Stanford



Vinicio de Jesus Perez MD

Professor of Medicine (PACCM)

Medicine - Pulmonary, Allergy & Critical Care Medicine

CLINICAL OFFICE (PRIMARY)

- **Pulmonary and Critical Care**
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  Stanford, CA 94305
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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**
  Lake Barber - Administrative Assistant
  Email lbarber@stanford.edu
  Tel 408-892-3001

Bio

BIO

My research focuses on defining the molecular, cellular, and genetic mechanisms that drive pulmonary vascular remodeling, right ventricular adaptation and failure, and endothelial-pericyte interactions. Our laboratory has pioneered studies of lung pericyte biology in pulmonary hypertension and continues to investigate how vascular cell crosstalk contributes to disease progression and therapeutic response.

In parallel, I have a longstanding interest in global pulmonary vascular health, working to better understand the worldwide burden of pulmonary hypertension and improve access to care in resource-limited settings. My clinical and translational research also emphasizes drug- and toxin-induced pulmonary hypertension, particularly methamphetamine-associated pulmonary arterial hypertension, with the goal of uncovering disease mechanisms and developing more effective therapies.

As Staff Physician of the Stanford Adult Pulmonary Hypertension Program, I lead and participate in clinical trials evaluating novel therapies for pulmonary hypertension, with the overarching goal of translating scientific discoveries into improved patient outcomes.

CLINICAL FOCUS

- Pulmonary Disease
- Pulmonary Hypertension
- Idiopathic Pulmonary Fibrosis
- Drug Induced Pulmonary Hypertension

ACADEMIC APPOINTMENTS

- Professor, Medicine - Pulmonary, Allergy & Critical Care Medicine
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Associate Dean of MD Admissions, Stanford School of Medicine, (2024- present)
- Co-Chair, CVI Education Committee, (2020- present)
- Member, Student Scholarship Committee, (2018- present)
- Faculty Senator, Stanford University, (2018- present)
- Co-Director, Stanford Translational Investigator Program (TIP), Stanford School of Medicine, (2016-2024)
- Member, Admissions Committee, Stanford Medical Scientist Training Program (MSTP), (2016- present)
- Faculty, TRAM, (2016- present)
- Staff Physician, Adult Pulmonary Hypertension Clinic, (2006- present)
- Faculty Member, Stanford Cardiovascular Institute, (2011- present)
- Assistant Professor of Medicine, Stanford University, (2011- present)
- Faculty Member, CHRI, (2012- present)
- Faculty Member, Bio-X, (2012- present)
- Faculty Member, iBioinformatics, (2015- present)

HONORS AND AWARDS

- Beta Beta Beta Award, Beta Beta Beta (1996)
- Summa cum Laude-Biology, University of Puerto Rico (1996)
- Most Promising Young Profesional 2000, El Nuevo Dia (2000)
- Summa cum Laude-Medicine, University of Puerto Rico (2000)
- Best Intern in Medicine, Massachusetts General Hospital (2001)
- Best Fellow, University of Colorado-Denver (2003)
- American Lung Association Postdoctoral Fellowship Award, American Lung Association (2006)
- AHA 2007 Junior Investigator Travel Award, American Heart Association (2007)
- ATS 2007 Travel award, American Thoracic Society (2007)
- Finalist, Young Investigator Award, Stanford University Medical Center-Cardiovascular Institute (2007)
- Who's Who in America, Madison's Who's Who (2007)
- Who's Who in Medicine in America 2007, Marquis Who's Who in America (2007)
- AHA Scientific Sessions 2008 Best Basic Science Abstract, American Heart Association (2008)
- American Lung Association Career Development Award, American Lung Association (2008)
- Career Development Program in the Genetics and Genomics of Lung Diseases (K12), NIH (2008)
- Fellow, Pulmonary Vascular Research Institute (2008)
- Oak Foundation Grant, Oak Foundation (2008)
- 2008 Professional of the year, Madison Who's who among pofessionals in America (2009)
- ATS travel award, ATS (2009)
- Finalist, BWF award, Burroughs Wellcome Fund (2009)
- Minority Travel Award, ATS (2010)
- Member-at-large, Cardiopulmonary, Critical Care, Perioperative & Resuscitation Council, American Heart Association (2010-)

