



Vinicio de Jesus Perez MD

Associate Dean of Stanford MD Admissions and Professor of Medicine (PACCM)

Medicine - Pulmonary, Allergy & Critical Care Medicine

CLINICAL OFFICE (PRIMARY)

- **Pulmonary and Critical Care**

300 Pasteur Dr Rm H3145

MC 5236

Stanford, CA 94305

Tel (650) 723-6381 Fax (650) 725-5489

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Lake Barber - Administrative Assistant

Email lbarber@stanford.edu

Tel 408-892-3001

Bio

BIO

Dr. Vinicio de Jesus Perez received his MD from the University of Puerto Rico Medical School and completed an internal medicine residency at Massachusetts General Hospital. He completed a pulmonary and critical care medicine fellowship in Denver, followed by postdoctoral research training at Stanford University. He focused on researching genetic and molecular mechanisms of pulmonary hypertension (PH) and idiopathic pulmonary fibrosis (IPF) and has devoted his clinical practice to diagnosing and managing these conditions. He is presently an associate professor of medicine and a staff physician at the Stanford Adult PH Clinic, where he trains fellows pursuing careers in PH and IPF. He is the principal investigator of a research program to identify new therapeutic targets for treating PH and IPF. As a medical professional, Dr. de Jesus Perez is involved in academic endeavors to improve access to care and quality of life of patients afflicted with cardiopulmonary disorders.

CLINICAL FOCUS

- Pulmonary Disease
- Pulmonary Hypertension
- Idiopathic Pulmonary Fibrosis
- Scleroderma Lung Diseases
- Drug Induced Pulmonary Hypertension
- LAM

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 professionals 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 Assembly Programming 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, Massachusetts General Hospital , Internal Medicine (2003)
- MD, University of Puerto Rico , Medicine (2000)
- BS, University of Puerto Rico , Biology (1996)

COMMUNITY AND INTERNATIONAL WORK

- 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 work is aimed at understanding the molecular mechanisms involved in the development and progression of pulmonary arterial hypertension (PAH). I am interested in understanding the role that the BMP and Wnt pathways play in regulating functions of pulmonary endothelial and smooth muscle cells both in health and disease.

CLINICAL TRIALS

- DynAMITE, 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

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)

2022-23

- 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

- **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 β 1 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., Glinksi, 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., Shamskhov, 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., Shamskhov, 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., Shamskhov, 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., Shamskhov, 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., Dorfmueller, 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*
Shamskhov, 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., Shamskhov, 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., Rodriguez, 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., Shamskhov, 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.
2017; 15 (3): 133-137
- **Features and Outcomes of Methamphetamine Associated Pulmonary Arterial Hypertension.** *American journal of respiratory and critical care medicine*
Zamanian, R. T., Hedlin, H. n., Greuenwald, P. n., Wilson, D. M., Segal, J. I., Jordan, M. n., Kudelko, K. n., Liu, J. n., Hsi, A. n., Rupp, A. n., Sweatt, A. J., Tuder, R. n., Berry, et al
2017
- **Increased Pyruvate Dehydrogenase Kinase 4 Expression in Lung Pericytes Is Associated with Reduced Endothelial-Pericyte Interactions and Small Vessel Loss in Pulmonary Arterial Hypertension.** *American journal of pathology*
Yuan, K., Shao, N., Hennigs, J. K., Discipulo, M., Orcholski, M. E., Shamskhou, E., Richter, A., Hu, X., Wu, J. C., de Jesus Perez, V. A.
2016; 186 (9): 2500-2514
- **Novel approaches to pulmonary arterial hypertension drug discovery.** *Expert opinion on drug discovery*
Sung, Y. K., Yuan, K., de Jesus Perez, V. A.
2016; 11 (4): 407-414
- **PDGF-dependent β -catenin activation is associated with abnormal pulmonary artery smooth muscle cell proliferation in pulmonary arterial hypertension.** *FEBS letters*
Takahashi, J., Orcholski, M., Yuan, K., de Jesus Perez, V.
2016; 590 (1): 101-109
- **Activation of the Wnt/Planar Cell Polarity Pathway Is Required for Pericyte Recruitment during Pulmonary Angiogenesis.** *American journal of pathology*
Yuan, K., Orcholski, M. E., Panaroni, C., Shuffle, E. M., Huang, N. F., Jiang, X., Tian, W., Vladar, E. K., Wang, L., Nicolls, M. R., Wu, J. Y., de Jesus Perez, V. A.
2015; 185 (1): 69-84
- **Molecular pathogenesis and current pathology of pulmonary hypertension.** *Heart failure reviews*
de Jesus Perez, V. A.
2015
- **Optical Coherence Tomography of Pulmonary Arterial Walls in Humans and Pigs (*Sus scrofa domesticus*).** *Comparative medicine*
Brunner, N. W., Zamanian, R. T., Ikeno, F., Mitsutake, Y., Connolly, A. J., Shuffle, E., Yuan, K., Orcholski, M., Lyons, J., de Jesus Perez, V. A.
2015; 65 (3): 217-224
- **Oxido-reductive regulation of vascular remodeling by receptor tyrosine kinase ROS1** *JOURNAL OF CLINICAL INVESTIGATION*
Ali, Z. A., Perez, V. D., Yuan, K., Orcholski, M., Pan, S., Qi, W., Chopra, G., Adams, C., Kojima, Y., Leeper, N. J., Qu, X., Zaleta-Rivera, K., Kato, et al
2014; 124 (12): 5159-5174
- **Pumping it up! Angiogenesis and muscle deconditioning in pulmonary hypertension.** *American journal of respiratory and critical care medicine*
de Jesus Perez, V. A.
2014; 190 (3): 250-251
- **Targeting the Wnt signaling pathways in pulmonary arterial hypertension.** *Drug discovery today*
de Jesus Perez, V., Yuan, K., Alastalo, T., Spiekerkoetter, E., Rabinovitch, M.
2014; 19 (8): 1270-1276
- **Whole-Exome Sequencing Reveals TopBP1 as a Novel Gene in Idiopathic Pulmonary Arterial Hypertension** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Perez, V. A., Yuan, K., Lyuksytova, M. A., Dewey, F., Orcholski, M. E., Shuffle, E. M., Mathur, M., Yancy, L., Rojas, V., Li, C. G., Cao, A., Alastalo, T., Khazeni, et al
2014; 189 (10): 1260-1272
- **Loss-of BMPR2 is Associated With Abnormal DNA Repair in Pulmonary Arterial Hypertension.** *American journal of respiratory cell and molecular biology*
Li, M., Vattulainen, S., Aho, J., Orcholski, M., Rojas, V., Yuan, K., Helenius, M., Taimen, P., Myllykangas, S., De Jesus Perez, V., Koskenvuo, J. W., Alastalo, T. P.

