AM - 1:00 PM**
Smells Like Anaerobes: Cooperative Immune Evasion and a Foul-Smelling Intensive Care Unit
K. M. DeMerle, B. J. McVerry

Session D37 CF AND NON-CF BRONCHIECTASIS AND IMMUNE DEFICIENCIES: CASE REPORTS
Area G (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 3:30 PM**

Facilitator: Keven M. Robinson, MD **11:15 AM - 1:00 PM**

Session D39 DYSPNEA: CASE REPORTS II
Area G (Hall A-B2, Ground Level) - San Diego Convention Center **9:15 AM - 3:30 PM**

Facilitator: John Evankovich, MD

11:15 AM - 1:00 PM

Session D17 THE BEASTS WITHIN US: TARGETING THE MICROBIOME

Pacific Ballroom 21 (North Tower, First Floor) - Marriott Marquis San Diego Marina

9:15 AM - 11:15 AM

Moderator: Alison M. Morris, MD, MS

9:15 AM - 11:15 AM

Session D26 WITH FRIENDS LIKE THESE: INSIDE THE SPECTRUM OF PE AND CTEPH

Room 28 C-E (Upper Level) - San Diego Convention Center

9:15 AM - 11:15 AM

Presentation A6334 / 506

9:15 AM - 11:15 AM

Clinical Characteristics of Venous Thromboembolism in Patients with Sickle Cell Disease

S. Nourai

Session D18 THE EPI (THELIAL) CENTER IN LUNG DISEASE

Pacific Ballroom 22 (North Tower, First Floor) - Marriott Marquis San Diego Marina

9:15 AM - 11:15 AM

Presentation A6208

10:00 AM - 10:15 AM

ATF3 Plays a Role in AECII ER Stress-Mediated Mitochondrial Dysfunction and the Susceptibility to Lung Fibrosis

M. Bueno, M. Rojas, A. L. Mora

Session D50 CLOT ON THE ROCKS: CASE REPORTS OF PE AND CTEPH

Area E (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 3:30 PM

Presentation A7037 / P479

11:15 AM - 1:00 PM

Acute Massive PE Treated with Low Dose Systemic Thrombolytic Infusion

I. Barbash, J. Chiarchiaro, F. Shah

Session D53 OFF THE BEATEN PATH: NEW APPROACHES TO COPD PATHOGENESIS

Area L (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 3:30 PM

Presentation A7115 / P1347

11:15 AM - 1:00 PM

Altered Phenotype of Human Lung Mesenchymal Stem Cells in Patients with COPD and IPF

N. Cardenes⁵, M. Rojas⁷

Presentation A7150 / P1382

11:15 AM - 1:00 PM

Peroxisome Proliferator-Activated Receptor γ -Mediated Regulation of Glutathione Peroxidase 3 in COPD

R. C. Reddy

Session D54 INTERPLAY OF DIVERSE CELLULAR AND MOLECULAR PATHWAYS IN ASTHMA AND AIRWAY DISEASE

Area L (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 3:30 PM

Facilitator: Nathaniel M. Weathington, MD, PhD

11:15 AM - 1:00 PM

Session D28 RESPIRATORY DISEASE DIAGNOSIS: PULMONARY FUNCTION TESTING AND IMAGING

Pacific Ballroom 24-26 (North Tower, First Floor) - Marriott Marquis San Diego Marina

9:15 AM - 11:15 AM

Presentation A6396 / 1023

9:15 AM - 11:15 AM

Prevalence and Mechanism of Clinical Symptoms in Smokers with Preserved Pulmonary Function

D. Chandra, T. Nyunoya, J. M. Bon, C. Riley, F. C. Sciurba

Session D29 PATHOPHYSIOLOGY OF OSA: INTERMITTENT HYPOXIA AND BEYOND

Room 6 E (Upper Level) - San Diego Convention Center

9:15 AM - 11:15 AM

Presentation A6404 / 306

9:15 AM - 11:15 AM

Physiology of an Aged Mouse Model of Long-Term Intermittent Hypoxia

C. P. O'Donnell

Session D60 SLEEP PATTERNS IN DIVERSE POPULATIONS

Area F (Hall A-B2, Ground Level) - San Diego Convention Center

9:15 AM - 3:30 PM

Presentation A7289 / P571 **11:15 AM - 1:00 PM**
Sleep Duration and Measures of Obesity in a Biracial Cohort: The Bogalusa Heart Study
S. R. Patel

Session L27 LESSONS LEARNED FROM NHLBI SPONSORED INHALED PROGRAM: HIV AND AGING
Room 30 A-B (Upper Level) - San Diego Convention Center **12:15 PM - 1:15 PM**
Chair: John F. McDyer, MD **12:15 PM - 1:15 PM**