- Scholar, Harold Amos Career Development Award, Robert Wood Johnson Foundation (2010-2014)
- Wall Center Genomics Research Grant, Vera Moulton Wall Center for Pulmonary Vascular Research (2011-2012)
- Fellow, American College of Chest Physicians (2012)
- Member, Scientific Research Committee, Pulmonary Hypertension Association (2012-)
- Pulmonary Hypertension Breakthrough Initiative, CMREF (2012-)
- OCT as a novel tool in the diagnosis of PAH, CBIS (2012-2013)
- TRAM award, Translational Research and Applied Medicine Program, Stanford University (2012-2013)
- Supplemental Award to Outstanding K08, Pulmonary Hypertension Association (2012-2017)
- CVI seed grant, Stanford CVI (2013)
- Distinguished Faculty Fellow, Stanford University (2013)
- Faculty Member, Faculty of 1000, Pulmonary Vascular Diseases (2013)
- Faculty Member, Faculty Row (2013)
- Faculty of 1000 Reviewer of the year, Faculty of 1000 Prime (2013)
- Fellow, American Heart Association, American Heart Association (2013)
- Keystone Symposia Fellowship, Keystone Symposia (2013)
- American Lung Association Biomedical Research Grant, American Lung Association (2013-2015)
- Be HEARD rare disease challenge award, Assay Depot/Sigma (2013-2015)
- Member of the Planning Committee, 2014 Keystone Symposia Series, Keystone Symposia (2013-2015)
- Cournand and Comroe Award (mentor), American Heart Association (2014)
- Faculty of 1000 Faculty Member of the Year for Respiratory Disorders, Faculty of 1000 (2014)
- Stanford-Karolinska Institute Collaborative Award, Swedish Foundation for International Collaboration (2014-2016)
- The Role of Angiogenesis in Lung development, Stanford Child Health Research Institute (2014-2016)
- Primary Mentor, Hispanic-Serving Health Professions Schools (2015)
- AHA Beginning Grant in Aid, American Heart Association (2015-2017)
- CHRI Pilot Study on LAM/TSC, Stanford CHRI (2015-2017)
- InterMune/Genentech Young Faculty Scholar in Pulmonary Fibrosis, Genentech (2015-2017)
- Mentor, CHRI postdoctoral award, Stanford Child Health Research Institute (2015-2018)
- AHA Scientist Development Award (Mentor), American Heart Association (2015-2019)
- Early Career Award, ATS Pulmonary Circulation Assembly (2016)
- Marquis Who's Who in America, Marquis Who's Who (2016)
- Research Leaders Academy, American Heart Association (2016)
- Young Physician Scientist Award, ASCI (2016)
- BeHeard 2015 Award for LAM Research, Rare Genomics Institute (2016-2017)
- CVI Seed Grant, Cardiovascular Research Institute (2016-2017)
- Dorothy Dee and Marjorie Helene Boring Trust Award, Cardiovascular Institute (2016-2017)
- Proof of Concept Award (Mentor), ATS/Pulmonary Hypertension Association (2016-2017)
- Pulmonary Circulation Assembly Project, American Thoracic Society (2016-2017)
- 1R03HL133423, NIH (2016-2018)
- IM Rosenzweig Junior Investigator award, Pulmonary Fibrosis Foundation (2016-2018)