2014

- **Loss of adenomatous poliposis coli-a3 integrin interaction promotes endothelial apoptosis in mice and humans.** *Circulation research*
de Jesus Perez, V. A., Yuan, K., Orcholski, M. E., Sawada, H., Zhao, M., Li, C. G., Tojais, N. F., Nickel, N., Rajagopalan, V., Spiekerkoetter, E., Wang, L., Dutta, R., Bernstein, et al
2012; 111 (12): 1551-1564
- **BMP promotes motility and represses growth of smooth muscle cells by activation of tandem Wnt pathways** *JOURNAL OF CELL BIOLOGY*
Perez, V. A., Ali, Z., Alastalo, T., Ikeno, F., Sawada, H., Lai, Y., Kleisli, T., Spiekerkoetter, E., Qu, X., Rubinos, L. H., Ashley, E., Amieva, M., Dedhar, et al
2011; 192 (1): 171-188
- **Bone morphogenetic protein 2 induces pulmonary angiogenesis via Wnt-beta-catenin and Wnt-RhoA-Rac1 pathways** *JOURNAL OF CELL BIOLOGY*
Perez, V. A., Alastalo, T., Wu, J. C., Axelrod, J. D., Cooke, J. P., Amieva, M., Rabinovitch, M.
2009; 184 (1): 83-99
- **Qualitative interviews of patients with methamphetamine-associated pulmonary hypertension: Understanding the unmet medical need from the patient lens** *Journal of Heart and Lung Transplantation Open*
Groves, L. M., De Jesus Perez, V. A., et al
2026; 13
- **Patient-derived colon epithelial organoids reveal lipid-related metabolic dysfunction in pediatric ulcerative colitis.** *Nature communications*
Ojo, B. A., Zhu, Y., Heo, L., Fox, S. R., Qiao, Y., Waddell, A., Moreno-Fernandez, M. E., Gibson, M., Tran, T., Dunn, A. L., Elkaway, E. I., Saini, N., López-Rivera, et al
2025; 16 (1): 11026
- **The devil is in the details: addressing lung cell heterogeneity in Sugden-hypoxia rats and its relevance to pulmonary arterial hypertension.** *Cardiovascular research*
Chopra, S., de Jesus Perez, V. A.
2025
- **Why Wait for Sick People to Get Sicker? The Paradox of the Treatment of Patients With Pulmonary Arterial Hypertension.** *Pulmonary circulation*
Orozco-Levi, M., de Jesús Pérez, V. A., Pulido, T., Pabón-Quezada, A., Morisky, P., Conde-Camacho, R., Ramírez-Sarmiento, A.
2025; 15 (4): e70202
- **Microvascular preservation & cardiomyocyte hyperplasia underlie adaptive right ventricle development in congenital heart disease-pulmonary arterial hypertension.** *American journal of physiology. Heart and circulatory physiology*
Smith, M. A., Guardado, E. S., Boehme, J., Datar, S. A., Maltepe, E., Swami, N., Raff, G. W., Bodansky, A., Chelladurai, P., Moreno, J., Prince, A. R., Powers, N., Huang, et al
2025
- **C-type natriuretic peptide attenuates enhanced glycolysis and de novo pyrimidine synthesis in pericytes of patients with pulmonary arterial hypertension.** *Communications biology*
Noh, M., Mitra, A., Krebes, L., Schmitz, W., Dudek, J., Agarwal, S., Maack, C., Arias-Loza, P., Higuchi, T., Aleksic, I., de Jesus Perez, V. A., Kuhn, M., Dabral, et al
2025; 8 (1): 1199
- **Single-Cell and Spatial Transcriptomics Identified Fatty Acid-Binding Proteins Controlling Endothelial Glycolytic and Arterial Programming in Pulmonary Hypertension.** *Arteriosclerosis, thrombosis, and vascular biology*
Liu, B., Yi, D., Li, S., Ramirez, K., Xia, X., Cao, Y., Zhao, H., Tripathi, A., Qiu, S., Kala, M., Rafikov, R., Gu, H., de Jesus Perez, et al
2025
- **COVID-19 and Parasitic Co-infection: A Hypothetical Link to Pulmonary Vascular Disease.** *Infectious disease reports*
Nyasulu, P. S., Tamuzi, J. L., Oliveira, R. K., Oliveira, S. D., Petrosillo, N., de Jesus Perez, V., Dhillon, N., Butrous, G.
2025; 17 (2)
- **A Cross-Species and Sex-Specific Meta-Analysis of Transcriptomic Studies of Pulmonary Hypertension.** *American journal of respiratory cell and molecular biology*
Zhao, L., Cunningham, C. M., Hong, J., Agarwal, S., Yuan, K., de Jesus Perez, V. A., Nicolls, M. R.
2025