Session L28 LONGITUDINAL STABILITY OF SEVERE ASTHMA PHENOTYPES AND ENDOTYPES FROM THE NHLBI SEVERE ASTHMA RESEARCH PROGRAM
Room 29 A-D (Upper Level) - San Diego Convention Center **12:15 PM - 1:15 PM**
Chair: Sally E. Wenzel, MD **12:15 PM - 1:15 PM**
Presentation:
SARP Through the Years
Sally E. Wenzel, MD **12:45 PM - 1:00 PM**
Group Discussion **1:00 PM - 1:15 PM**
Sally E. Wenzel, MD

Session D82 INTERVENTIONAL APPROACHES TO THE TREATMENT OF OBSTRUCTIVE LUNG DISEASES
Ballroom 20 B-C (Upper Level) - San Diego Convention Center **1:30 PM - 3:30 PM**
Presentation
Lung Reduction in Advanced Emphysema
Frank C. Sciruba, MD **2:45 PM - 3:00 PM**

Session D92 GENETICS AND GENOMICS OF OBSTRUCTIVE LUNG DISEASE
Room 6 A (Upper Level) - San Diego Convention Center **1:30 PM - 3:30 PM**
Presentation A7361 **1:30 PM - 1:45 PM**
Bronchial Alveolar Lavage Gene Expression Discovers New Biological Mechanisms and Further Refines Phenotypes in Severe Asthma
N. M. Weathington, S. E. Wenzel
Presentation A7362 **1:45 PM - 2:00 PM**
Distinguishing Molecular Phenotypes in Severe Asthma Using Genomic Signatures of the Airway Epithelial Inflammatory Response in the Severe Asthma Research Program
S. E. Wenzel

Session D101 MECHANISTIC AND TRANSLATIONAL STUDIES IN COPD
Room 30 C-E (Upper Level) - San Diego Convention Center **1:30 PM - 3:30 PM**
Presentation A7433 / 612 **1:30 PM - 3:30 PM**
Gene Co-Expression Networks Analysis Reveals Novel Molecular Endotypes in Alpha-1 Antitrypsin Deficiency
K. F. Gibson, A. M. Morris, Y. Zhang, F. C. Sciruba

Session D104 PHENOTYPES AND THE MULTIPLE DIMENSIONS OF COPD
Room 28 C-E (Upper Level) - San Diego Convention Center **1:30 PM - 3:30 PM**
Presentation A7504 / 514 **1:30 PM - 3:30 PM**
Low Bone Mineral Density and Fat-Free Mass Index in Current and Former Smokers with COPD
J. M. Bon
Presentation A7505 / 515 **1:30 PM - 3:30 PM**
Acute Exacerbations of Chronic Obstructive Pulmonary Disease Are Associated with Incident Hip Fractures in Smokers
J. M. Bon, S. Nouraie

Session D94 CRITICAL CARE: TRANSLATING PRACTICE TO OUTCOMES FOR OUR PATIENTS WITH ACUTE CRITICAL ILLNESS

Room 29 A-D (Upper Level) - San Diego Convention Center

1:30 PM - 3:30 PM

Presentation A7382

3:00 PM - 3:15 PM

Effects of Changes in the ICU Beds Supply on ICU Utilization in the United States

I. Barbash

Session D96 CRACKING THE CELLULAR CODE IN PULMONARY HYPERTENSION

Room 30 A-B (Upper Level) - San Diego Convention Center

1:30 PM - 3:30 PM

Presentation A7395

2:15 PM - 2:30 PM

Upregulation of CHK1 in PAH-PASMCs Is Essential for Proliferation and Survival by Promoting DNA Repair Mechanisms

T. Peterlini , M. C. Lampron , N. Samson , A. Bourgeois , S. Breuils-Bonnet , T. Bertero , **S. Y. Chan** , S. Provencher , O. Boucherat , S. Bonnet ; CRIUCPQ, Quebec, QC, Canada, IRCAN, Nice, France, Division of Pulmonary, Allergy and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, United States.

Presentation A7396

2:30 PM - 2:45 PM

Non-Canonical Vascular Smooth Muscle HIPPOKINASE1/2 Signaling in Pulmonary Arterial Hypertension

A. Ray, E. A. Goncharova

Session D109 NEW PLAYERS IN LUNG INJURY AND REPAIR

Pacific Ballroom 15-17 (North Tower, First Floor) - Marriott Marquis San Diego Marina

1:30 PM - 3:30 PM

Presentation A7595 / 901

1:30 PM - 3:30 PM

Platelet and Airway Epithelium Bioenergetics Are Different in Obese Versus Lean Asthmatics

S. Shiva

Presentation A7605 / 911

1:30 PM - 3:30 PM

TACC2 Protein Mediates Epithelial Cell Survival and Alveolar Integrity Against Cigarette Smoke Exposure

T. Nyunoya, C. Zou , R. Mallampalli