- BeHeard Award in PAH, Rare Genomics Institute (2017)
- Faculty, AHA Research Leaders Academy, AHA (2017)
- R01HL139664, NIH (2017-2021)
- NIH R01 HL134776, NIH (2017-2022)
- Fellow, American Thoracic Society (2018)
- Manuscript of the Year, Stanford CVI (2019)
- MED223 co-director, Stanford CVI (2019-)
- Cardiovascular Medical Research and Education Fund (CMREF) Educational Grant, The Cardiovascular Medical Research and Education Fund (2019-2020)
- Co-Chair, Education Committee, Stanford CVI (2020)
- Member, Sigma Xi Scientific Honor Society (2020)
- Member, American Society for Clinical Investigation (ASCI) (2020)
- Coherus Innovation Award, Coherus Biosciences (2021-2025)
- AHA MId Career Award, AHA (2024)
- NIH Career Development Award (1 K08 HL105884-01), NIH (7/2012-7/2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member at Large, Pulmonary Circulation Assembly, American Thoracic Society (2009 - present)
- Member at Large, European Respiratory Society (2011 - present)
- Editorial Board, American Journal of Respiratory and Critical Care Medicine (2012 - present)
- Scientific Advisory Council, Pulmonary Hypertension Association (2012 - present)
- Editorial Board, Pulmonary Circulation (2013 - present)
- Member at Large, 3CPR Council, American Heart Association (2013 - present)
- Member at large, Early Diagnosis Committee, Pulmonary Hypertension Association (2013 - present)
- Member, 3CPR Early Career Advisory Committee, American Heart Association (2013 - present)
- PHA Early Diagnosis Campaign, Pulmonary Hypertension Association (2013 - present)
- 3CPR Leadership Committee, American Heart Association (2014 - present)
- Advisory Board Member, Faculty of 1000 (2014 - present)
- Early Career Committee, American Heart Association (2014 - present)
- Editorial Board, Faculty of 1000 (2014 - present)
- Keystone Symposia Scientific Advisory Board, ad-hoc member, Keystone Symposia (2014 - present)
- Ad-Hoc Reviewer, Veni, Netherlands Organisation for Health Research and Development (2015 - present)
- Assembly Chair for Health Disparities in PAH, American Thoracic Society (2015 - present)
- Chair, PH Care for All Initiative (2015 - present)
- Chair, Committee on barriers to PH care for disadvantaged populations, Pulmonary Hypertension Association (2015 - present)
- Member, 2016 Scientific Sessions planning committee, American Heart Association (2015 - present)
- Member, planning committee, 2016 International PH Conference and Scientific Sessions (2015 - present)
- Science to Science Committee, American Heart Association (2015 - present)
- Vascular BioBP Bsc 2 Peer Review Committee, American Heart Association (2015 - present)
- Ad-Hoc Reviewer, Dutch Heart Foundation (2016 - present)

- Ad-Hoc Reviewer, Austrian Science Fund (2016 - present)
- Ad-Hoc Reviewer, Agence Nationale de la Recherche (ANR) (2016 - present)
- Advisory Board Member, F1000Research (2016 - present)
- Member, Mentor, AWIS (2016 - present)
- Academic Editor, Plos One (2017 - present)
- Ad-Hoc Reviewer, Research Lung Foundation, Netherlands (2017 - present)
- Chair Elect, ATS Pulmonary Circulation AssemblyProgramming Committee, American Thoracic Society (2017 - present)
- Chair, 2018 PHA Scientific Sessions, Pulmonary Hypertension Association (2017 - present)
- Member, PVRI Task Force (2017 - present)
- Member, Science and Clinical Education Lifelong Learning (SCILL), AHA (2017 - present)
- Editorial Board, Circulation Research (2018 - present)
- Editorial Board, American Journal of Physiology – Lung Cellular and Molecular Physiology (2018 - present)
- Member, Scientific Leadership Committee, Pulmonary Hypertension Association (2018 - present)
- Ad-Hoc Reviewer, NHLBI RIBT Committee NHLBI Special Emphasis Panels (2019 - present)
- Associate Editor, BMC Pulmonary Medicine (2019 - present)
- Member, NAVBO Educational Committee (2019 - present)
- Member, National Leadership Council, AHA (2019 - present)
- Member, Assembly Programs & Program Review Subcommittee, ATS (2019 - present)
- Member, ATS PC Planning Committee, ATS (2020 - present)

PROFESSIONAL EDUCATION

- Medical Education: University of Puerto Rico Medical University (2000) Puerto Rico
- Fellowship: Univ Of Colorado (2004) CO
- Residency: Massachusetts General Hospital (2003) MA
- Internship: Massachusetts General Hospital (2001) MA
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2007)
- Board Certification: Pulmonary Disease, American Board of Internal Medicine (2006)
- Fellowship: Stanford University Medical Center (2006) CA
- MD, Stanford University , Pulmonary/CCM (2006)
- MD, University of Colorado-Denver , Pulmonary/CCM (2004)
- MD, Massachussetts General Hospital , Internal Medicine (2003)
- MD, University of Puerto Rico , Medicine (2000)
- BS, University of Puerto Rico , Biology (1996)

COMMUNITY AND INTERNATIONAL WORK

- LATAM PVRI Task Force
- Mentorship, Harker High School
- Association for Women in Science
- Stanford Career Development Program in Omics of Lung Diseases, Stanford University
- European Respiratory Society