- **Precision Medicine for Pulmonary Vascular Disease: The Future Is Now (2023 Grover Conference Series).** *Pulmonary circulation*
Forbes, L. M., Bauer, N., Bhadra, A., Bogaard, H. J., Choudhary, G., Goss, K. N., Gräf, S., Heresi, G. A., Hopper, R. K., Jose, A., Kim, Y., Klouda, T., Lahm, et al
2025; 15 (1): e70027
- **Consenso Colombiano en Hipertension Arterial Pulmonar** *Revista Colombiana de Neumologia*
Pacheco, M., et al
2025; 36 (2)
- **Developing Benchmarks in the Diagnosis and Treatment of Pulmonary Arterial Hypertension in a Tertiary, Academic Medical Center.** *Pulmonary circulation*
Kholdani, C. A., Lee, J. H., Swenson, K. E., Liu, J., Hsi, A., Kudelko, K. T., Sweatt, A. J., Spiekerkoetter, E. F., De Jesus Perez, V., Rigdon, J., Hedlin, H., Andruska, A. M., Lyn, et al
2025; 15 (1): e70063
- **Mitochondria as a primary determinant of angiogenic modality in pulmonary arterial hypertension.** *The Journal of experimental medicine*
Niihori, M., James, J., Varghese, M. V., McClain, N., Lawal, O. S., Philip, R. C., Baggett, B. K., Goncharov, D. A., de Jesus Perez, V., Goncharova, E. A., Rafikov, R., Rafikova, O.
2024; 221 (11)
- **TAZ and RUNX2 awareness in pulmonary hypertension due to left heart disease.** *The European respiratory journal*
de Jesus Perez, V. A., Lai, Y.
2024; 64 (5)
- **Unraveling the role of HIF and epigenetic regulation in pulmonary arterial hypertension: implications for clinical research and its therapeutic approach.** *Frontiers in medicine*
Mitra, A., Yi, D., Dai, Z., de Jesus Perez, V.
2024; 11: 1460376
- **Infection and pulmonary vascular diseases consortium: United against a global health challenge.** *Pulmonary circulation*
Oliveira, S. D., Almodóvar, S., Butrous, G., De Jesus Perez, V., Fabro, A., Graham, B. B., Mocumbi, A., Nyasulu, P. S., Tura-Ceide, O., Oliveira, R. K., Dhillon, N. K.
2024; 14 (4): e70003
- **Deciphering the Complexities of Pulmonary Hypertension: The Emergent Role of Single-Cell Omics.** *American journal of respiratory cell and molecular biology*
Rafikov, R., de Jesus Perez, V., Dekan, A., Kudryashova, T. V., Rafikova, O.
2024
- **VIEWING PULMONARY HYPERTENSION THROUGH A PEDIATRIC LENS.** *The European respiratory journal*
Agarwal, S., Fineman, J., Cornfield, D. N., Alvira, C. M., Zamanian, R. T., Goss, K., Yuan, K., Bonnet, S., Boucherat, O., Pullamsetti, S., Alcázar, M. A., Goncharova, E., Kudryashova, et al
2024
- **Precision Solutions: A Strategy to Improve Medical Care for Patients With Pulmonary Hypertension in Latin America.** *Chest*
Orozco-Levi, M., de Jesús Pérez, V.
2024; 165 (3): 669-672
- **Endothelial fatty acid-binding proteins contribute to the pathogenesis of pulmonary hypertension.** *bioRxiv : the preprint server for biology*
Liu, B., Yi, D., Li, S., Ramirez, K., Xia, X., Cao, Y., Zhao, H., Tripathi, A., Qiu, S., Kala, M., Rafikov, R., Gu, H., de Jesus Perez, et al
2024
- **Pericytes contribute to pulmonary vascular remodeling via HIF2 α signaling.** *EMBO reports*
Kim, H., Liu, Y., Kim, J., Kim, Y., Klouda, T., Fisch, S., Baek, S. H., Liu, T., Dahlberg, S., Hu, C. J., Tian, W., Jiang, X., Kosmas, et al
2024
- **Seven Additional Patients with SOX17 Related Pulmonary Arterial Hypertension and Review of the Literature.** *Genes*
Gallego-Zazo, N., Miranda-Alcaraz, L., Cruz-Utrilla, A., Del Cerro Marín, M. J., Álvarez-Fuente, M., Del Mar Rodríguez Vázquez Del Rey, M., Guillén Rodríguez, I., Becerra-Munoz, V. M., Moya-Bonora, A., Ochoa Parra, N., Parra, A., Pascual, P., Cazalla, et al
2023; 14 (10)

- **Health Care Disparities in Pulmonary Arterial Hypertension.** *Clinics in chest medicine*
Bernardo, R. J., de Jesus Perez, V. A.
2023; 44 (3): 543-554
- **Access to Medically Necessary Reproductive Care for Individuals with Pulmonary Hypertension.** *American journal of respiratory and critical care medicine*
Sonntag, E., Akgun, K. M., Bag, R., Rosensweig, E. B., Bernardo, R. J., Burnett, C., Chybowski, A., de Jesus Perez, V. A., Diwan, J., Guthrie, K. M., Halscott, T., Lahm, T., Vaught, et al
2023
- **UnWNTing the Heart: Targeting WNT Signaling in Pulmonary Arterial Hypertension.** *Circulation research*
Goncharova, E. A., Kudryashova, T. V., de Jesus Perez, V. A., Rafikova, O.
2023; 132 (11): 1486-1488
- **Effects of biomechanical and biochemical stimuli on angio- and vasculogenesis in a complex microvasculature-on-chip.** *iScience*
Ferrari, D., Sengupta, A., Heo, L., Petho, L., Michler, J., Geiser, T., de Jesus Perez, V. A., Kuebler, W. M., Zeinali, S., Guenat, O. T.
2023; 26 (3): 106198
- **Predictors and outcomes of acute pulmonary embolism in COVID-19; insights from US National COVID cohort collaborative.** *Respiratory research*
Gul, M. H., Htun, Z. M., de Jesus Perez, V., Suleman, M., Arshad, S., Imran, M., Vyasabattu, M., Wood, J. P., Anstead, M., Morris, P. E.
2023; 24 (1): 59
- **C-type natriuretic peptide-cGMP signalling attenuates hyperproliferation of lung pericytes from patients with Pulmonary Hypertension**
Dabral, S., Noh, M., Krebs, L., Abesser, M., Voelker, K., Novoyatleva, T., Schermuly, R., de Jesus Perez, V., Kuhn, M.
BMC.2023
- **Decreasing ELK3 expression improves Bone Morphogenetic Protein Receptor 2 signaling and pulmonary vascular cell function in PAH.** *bioRxiv : the preprint server for biology*
Ali, M. K., Zhao, L., Perez, V. d., Nicolls, M. R., Spiekerkoetter, E. F.
2023
- **Potential long-term effects of SARS-CoV-2 infection on the pulmonary vasculature: Multilayered cross-talks in the setting of coinfections and comorbidities.** *PLoS pathogens*
Kumar, R., Aktay-Cetin, Ö., Craddock, V., Morales-Cano, D., Kosanovic, D., Cogolludo, A., Perez-Vizcaino, F., Avdeev, S., Kumar, A., Ram, A. K., Agarwal, S., Chakraborty, A., Savai, et al
2023; 19 (1): e1011063
- **The social and economic disadvantage in pulmonary hypertension: A work (still) in progress.** *Pulmonary circulation*
Bernardo, R. J., de Jesus Perez, V.
2023; 13 (1): e12196
- **Editorial: Pulmonary hypertension in the modern era: Science and clinical practice, Volume II.** *Frontiers in medicine*
Bogaard, H. J., Goncharova, E. A., de Jesus Perez, V. A.
2023; 10: 1136157
- **Biochemical, biophysical, and immunological characterization of respiratory secretions in severe SARS-CoV-2 infections.** *JCI insight*
Kratovichil, M. J., Kaber, G., Demirdjian, S., Cai, P. C., Burgener, E. B., Nagy, N., Barlow, G. L., Popescu, M., Nicolls, M. R., Ozawa, M. G., Regula, D. P., Pacheco-Navarro, A. E., Yang, et al
2022; 7 (12)
- **Wnt Signaling Interactor WTIP (Wilms Tumor Interacting Protein) Underlies Novel Mechanism for Cardiac Hypertrophy.** *Circulation. Genomic and precision medicine*
De Jong, H. N., Dewey, F. E., Cordero, P., Victorio, R. A., Kirillova, A., Huang, Y., Madhvani, R., Seo, K., Werdich, A. A., Lan, F., Orcholski, M., Robert Liu, W., Erbilgin, et al
2022: 101161CIRCGEN121003563
- **An evidence appraisal of heart organoids in a dish and commensurability to human heart development in vivo.** *BMC cardiovascular disorders*
Thomas, D., de Jesus Perez, V. A., Sayed, N.
2022; 22 (1): 122

