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INTERNATIONAL CONFERENCE

May 17- May 22, 2019

Dallas, Texas

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**FINAL
PROGRAM**

- 315** **Linezolid Interruption in Patients with Extensively Drug Resistant Tuberculosis Receiving a Bedaquiline-Based Treatment Regimen/O.** Olayanju, A. Esmail, P. Gina, K. Dheda, Cape Town, South Africa, p.A4428
- 316** **Evaluation of NAT2 Gene Polymorphisms in Antituberculosis Drug Induced Liver Injury: An Associated Study in a Chinese Population/Y.** Wang, J.-Q. He, Chengdu, China, p.A4429
- 317** **Cost Analysis of Rifampin Desensitization Versus a Non-Rifampin Containing Regimen for the Treatment of Active Tuberculosis (TB) in Patients with Rifampin Allergy/J.** Batt, D. Denis, G. Regan, J. Telchi, W. Isaranuwachai, N. Vozoris, Toronto, Canada, p.A4430
- 318** **Measuring the Early Impact on Transmission of New Treatment Regimens for Drug Resistant Tuberculosis/E.A.** Nardell, A. Stoltz, E. de Kock, R. Nathavitharana, P. Jensen, C. Mendel, M. Spigelman, Boston, MA, p.A7387
- 319** **Preliminary Results of an Experimental Medicine Trial of Adjunctive Host-Directed Therapy in Adults with Moderately or Far-Advanced Rifampin-Susceptible Pulmonary Tuberculosis/R.S.** Wallis, S. Ginindza, T. Beattie, N. Arjun, M. Likoti, V. Edward, M. Rassool, K. Ahmed, K. Fielding, B. Ahidjo, M.D.T. Vangu, G. Churchyard, Johannesburg, South Africa, p.A7388
- 605** **Chronic TGF β 1-Signaling in Pulmonary Arterial Hypertension Induces Sustained Canonical Smad3 Pathways in Vascular SMC/L.** Calvier, P. Chouvarine, E. Legchenko, G. Kokeny, M.M. Mozes, G. Hansmann, Dallas, TX, p.A4435
- 606** **Rat Lung Epithelial Cells Over Expressing Type II TGF β Receptor Interacting Protein- 1 (TRIP-1) Have Enhanced Resistance to Hyperoxia Injury Through Regulatory Effects Beyond TGF β Signaling/M.** Nyp, A. Navarro, D. Heruth, V. Sampath, Kansas City, MO, p.A4436
- 607** **Conserved Role of High CO₂ in Regulating Gene Expression of Wnt Signaling Pathway/M.** Shigemura, E. Lecuona, M. Angulo, M.B. Edwards, L.C. Welch, M. Casalino-Matsuda, P.H.S. Sporn, G.A. Nader, I. Vadasz, Y. Gruenbaum, G.J. Beitel, N. Kaminski, S. Berdnikovs, J.I. Sznajder, Chicago, IL, p.A4437
- 608** **Proteomic Profiling of Tracheal Fluid in Ovine Model of Congenital Diaphragmatic Hernia with Fetal Tracheal Occlusion Identifies Dysregulation of Epithelial PI3K/AKT, Wnt, and Notch Signaling/B.M.** Varisco, M. Oria, E. Aydin, R. Joshi, N. Cabanas, R. Schmidt, C. Schroeder, M. Marotta, J. Peiro, Cincinnati, OH, p.A4438
- 609** **Yap Activation and Basal Cell Expansion in Mouse and Rabbit Models of Fetal Tracheal Occlusion/B.M.** Varisco, C. Stephens, E. Aydin, N. Cabanas, M. Oria, J. Peiro, Cincinnati, OH, p.A4439

BASIC • TRANSLATIONAL

RAPID: RAPID ABSTRACT POSTER DISCUSSION SESSION

C28 PATHWAYS OF LUNG MORPHOGENESIS

9:15 a.m. - 11:15 a.m.