- National Scleroderma Foundation
- Pulmonary Fibrosis Foundation (PFF)
- Pulmonary Hypertension Educational Committee
- Latin American PH Society
- Pulmonary Vascular Research Institute
- North American Vascular Biology Society
- American College of Chest Physicians
- American Thoracic Society
- American Society of Cell Biology
- American Heart Association
- National PH Association

LINKS

- Lab Page: http://med.stanford.edu/dejesusperezlab/home.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research program is dedicated to understanding the fundamental mechanisms that drive pulmonary vascular disease, with a particular focus on pulmonary arterial hypertension (PAH), a progressive and often fatal disorder characterized by pulmonary vascular remodeling, right ventricular failure, and premature death. The overarching goal of my laboratory is to identify novel pathways that regulate vascular homeostasis and repair, and to translate these discoveries into new therapeutic strategies.

A major focus of our work is the pulmonary endothelium, where we investigate how endothelial dysfunction contributes to vascular rarefaction, inflammation, barrier disruption, and impaired angiogenesis. We have identified several novel pathways involved in these processes, including non-canonical Wnt signaling through ROR2, lipid metabolism regulated by carboxylesterase-1 (CES1), and inflammatory signaling mediated by LITAF and NF-κB. Our studies have revealed critical roles for these pathways in maintaining endothelial integrity, coordinating vascular regeneration, and preventing pathological remodeling.

In parallel, we study the interactions between endothelial cells and pericytes, recognizing that disruption of these cellular partnerships is a key driver of vascular instability and disease progression. Our work has demonstrated that pericytes undergo profound phenotypic changes in PAH, including enhanced proliferation, inflammation, and contractility, while simultaneously losing their ability to support endothelial survival and vascular repair.

More recently, our research has expanded to understanding right ventricular adaptation and failure in pulmonary hypertension. Using human tissues, multi-omics approaches, and experimental models, we investigate how changes in the cardiac microvasculature, endothelial-pericyte interactions, metabolism, and inflammation contribute to the transition from compensated right ventricular hypertrophy to maladaptive heart failure.

Methodologically, our laboratory integrates single-cell and spatial transcriptomics, epigenomics, proteomics, advanced imaging, human precision-cut lung slices, and genetically engineered animal models. We are particularly interested in leveraging these technologies to uncover mechanisms that connect vascular biology, metabolism, inflammation, and aging.

Ultimately, our mission is to bridge fundamental vascular biology and clinical translation, identifying new therapeutic targets that can reverse pulmonary vascular remodeling, preserve right ventricular function, and improve the lives of patients with pulmonary hypertension and related cardiopulmonary diseases.

CLINICAL TRIALS

- Utility of At-home Monitoring of Exercise Capacity by App-based 6-minute Walk Test, Not Recruiting

PROJECTS

- Use of Next Generation Sequencing to Accelerate Discovery of Novel Gene Modifiers associated with Pulmonary Arterial Hypertension. - Stanford University, Hospital Universitario La Paz (Madrid) (September 1, 2017 - present)
- The role of versican in the pathobiology of pulmonary arterial hypertension - Stanford University, Lund University, Karolinska Institute (January 1, 2017 - present)
- Pulmonary Hypertension Education in Puerto Rico - Stanford University, University of Puerto Rico Medical Sciences (January 1, 2017 - present)
- A combined genetic and proteomic approach to identify novel gene modifiers in PAH. - Stanford University, University of Graz (December 1, 2016 - present)

Teaching

COURSES

2026-27

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Win)

2025-26

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Win)

2024-25

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Win)

2023-24

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Aut, Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Arpita Roy, . Sucheta Chopra

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biochemistry (PhD Program)
- Cardiovascular Medicine (Fellowship Program)
- Developmental Biology (PhD Program)
- Medicine (Masters Program)
- Molecular and Cellular Physiology (PhD Program)
- Pulmonary & Critical Care Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Lung Pericytes: Molecular Mechanisms, Signaling Pathways, and Roles in Pulmonary Diseases.** *Comprehensive Physiology*
  Agarwal, S., Bankar, A., de Jesus Perez, V. A.