- **Health disparity is a global issue: Understanding Latin America** *PULMONARY CIRCULATION*
Gomberg-Maitland, M., Perez, V.
2022; 12 (1): e12049
- **Hispanic Ethnicity and Social Determinants of Health in Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry.** *Annals of the American Thoracic Society*
Bernardo, R. J., Lu, D., Ramirez, R. L., Hedlin, H., Kawut, S. M., Bull, T., De Marco, T., Ford, H. J., Grinnan, D., Klinger, J. R., McConnell, J. W., Berman-Rosenzweig, E., Shlobin, et al
2022
- **Potential long-term effects of SARS-CoV-2 infection on the pulmonary vasculature: a global perspective.** *Nature reviews. Cardiology*
Halawa, S., Pullamsetti, S. S., Bangham, C. R., Stenmark, K. R., Dorfmueller, P., Frid, M. G., Butrous, G., Morrell, N. W., de Jesus Perez, V. A., Stuart, D. I., O'Gallagher, K., Shah, A. M., Aguib, et al
2021
- **Recommended Reading from the Pulmonary and Critical Care Medicine Fellowship Program at Stanford University Medical Center.** *American journal of respiratory and critical care medicine*
Glinskii, V., Lyn, R., Thomas, C., de Jesus Perez, V. A.
2021
- **"NOVEL MECHANISMS TARGETED BY DRUG TRIALS IN PULMONARY ARTERIAL HYPERTENSION".** *Chest*
Condon, D. F., Agarwal, S., Chakraborty, A., Auer, N., Vazquez, R., Patel, H., Zamanian, R. T., de Jesus Perez, V. A., Condon, D. F.
2021
- **Prioritizing Equity and Diversity in Academic Medicine Faculty Recruitment and Retention** *JAMA HEALTH FORUM*
Ajayi, A. A., Rodriguez, F., de Jesus Perez, V.
2021; 2 (9)
- **CHK yourself, before you wreck yourself: targeting the DNA damage response in secondary pulmonary hypertension.** *Thorax*
Bryant, A., de Jesus Perez, V.
2021
- **Immunoprofiling of Nonarteritic Anterior Ischemic Optic Neuropathy.** *Translational vision science & technology*
Mesentier-Louro, L. A., Stell, L., Yan, Y., Montague, A. A., de Jesus Perez, V., Liao, Y. J.
2021; 10 (8): 17
- **Pulmonary Arterial Hypertension Secondary to Drugs and Toxins.** *Clinics in chest medicine*
Ramirez, R. L., Pienkos, S. M., de Jesus Perez, V., Zamanian, R. T.
2021; 42 (1): 19–38
- **No Good Deed Goes Unpunished: Mitomycin-Induced Pulmonary Venooclusive Disease and Cancer.** *Chest*
De Jesus Perez, V. A., Zamanian, R. T.
2021; 159 (3): 910–11
- **Editorial: Pulmonary Hypertension in the Modern Era: Science and Clinical Practice.** *Frontiers in medicine*
Goncharova, E. A., Bogaard, H. J., de Jesus Perez, V. A.
2021; 8: 785181
- **Prescription Patterns for Pulmonary Vasodilators in the Treatment of Pulmonary Hypertension Associated With Chronic Lung Diseases: Insights From a Clinician Survey.** *Frontiers in medicine*
Thomas, C. A., Lee, J., Bernardo, R. J., Anderson, R. J., Glinskii, V., Sung, Y. K., Kudelko, K., Hedlin, H., Sweatt, A., Kawut, S. M., Raj, R., Zamanian, R. T., de Jesus Perez, et al
1800; 8: 764815
- **Hypoxia-induced inflammation: Profiling the first 24-hour posthypoxic plasma and central nervous system changes.** *PLoS one*
Mesentier-Louro, L. A., Rangel, B. n., Stell, L. n., Shariati, M. A., Dalal, R. n., Nathan, A. n., Yuan, K. n., de Jesus Perez, V. n., Liao, Y. J.
2021; 16 (3): e0246681
- **Puerto Rico Health System Resilience After Hurricane Maria: Implications for Disaster Preparedness in the COVID-19 Era.** *medRxiv : the preprint server for health sciences*
Rios, C., Ling, E., Rivera Gutierrez, R., Gonzalez, J., Bruce, J., Barry, M., de Jesus Perez, V.