KBHCCD

Ballroom D Three (Level 3)

Abstract Summaries

9:15-9:45

Viewing/Discussion

9:45-11:15

Chairing: M.R.J. Kolb, PhD, MD, Hamilton, Canada
C.J. Gottardi, PhD, Chicago, IL
P. Minoo, PhD, Los Angeles, CA

- 601** **Endoplasmic Reticulum Protein Thioredoxin Domain Containing 5 (TXNDC5) as a Novel Therapeutic Target for Pulmonary Fibrosis/T.H.** Lee, Y.T. Lee, F.L. Lu, P.N. Tsao, Y. Fang, K.C. Yang, Taipei, Taiwan, p.A4431
- 602** **BMP Signaling Pathway Is Crucial for the Differentiation of Airway Smooth Muscle Cells/Y.** Luo, W. Shi, H. Chen, Los Angeles, CA, p.A4432
- 603** **The Vascular-Parenchymal Crosstalk Regulates Lung Fibrosis Through Bmpr2 and Ctgf Signaling/T.** Yanagihara, S. Sato, C. Upagupta, K. Ask, J. Gaudie, M. Kolb, Hamilton, Canada, p.A4433
- 604** **Abrogation of Prenatal Mesenchymal TGF- β Signaling Results in Cystic Pulmonary Lesions and Tracheomalacia-Like Abnormality in Neonatal Mice/Q.** Miao, Y. Luo, H. Chen, W. Shi, Beijing, China, p.A4434
- 610** **Wnt5a/ROR2 Signaling Is Associated with Bronchial Development and Bronchiectasis in Patients/D.** Wang, B. Liu, C. Liu, Chengdu, China, p.A4440
- 611** **Multiorgan Abnormalities Due to Beta-Catenin Stabilization in CD11c+ Myeloid Cells/E.** Malsin, S.-J. Kim, A. Flozak, A. Yeldandi, C.J. Gottardi, A. Lam, Chicago, IL, p.A4441
- 612** **Trachealis Muscle Organization Requires Epithelial Signaling Mediated by Wls/D.** Sinner, R. Rosenzweig, K. Burra, J. Amegadzie, N. Hilvano, A. Negri, R. Shah, Cincinnati, OH, p.A4442
- 613** **Krüppel-Like Factor 4 (Klf4) Is a Stat3-Smad2 Regulator in ATII Cells Determining ATII Cell Fate During Lung Development and Hyperoxia-Induced Lung Injury/J.** Mohr, M. Koch, S. Danopoulos, L. Ebert, N. Oikonomou, C. Vohlen, D.V.B. Hirani, D. Al Alam, B. Schermer, J. Dötsch, M.A. Alejandre Alcazar, Cologne, Germany, p.A4443
- 614** **Krüppel-Like Factor 4 (Klf4) Is a Novel Regulator of Forkhead Box Protein O1 (FOXO1) and of Neonatal Lung Fibroblast Function and Reduced in Hyperoxia-Induced Lung Injury/D.V.B.** Hirani, M. Koch, J. Mohr, K. Dinger, C. Vohlen, C. Klautdt, J. Dötsch, M.A. Alejandre Alcazar, Cologne, Germany, p.A4444
- 615** **Single-Cell Transcriptomic Analysis of Type 2 Alveolar Epithelial Cell Differentiation from Induced Pluripotent Stem Cells: An Emerging Tool to Model Interstitial Lung Diseases/ K.J.** Hurley, A. Jacob, J. Ding, C. Lin, F.J. Hawkins, C. Villacorta-Martin, Z. Bar-Joseph, D.N. Kotton, Dublin, Ireland, p.A4445
- 616** **Single Cell RNA Sequencing Analysis in Postnatal Lung Discovers Effects of Hedgehog Signaling on Different Lung Cell Populations/M.C.** Kugler, I. Sulaiman, T.-A. Yie, Y. Cai, L.N. Segal, C.A. Loomis, J. Munger, New York, NY, p.A4446



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Awarded on
May 17, 2019

Karen J. Collishaw, MPP, CAE
Executive Director