2026; 16 (4): e70205

- **Advanced Molecular, Metabolic, and Imaging Approaches to Characterizing Right Ventricular Failure: A Scientific Statement From the American Heart Association.** *Circulation*
  Pullamsetti, S. S., Vanderpool, R. R., de Man, F., de Jesus Perez, V. A., Hemnes, A. R., Mukherjee, M., Mercer-Rosa, L., Spiekerkoetter, E., Tello, K., Bonnet, S.
  2026
- **Expanding the genetic burden of low-evidence genes in pulmonary arterial hypertension.** *European journal of human genetics : EJHG*
  Miranda-Alcaraz, L., Mora-Gómez, M., Gallego-Zazo, N., Cruz-Utrilla, A., Del Cerro Marín, M. J., Ochoa Parra, N., Martín de Miguel, I., Gutiérrez Ortiz, E., Jiménez-Estrada, J. A., Parra, A., Cazalla, M., Ramos, S., Rodríguez-Canó, et al
  2026
- **Methamphetamine-associated PAH on the Rise in the US: Geographic Trends & Disparities in Patient Demographics and Treatment Strategies.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Kim, N. H., Perez, V. d., Kingrey, J., David Hardy, W., Ryan, J. J., Tan, G., Lopez, D., Adhia, A., Gearhart, N., Lam, J., Sandros, M., Cho, M., Channick, et al
  2026
- **CES1 Deficiency is Associated With Metabolic Reprograming and Endothelial Dysfunction in Pulmonary Arterial Hypertension.** *American journal of respiratory and critical care medicine*
  Agarwal, S., Bankar, A., Heo, L., Mitra, A., Chakraborty, A., Liu, L., Huang, F., Swaminathan, G., Auer, N., Chelladurai, P., Guardado, E. S., Matos, J., Le, et al
  2026
- **Loss of ROR2 Tyrosine Kinase Receptor Is Associated With Endothelial Dysfunction in PAH via Inappropriate Integrin β1 Activation.** *Hypertension (Dallas, Tex. : 1979)*
  Mitra, A., Agarwal, S., Chakraborty, A., Zhong, B. L., Heo, L., Roy, A., Bankar, A., Pacheco, A., Auer, N., Dunn, A., Chelladurai, P., Jain, A., Matos Muñoz, et al
  2026
- **Empagliflozin Improves Mitochondrial Biogenesis and Ameliorates Experimental Pulmonary Vascular Remodeling, But May Not Benefit Patients with Pulmonary Arterial Hypertension** *MedRxiv*
  Yoshida, K., et al
  2026
- **Randomised, placebo-controlled trial of oral hymecromone in adults with pulmonary hypertension.** *Thorax*
  Czepiel, K., Nagy, N., Panjalingam, T., Kalinowski, A., Frymoyer, A. R., Karmouty-Quintana, H., Gu, B., Hedlin, H., Kaber, G., Dobrota Lai, S., Rosser, J. I., Bollyky, P. L., de Jesus Perez, et al
  2025
- **Adventitial fibroblasts direct smooth muscle cell-state transition in pulmonary vascular disease.** *eLife*
  Crnkovic, S., Thekkekara Puthenparampil, H., Mulch, S., Biasin, V., Radic, N., Wilhelm, J., Bartkuhn, M., Bonyadi Rad, E., Wawrzen, A., Matzer, I., Mitra, A., Leib, R. D., Nagy, et al
  2025; 13
- **Specialized pericyte subtypes in the pulmonary capillaries.** *The EMBO journal*
  Klouda, T., Kim, Y., Baek, S. H., Bhaumik, M., Li, Y., Liu, Y., Wu, J. C., Raby, B. A., Perez, V. d., Yuan, K.
  2025
- **Safety, Feasibility, and Utility of Digital Mobile Six-Minute Walk Testing in Pulmonary Arterial Hypertension: The DynAMITE Study.** *medRxiv : the preprint server for health sciences*
  Schütz, N., Glinskii, V., Anderson, R., Del Rosario, P., Hedlin, H., Lee, J., Hess, J., Van Wormer, S., Lopez, A., Hershman, S. G., De Jesus Perez, V., Zamanian, R. T.
  2024
- **C-type natriuretic peptide/cGMP/FoxO3 signaling attenuates hyperproliferation of pericytes from patients with pulmonary arterial hypertension.** *Communications biology*
  Dabral, S., Noh, M., Werner, F., Krebes, L., Völker, K., Maier, C., Aleksic, I., Novoyatleva, T., Hadzic, S., Schermuly, R. T., Perez, V. i., Kuhn, M.
  2024; 7 (1): 693