2020

- **Hyaluronan is abundant in COVID-19 respiratory secretions.** *medRxiv : the preprint server for health sciences*
Kaber, G., Kratochvil, M. J., Burgener, E. B., Peltan, E. L., Barlow, G., Yang, S., Nicolls, M. R., de Jesus Perez, V., Rosser, J. I., Wardle, A. J., Kalinowski, A., Ozawa, M. G., Regula, et al
2020
- **Pulmonary Vein Stenosis and Pulmonary Hypertension Following a Catheter-Based Radiofrequency Ablation for Atrial Fibrillation: A Case Report.** *The American journal of case reports*
Thomas, C. A., Cruz Morel, K. J., Viswanathan, M. N., de Jesus Perez, V. A.
2020; 21: e924709
- **THE CANCER HYPOTHESIS OF PULMONARY ARTERIAL HYPERTENSION: THE NEXT TEN YEARS.** *American journal of physiology. Lung cellular and molecular physiology*
Condon, D., Agarwal, S., Chakraborty, A., de Jesus Perez, V. A.
2020
- **Systemic hypoxia led to little retinal neuronal loss and dramatic optic nerve glial response.** *Experimental eye research*
Mesentier Louro, L. A., Shariati, M. A., Dalal, R. n., Camargo, A. n., Kumar, V. n., Shamskhov, E. A., de Jesus Perez, V. n., Liao, Y. J.
2020: 107957
- **Pulmonary Vascular Fellowship Training to Promote Excellence in PH Clinical Care: The Stanford Perspective.** *American College of Cardiology (acc.org)*
Kudelko, K., Zamanian, R., de Jesus Perez, V.
2020
- **Drug- and toxin-induced pulmonary arterial hypertension: Current state of the literature** *Global Cardiology Science and Practice*
Ramirez III, R., Thomas, C., Anderson, R., Bernardo, R., Al-Motarreb, A., Al-Suwaidi, J., Zamnanian, R., de Jesus Perez, V.
2020; 2019 (3)
- **Hiding in Plain Sight: The Basement Membrane in Pulmonary Vascular Remodeling.** *American journal of respiratory cell and molecular biology*
Chakraborty, A. n., de Jesus Perez, V. A.
2020
- **Genetic Admixture and Survival in Diverse Populations with Pulmonary Arterial Hypertension.** *American journal of respiratory and critical care medicine*
Karnes, J. H., Wiener, H. W., Schwantes-An, T. H., Natarajan, B. n., Sweatt, A. J., Chaturvedi, A. n., Arora, A. n., Batai, K. n., Nair, V. n., Steiner, H. E., Giles, J. B., Yu, J. n., Hosseini, et al
2020
- **Portopulmonary Hypertension: From Bench to Bedside** *Frontiers in Medicine*
Thomas, C., Ginskii, V., de Jesus Perez, V., Sahay, S.
2020
- **Targeted Proteomics of Right Heart Adaptation to Pulmonary Arterial Hypertension.** *The European respiratory journal*
Amsallem, M. n., Sweatt, A. J., Arthur Ataam, J. n., Guihaire, J. n., Lecerf, F. n., Lambert, M. n., Ghigna, M. R., Ali, M. K., Mao, Y. n., Fadel, E. n., Rabinovitch, M. n., de Jesus Perez, V. n., Spiekerkoetter, et al
2020
- **Clinical Differences and Outcomes between Methamphetamine-Associated and Idiopathic Pulmonary Arterial Hypertension in the PHAR.** *Annals of the American Thoracic Society*
Kolaitis, N. A., Zamanian, R. T., de Jesus Perez, V. A., Badesch, D. B., Benza, R. L., Burger, C. D., Chakinala, M. M., Elwing, J. M., Feldman, J. n., Lammi, M. R., Mathai, S. C., McConnell, J. W., Presberg, et al
2020
- **Mechanics of right ventricular dysfunction in pulmonary arterial hypertension and heart failure with preserved ejection fraction.** *Cardiovascular diagnosis and therapy*
Bernardo, R. J., Haddad, F. n., Couture, E. J., Hansmann, G. n., de Jesus Perez, V. A., Denault, A. Y., de Man, F. S., Amsallem, M. n.
2020; 10 (5): 1580–1603
- **Racial and ethnic disparities in PAH** *Pulmonary Hypertension: Controversial and Emerging Topics*
Cruz Morel, K., Talwar, A., de Jesus Perez, V.

