Stanford

Stuti Agarwal

Instructor, Medicine - Pulmonary, Allergy & Critical Care Medicine

Bio

ACADEMIC APPOINTMENTS

- Instructor, Medicine - Pulmonary, Allergy & Critical Care Medicine

Publications

PUBLICATIONS

- **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

- **Pulmonary Hypertension Exhibits The Loss Of Capillaries, Leading To a Shift Toward Proliferative, Mesenchymal, and Hematopoietic Phenotypes**

  James, J., Kacar, S., Agarwal, S., Valuparampil Varghese, M., Sano, T., Bharti, D., Niihori, M., Gao, A., Gaston, B., Tepper, R., Dejesus, V., Rafikova, O., Rafikov, et al

  LIPPINCOTT WILLIAMS & WILKINS.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

- **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

- **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

- **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

- **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

- **Novel TRAF2 variant and KDR deletion are implicated in the pathogenesis of pulmonary arterial hypertension**

  Gallego, N., Pienkos, S., Condon, D., Cruz, A., Ochoa, N., Nevado, J., Arias, P., Agarwal, S., Patel, H., Chakraborty, A., Lapunzina, P., Escribano, P., de Jesus, et al

  SPRINGERNATURE.2022: 197-198

- **"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

- **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

- **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

- **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

- **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