- **Constructing the Framework for Disease Modification in Pulmonary Arterial Hypertension.** *American journal of respiratory and critical care medicine*
  Zamanian, R. T., Weatherald, J., Sweatt, A. J., Hemnes, A., Rashid, M., Psotka, M. A., Bogaard, H. J., de Jesus Perez, V.
  2024

- **WNT7A deficit is associated with dysfunctional angiogenesis in pulmonary arterial hypertension.** *The European respiratory journal*
  Chakraborty, A., Nathan, A., Orcholski, M., Agarwal, S., Shamskhou, E. A., Auer, N., Mitra, A., Guardado, E. S., Swaminathan, G., Condon, D. F., Yu, J., McCarra, M., Juul, et al
  2023

- **Cardiopulmonary disease as sequelae of long-term COVID-19: Current perspectives and challenges.** *Frontiers in medicine*
  Oliveira, R. K., Nyasulu, P. S., Iqbal, A. A., Hamdan Gul, M., Ferreira, E. V., Leclair, J. W., Htun, Z. M., Howard, L. S., Mocumbi, A. O., Bryant, A. J., Tamuzi, J. L., Avdeev, S., Petrosillo, et al
  2022; 9: 1041236

- **Lung Pericytes in Pulmonary Vascular Physiology and Pathophysiology.** *Comprehensive Physiology*
  Yuan, K., Agarwal, S., Chakraborty, A., Condon, D. F., Patel, H., Zhang, S., Huang, F., Mello, S. A., Kirk, O. I., Vasquez, R., de Jesus Perez, V. A.
  2021; 11 (3): 2227-2247

- **Novel TNIP2 and TRAF2 Variants Are Implicated in the Pathogenesis of Pulmonary Arterial Hypertension** *FRONTIERS IN MEDICINE*
  Pienkos, S., Gallego, N., Condon, D. F., Cruz-Utrilla, A., Ochoa, N., Nevado, J., Arias, P., Agarwal, S., Patel, H., Chakraborty, A., Lapunzina, P., Escribano, P., Tenorio-Castano, et al
  2021; 8: 625763

- **Distinct Types of Plexiform Lesions Identified by Synchrotron-Based Phase Contrast Micro-CT.** *American journal of physiology. Lung cellular and molecular physiology*
  Westoo, C., Norvik, C. C., Peruzzi, N., van der Have, O., Lovric, G., Jeremiasen, I., Tran, P., Mokso, R., de Jesus Perez, V. A., Brunnstrom, H., Bech, M., Galambos, C., Tran-Lundmark, et al
  2021

- **Outpatient Inhaled Nitric Oxide in a Patient with Vasoreactive IPAH and COVID-19 Infection.** *American journal of respiratory and critical care medicine*
  Zamanian, R. T., Pollack, C. V., Gentile, M. A., Rashid, M., Fox, J. C., Mahaffey, K. W., de Jesus Perez, V.
  2020

- **Mural Cell SDF1 Signaling is Associated with the Pathogenesis of Pulmonary Arterial Hypertension.** *American journal of respiratory cell and molecular biology*
  Yuan, K. n., Liu, Y. n., Zhang, Y. n., Nathan, A. n., Tian, W. n., Yu, J. n., Sweatt, A. J., Condon, D. n., Chakraborty, A. n., Agarwal, S. n., Auer, N. n., Zhang, S. n., Wu, et al
  2020

- **Long Noncoding RNA TYKRIL Plays a Role in Pulmonary Hypertension via the p53-Mediated Regulation of PDGFRβ.** *American journal of respiratory and critical care medicine*
  Zehendner, C. M., Valasarajan, C. n., Werner, A. n., Boeckel, J. N., Bischoff, F. C., John, D. n., Weirick, T. n., Glaser, S. F., Rossbach, O. n., Jaé, N. n., Demolli, S. n., Khassafi, F. n., Yuan, et al
  2020

- **Perspectives on Cardiopulmonary Critical Care for COVID-19 Patients: From Members of the American Heart Association Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation.** *Journal of the American Heart Association*
  Maron, B. A., Gladwin, M. T., Bonnet, S. n., De Jesus Perez, V. n., Perman, S. M., Yu, P. B., Ichinose, F. n.
  2020: e017111

- **ANATOMIC, GENETIC AND FUNCTIONAL PROPERTIES OF THE RETINAL CIRCULATION IN PULMONARY HYPERTENSION** *Pulmonary Circulation*
  Nickel, N. P., Shamskhou, E. A., Razeen, M., Condon, D., Messentier, L., Dubra, A., Liao, Y., Zamanian, R. T., Yuan, K., de Jesus Perez, V. A.
  2020