Springer Nature.2020; 1st: 197–202

- **In Defense of the Nucleus: NUDT1 and Oxidative DNA Damage in Pulmonary Arterial Hypertension.** *American journal of respiratory and critical care medicine*
Agarwal, S. n., de Jesus Perez, V. A.
2020
- **The 6th World Symposium on Pulmonary Hypertension: what's old is new.** *F1000Research*
Condon, D. F., Nickel, N. P., Anderson, R. n., Mirza, S. n., de Jesus Perez, V. A.
2019; 8
- **Diagnosis and Management of Pulmonary Hypertension in the Modern Era: Insights from the 6th World Symposium.** *Pulmonary therapy*
Thomas, C. A., Anderson, R. J., Condon, D. F., de Jesus Perez, V. A.
2019
- **EpiHope for the Treatment of Pulmonary Arterial Hypertension: Selective vs Non-selective BET Inhibition.** *American journal of respiratory and critical care medicine*
Pullamsetti, S. S., de Jesus Perez, V. A.
2019
- **Clinical Outcomes of Inferior Vena Cava Filter in Complicated Pulmonary Embolism** *Pulmonary Circulation*
Htun, Z. M., Gul, M. H., Rigdon, J., de Jesus Perez, V. A.
2019: 2045894019882636
- **Diagnosis and Management of Pulmonary Hypertension in the Modern Era: Insights from the 6th World Symposium** *Pulmonary Therapy*
Thomas, C., Anderson, R., Condon, D., de Jesus Perez, V.
2019: 1-14
- **New and Emerging Therapies for Pulmonary Arterial Hypertension.** *Annual review of medicine*
Spiekerkoetter, E. n., Kawut, S. M., de Jesus Perez, V. A.
2019; 70: 45–59
- **EXPRESS: Myocardial Bridge - An Unrecognized Cause of Chest Pain in Pulmonary Arterial Hypertension.** *Pulmonary circulation*
Rajmohan, D. n., Sung, Y. K., Kudelko, K. n., Perez, V. i., Haddad, F. n., Tremmel, J. n., Schnittger, I. n., Zamanian, R. T., Spiekerkoetter, E. F.
2019: 2045894019860738
- **EMAPII: A Key Player in HIV-Nef Induced Pulmonary Vasculopathy.** *American journal of respiratory cell and molecular biology*
Shamskhov, E. A., Verghese, L., Yuan, K., De Jesus Perez, V. A.
2018
- **Pulmonary Vascular Complications of Liver Disease.** *American journal of respiratory and critical care medicine*
Lam, K., de Jesus Perez, V.
2018; 198 (3): P5-P6
- **Career Development of Young Physician-Scientists in the Cardiovascular Sciences: Perspective and Advice From the Early Career Committee of the Cardiopulmonary, Critical Care, and Resuscitation Council of the American Heart Association.** *Circulation research*
Agarwal, S. n., Spiekerkoetter, E. n., Austin, E. D., de Jesus Perez, V. n., Dezfulian, C. n., Maron, B. A., Ryan, J. J., Starks, M. A., Yu, P. B., Bonnet, S. n., Perman, S. M.
2018; 122 (10): 1330–33
- **PH Roundtable: Pulmonary Hypertension Roundtable: Clinical Experiences With Drug- and Toxin-Related PH** *Advances in Pulmonary Hypertension*
Bartolome, S., Zamanian, R., de Jesus Perez, V., Chin, K.
2018; 17 (2): 80-85
- **Stimulants and Pulmonary Arterial Hypertension: An Update** *Advances in Pulmonary Hypertension*
Ramirez III, R., de Jesus Perez, V., Zamanian, R.
2018; 17 (2)
- **Methamphetamine and the risk of pulmonary arterial hypertension.** *Current opinion in pulmonary medicine*
Ramirez, R. L., Perez, V. D., Zamanian, R. T.

2018

- **Long-Term Right Ventricular Adaptation to Postnatal Hyperoxia: Too Much of a Good Thing?** *American journal of respiratory cell and molecular biology*
Perez, V. i.
2017; 56 (5): 559-560
- **MicroRNA and Cardiovascular Disease 2016.** *BioMed research international*
Yuan, L. Q., de Jesus Perez, V., Liao, X. B., Król, M., Yeh, C. H.
2017; 2017: 3780513
- **fibroblast-specific STAT3 signaling.** *FASEB journal*
Balaji, S., Wang, X., King, A., Le, L. D., Bhattacharya, S. S., Moles, C. M., Butte, M. J., de Jesus Perez, V. A., Liechty, K. W., Wight, T. N., Crombleholme, T. M., Bollyky, P. L., Keswani, et al
2017; 31 (3): 868-881
- **Codependence of Bone Morphogenetic Protein Receptor 2 and Transforming Growth Factor- β in Elastic Fiber Assembly and Its Perturbation in Pulmonary Arterial Hypertension.** *Arteriosclerosis, thrombosis, and vascular biology*
Tojais, N. F., Cao, A. n., Lai, Y. J., Wang, L. n., Chen, P. I., Alcazar, M. A., de Jesus Perez, V. n., Hopper, R. K., Rhodes, C. J., Bill, M. A., Sakai, L. Y., Rabinovitch, M. n.
2017
- **Inducible pluripotent stem cells and pulmonary arterial hypertension: the future is now!** *Stem cell investigation*
Lopez, M. R., de Jesus Perez, V. n.
2017; 4: 53
- **EXPRESS: Endothelial Dysfunction in Pulmonary Arterial Hypertension: An Evolving Landscape (2017 Grover Conference Series).** *Pulmonary circulation*
Ranchoux, B., Harvey, L. D., Ayon, R. J., Babicheva, A., Bonnet, S., Chan, S. Y., Yuan, J., Perez, V. i.
2017: 2045893217752912
- **The emerging role of angiogenesis in adaptive and maladaptive right ventricular remodeling in pulmonary hypertension.** *American journal of physiology. Lung cellular and molecular physiology*
Frump, A. L., Bonnet, S. n., de Jesus Perez, V. A., Lahm, T. n.
2017: ajplung.00374.2017
- **In Vivo Study of Human Endothelial-Pericyte Interaction Using the Matrix Gel Plug Assay in Mouse.** *Journal of visualized experiments : JoVE*
Yuan, K., Orcholski, M. E., Huang, N. F., de Jesus Perez, V. A.
2016
- **Modified High Molecular Weight Hyaluronan Promotes Allergen-Specific Immune Tolerance.** *American journal of respiratory cell and molecular biology*
Gebe, J. A., Yadava, K., Ruppert, S. M., Marshall, P., Hill, P., Falk, B. A., Sweere, J. M., Han, H., Kaber, G., Medina, C., Mikecz, K., Ziegler, S. F., Balaji, et al
2016: -?
- **Novel signaling pathways in pulmonary arterial hypertension (2015 Grover Conference Series).** *Pulmonary circulation*
Awad, K. S., West, J. D., de Jesus Perez, V., Maclean, M.
2016; 6 (3): 285-294
- **Loss of PPAR γ in endothelial cells leads to impaired angiogenesis.** *Journal of cell science*
Vattulainen-Collanus, S., Akinrinade, O., Li, M., Koskenvuo, M., Li, C. G., Rao, S. P., de Jesus Perez, V., Yuan, K., Sawada, H., Koskenvuo, J. W., Alvira, C., Rabinovitch, M., Alastalo, et al
2016; 129 (4): 693-705
- **Recent advances in the management of pulmonary arterial hypertension.** *F1000Research*
Tsai, H., Sung, Y. K., de Jesus Perez, V.
2016; 5: 2755-?
- **First among Equals: Nerve Growth Factor in the Pathogenesis of Pulmonary Arterial Hypertension.** *American journal of respiratory and critical care medicine*
de Jesus Perez, V. A.