- **Loss of Endothelium-Derived Wnt5a Is Associated With Reduced Pericyte Recruitment and Small Vessel Loss in Pulmonary Arterial Hypertension** *CIRCULATION*
  Yuan, K., Shamskhou, E. A., Orcholski, M. E., Nathan, A., Reddy, S., Honda, H., Mani, V., Zeng, Y., Ozen, M. O., Wang, L., Demirci, U., Tian, W., Nicolls, et al

2019; 139 (14): 1710–24

- **A Unique Collateral Artery Development Program Promotes Neonatal Heart Regeneration.** *Cell*
  Das, S., Goldstone, A. B., Wang, H., Farry, J., D'Amato, G., Paulsen, M. J., Eskandari, A., Hironaka, C. E., Phansalkar, R., Sharma, B., Rhee, S., Shamskhou, E. A., Agalliu, et al
  2019

- **EXPRESS: Low-Grade Albuminuria in Pulmonary Arterial Hypertension.** *Pulmonary circulation*
  Nickel, N. n., Perez, V. i., Fessel, J. P., Cogan, J. n., Hamid, R. n., West, J. D., de Caestecker, M. n., Yang, H. n., Zamanian, R. T., Austin, E. n.
  2019: 2045894018824564

- **Methamphetamine use association with pulmonary diseases: a retrospective investigation of hospital discharges in California from 2005 to 2011** *European Respiratory Journal Open Research*
  Tsai, H., Lee, J., Hedlin, H., Zamanian, R., de Jesus Perez, V.
  2019

- **BEYOND THE LUNGS: SYSTEMIC MANIFESTATIONS OF PULMONARY ARTERIAL HYPERTENSION.** *American journal of respiratory and critical care medicine*
  Nickel, N. P., Yuan, K. n., Dorfmuller, P. n., Provencher, S. n., Lai, Y. C., Bonnet, S. n., Austin, E. D., Koch, C. D., Morris, A. n., Perros, F. n., Montani, D. n., Zamanian, R. T., de Jesus Perez, et al
  2019

- **Hydrogel-based delivery of Il-10 improves treatment of bleomycin-induced lung fibrosis in mice.** *Biomaterials*
  Shamskhou, E. A., Kratochvil, M. J., Orcholski, M. E., Nagy, N. n., Kaber, G. n., Steen, E. n., Balaji, S. n., Yuan, K. n., Keswani, S. n., Danielson, B. n., Gao, M. n., Medina, C. n., Nathan, et al
  2019; 203: 52–62

- **DRUG INDUCED PULMONARY ARTERIAL HYPERTENSION: A PRIMER FOR CLINICIANS AND SCIENTISTS.** *American journal of physiology. Lung cellular and molecular physiology*
  Orcholski, M. E., Yuan, K. n., Rajasingh, C. n., Tsai, H. n., Shamskhou, E. A., Dhillon, N. K., Voelkel, N. F., Zamanian, R. T., de Jesus Perez, V. A.
  2018

- **Health Disparities in Patients with Pulmonary Arterial Hypertension: A Blueprint for Action. An Official American Thoracic Society Statement.** *American journal of respiratory and critical care medicine*
  Talwar, A., Garcia, J. G., Tsai, H., Moreno, M., Lahm, T., Zamanian, R. T., Machado, R., Kawut, S. M., Selej, M., Mathai, S., D'Anna, L. H., Sahni, S., Rodriquez, et al
  2017; 196 (8): e32-e47

- **REDUCED CARBOXYLESTERASE 1 IS ASSOCIATED WITH ENDOTHELIAL INJURY IN METHAMPHETAMINE INDUCED PULMONARY ARTERIAL HYPERTENSION.** *American journal of physiology. Lung cellular and molecular physiology*
  Orcholski, M. E., Khurshudyan, A., Shamskhou, E. A., Yuan, K., Chen, I. Y., Kodani, S. D., Morisseau, C., Hammock, B. D., Hong, E. M., Alexandrova, L., Alastalo, T., Berry, G., Zamanian, et al
  2017: ajplung 00453 2016-?

- **Drug induced Pulmonary Hypertension: The First 50 Years** *Advances in Pulmonary Hypertension*
  de Jesus Perez, V. A.
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