2015; 192 (3): 274-275

- **Perlecan heparan sulfate deficiency impairs pulmonary vascular development and attenuates hypoxic pulmonary hypertension.** *Cardiovascular research*
Chang, Y., Tseng, C., Tannenberg, P., Eriksson, L., Yuan, K., de Jesus Perez, V. A., Lundberg, J., Lengquist, M., Botusan, I. R., Catrina, S., Tran, P., Hedin, U., Tran-Lundmark, et al
2015; 107 (1): 20-31
- **Cyclosporine Does Not Prevent Microvascular Loss in Transplantation but Can Synergize With a Neutrophil Elastase Inhibitor, Elafin, to Maintain Graft Perfusion During Acute Rejection** *AMERICAN JOURNAL OF TRANSPLANTATION*
Jiang, X., Nguyen, T. T., Tian, W., Sung, Y. K., Yuan, K., Qian, J., Rajadas, J., Sallenave, J., Nickel, N. P., Perez, V. d., RABINOVITCH, M., Nicolls, M. R.
2015; 15 (7): 1768-1781
- **Right Heart Score for Predicting Outcome in Idiopathic, Familial, or Drug- and Toxin-Associated Pulmonary Arterial Hypertension.** *JACC. Cardiovascular imaging*
Haddad, F., Spruijt, O. A., Denault, A. Y., Mercier, O., Brunner, N., Furman, D., Fadel, E., Bogaard, H. J., Schnittger, I., Vrtovec, B., Wu, J. C., de Jesus Perez, V., Vonk-Noordegraaf, et al
2015; 8 (6): 627-638
- **Suppression of endothelial CD39/ENTPD1 is associated with pulmonary vascular remodeling in pulmonary arterial hypertension.** *American journal of physiology. Lung cellular and molecular physiology*
Helenius, M. H., Vattulainen, S., Orcholski, M., Aho, J., Komulainen, A., Taimen, P., Wang, L., de Jesus Perez, V. A., Koskenvuo, J. W., Alastalo, T.
2015; 308 (10): L1046-57
- **MicroRNA and Cardiovascular Disease** *BIOMED RESEARCH INTERNATIONAL*
Liao, X., Perez, V. A., Krol, M., Yeh, C., Yuan, L.
2015
- **Current Clinical Management of Pulmonary Arterial Hypertension** *CIRCULATION RESEARCH*
Zamanian, R. T., Kudelko, K. T., Sung, Y. K., Perez, V. D., Liu, J., Spiekerkoetter, E.
2014; 115 (1): 131-147
- **Perioperative pharmacological management of pulmonary hypertensive crisis during congenital heart surgery.** *Pulmonary circulation*
Brunner, N., de Jesus Perez, V. A., Richter, A., Haddad, F., Denault, A., Rojas, V., Yuan, K., Orcholski, M., Liao, X.
2014; 4 (1): 10-24
- **Reduced BMPR2 expression induces GM-CSF translation and macrophage recruitment in humans and mice to exacerbate pulmonary hypertension.** *journal of experimental medicine*
Sawada, H., Saito, T., Nickel, N. P., Alastalo, T., Glotzbach, J. P., Chan, R., Haghighat, L., Fuchs, G., Januszky, M., Cao, A., Lai, Y., Perez, V. d., Kim, et al
2014; 211 (2): 263-280
- **FK506 activates BMPR2, rescues endothelial dysfunction, and reverses pulmonary hypertension.** *journal of clinical investigation*
Spiekerkoetter, E., Tian, X., Cai, J., Hopper, R. K., Sudheendra, D., Li, C. G., El-Bizri, N., Sawada, H., Haghighat, R., Chan, R., Haghighat, L., de Jesus Perez, V., Wang, et al
2013; 123 (8): 3600-3613
- **Tie2-dependent VHL knockdown promotes airway microvascular regeneration and attenuates invasive growth of *Aspergillus fumigatus*.** *Journal of molecular medicine (Berlin, Germany)*
Jiang, X., Hsu, J. L., Tian, W., Yuan, K., Olcholski, M., de Jesus Perez, V., Semenza, G. L., Nicolls, M. R.
2013
- **MiR-133a modulates osteogenic differentiation of vascular smooth muscle cells.** *Endocrinology*
Liao, X. B., Zhang, Z. Y., Yuan, K., Liu, Y., Feng, X., Cui, R. R., Hu, Y. R., Yuan, Z. S., Gu, L., Li, S. J., Mao, D. A., Lu, Q., Zhou, et al
2013
- **Understanding the pharmacokinetics of oral treprostinil in patients with pulmonary arterial hypertension.** *Journal of cardiovascular pharmacology*
de Jesus Perez, V. A.
2013; 61 (6): 471-473

- **MicroRNAs: promising therapeutic targets for the treatment of pulmonary arterial hypertension.** *Expert opinion on therapeutic targets*
Yuan, K., Orcholski, M., Tian, X., Liao, X., de Jesus Perez, V. A.
2013; 17 (5): 557-564
- **A case of recurrent pericardial constriction presenting with severe pulmonary hypertension** *Pulmonary Circulation*
Nathan Brunner, Krithika Ramachandran, Kristina T. Kudelko, Yon K. Sung, Edda Spiekerkoetter, Phillip C. Yang, Roham T. Zamanian, Vinicio de Jesus Perez
2013; 3 (2): 436-439
- **Effectiveness of YouTube as a Source of Medical Information on Heart Transplantation.** *Interactive journal of medical research*
Chen, H., Hu, Z., Zheng, X., Yuan, Z., Xu, Z., Yuan, L., Perez, V. A., Yuan, K., Orcholski, M., Liao, X.
2013; 2 (2)
- **Safety and efficacy of transition from systemic prostanoids to inhaled treprostinil in pulmonary arterial hypertension.** *American journal of cardiology*
de Jesus Perez, V. A., Rosenzweig, E., Rubin, L. J., Poch, D., Bajwa, A., Park, M., Jain, M., Bourge, R. C., Kudelko, K., Spiekerkoetter, E., Liu, J., Hsi, A., Zamanian, et al
2012; 110 (10): 1546-1550
- **The Intersection of Genes and Environment Development of Pulmonary Arterial Hypertension in a Patient With Hereditary Hemorrhagic Telangiectasia and Stimulant Exposure** *CHEST*
Ayala, E., Kudelko, K. T., Haddad, F., Zamanian, R. T., Perez, V. d.
2012; 141 (6): 1598-1600
- **Diagnosis and management of pulmonary hypertension associated with left ventricular diastolic dysfunction** *Pulmonary Circulation*
de Jesus Perez, V., Haddad, F, Zamanian RT
2012; 2 (2): 163
- **Development of a recurrent pleural effusion in a patient with pulmonary arterial hypertension treated with imatinib** *Case Reports in Clinical Medicine*
Olga M. Fortenko, Lana Melendres-Groves, Alice Richter, Xiaobo Liao, Edda Spiekerkoetter, Roham Zamanian, Vinicio A. De Jesus Perez
2012; 1 (2): 38-41
- **Characteristics and Outcome After Hospitalization for Acute Right Heart Failure in Patients With Pulmonary Arterial Hypertension** *CIRCULATION-HEART FAILURE*
Haddad, F., Peterson, T., Fuh, E., Kudelko, K. T., Perez, V. D., Skhiri, M., Vagelos, R., Schnittger, I., Denault, A. Y., Rosenthal, D. N., Doyle, R. L., Zamanian, R. T.
2011; 4 (6): 692-699
- **Pulmonary Hypertension Associated With Left Heart Disease: Characteristics, Emerging Concepts, and Treatment Strategies** *PROGRESS IN CARDIOVASCULAR DISEASES*
Haddad, F., Kudelko, K., Mercier, O., Vrtovec, B., Zamanian, R. T., Perez, V. D.
2011; 54 (2): 154-167
- **Disruption of PPAR gamma/beta-catenin-mediated regulation of apelin impairs BMP-induced mouse and human pulmonary arterial EC survival** *JOURNAL OF CLINICAL INVESTIGATION*
Alastalo, T., Li, M., Perez, V. D., Pham, D., Sawada, H., Wang, J. K., Koskenvuo, M., Wang, L., Freeman, B. A., Chang, H. Y., Rabinovitch, M.
2011; 121 (9): 3735-3746
- **Incidence, Correlates, and Consequences of Acute Kidney Injury in Patients With Pulmonary Arterial Hypertension Hospitalized With Acute Right-Side Heart Failure** *JOURNAL OF CARDIAC FAILURE*
Haddad, F., Fuh, E., Peterson, T., Skhiri, M., Kudelko, K. T., Perez, V. D., Winkelmayr, W. C., Doyle, R. L., Chertow, G. M., Zamanian, R. T.
2011; 17 (7): 533-539
- **Chronic Thromboembolic Pulmonary Hypertension** *NEW ENGLAND JOURNAL OF MEDICINE*
Perez, V. A., Zamanian, R. T.
2011; 364 (17): 1677-1677
- **Disruption of the Apelin-APJ System Worsens Hypoxia-Induced Pulmonary Hypertension** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
Chandra, S. M., Razavi, H., Kim, J., Agrawal, R., Kundu, R. K., Perez, V. D., Zamanian, R. T., Quertermous, T., Chun, H. J.

2011; 31 (4): 814-U212

- **Making Sense of the Estrogen Paradox in Pulmonary Arterial Hypertension** *American Journal of Respiratory and Critical Care Medicine*
vinicio de jesus perez
2011; 184: 629
- **Drugs and toxins-associated pulmonary arterial hypertension: lessons learned and challenges ahead.** *International journal of clinical practice. Supplement*
de Jesus Perez, V., Kudelko, K., Snook, S., Zamanian, R. T.
2011: 8-10
- **Epoprostenol-associated pneumonitis: diagnostic use of a T-cell proliferation assay.** *journal of heart and lung transplantation*
Kudelko, K. T., Nadeau, K., Leung, A. N., Liu, J., Haddad, F., Zamanian, R. T., de Jesus Perez, V.
2010; 29 (9): 1071-1075
- **Cholinergic Modulation of Angiogenesis: Role of the 7 Nicotinic Acetylcholine Receptor** *JOURNAL OF CELLULAR BIOCHEMISTRY*
Wu, J. C., Chruscinski, A., Perez, V. A., Singh, H., Pitsiouni, M., Rabinovitch, M., Utz, P. J., Cooke, J. P.
2009; 108 (2): 433-446
- **S100A4 and Bone Morphogenetic Protein-2 Codependently Induce Vascular Smooth Muscle Cell Migration via Phospho-Extracellular Signal-Regulated Kinase and Chloride Intracellular Channel 4** *CIRCULATION RESEARCH*
Spiekerkoetter, E., Guignabert, C., Perez, V. D., Alastalo, T., Powers, J. M., Wang, L., Lawrie, A., Ambartsumian, N., Schmidt, A., Berryman, M., Ashley, R. H., Rabinovitch, M.
2009; 105 (7): 639-U37
- **Angina Associated With Left Main Coronary Artery Compression in Pulmonary Hypertension** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Perez, V. A., Haddad, F., Vagelos, R. H., Fearon, W., Feinstein, J., Zamanian, R. T.
2009; 28 (5): 527-530
- **An antiproliferative BMP-2/PPAR gamma/apoE axis in human and murine SMCs and its role in pulmonary hypertension** *JOURNAL OF CLINICAL INVESTIGATION*
Hansmann, G., de Jesus Perez, V. A., Alastalo, T., Alvira, C. M., Guignabert, C., Bekker, J. M., Schellong, S., Urashima, T., Wang, L., Morrell, N. W., Rabinovitch, M.
2008; 118 (5): 1846-1857
- **Coexistence of Primary adenocarcinoma of the lung and Tsukamurella pneumonia: a case report and review of the literature** *Journal of Medical Case Reports*
de Jesus Perez, V., Swigris J, Ruoss, S
2008; 207 (2)
- **Pulmonary arterial hypertension is linked to insulin resistance and reversed by peroxisome proliferator-activated receptor-gamma activation** *CIRCULATION*
Hansmann, G., Wagner, R. A., Schellong, S., Perez, V. A., Urashima, T., Wang, L., Sheikh, A. Y., Suen, R. S., Stewart, D. J., Rabinovitch, M.
2007; 115 (10): 1275-1284