



## Ananya Chakraborty

### Bio

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#### INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

### Publications

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#### PUBLICATIONS

- **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  
SPRINGER NATURE.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
- **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
- **From 2D to 3D: Promising Advances in Imaging Lung Structure**. *Frontiers in medicine*  
Klouda, T. n., Condon, D. n., Hao, Y. n., Tian, W. n., Lvova, M. n., Chakraborty, A. n., Nicolls, M. R., Zhou, X. n., Raby, B. A., Yuan, K. n.  
2020; 7: 343
- **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

- **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., Kaber, G., Steen, E., Balaji, S., Yuan, K., Keswani, S., Danielson, B., Gao, M., Medina, C., Nathan, et al  
2019; 203: 52–62
- **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
- **Angiopoietin like-4 as a novel vascular mediator in capillary cerebral amyloid angiopathy** *BRAIN*  
Chakraborty, A., Kamermans, A., van het Hof, B., Castricum, K., Aanhane, E., van Horssen, J., Thijssen, V. L., Scheltens, P., Teunissen, C. E., Fontijn, R. D., van der Flier, W. M., de Vries, H. E.  
2018; 141: 3377–88
- **Vascular Endothelial Growth Factor remains unchanged in cerebrospinal fluid of patients with Alzheimer's disease and vascular dementia** *ALZHEIMERS RESEARCH & THERAPY*  
Chakraborty, A., Chatterjee, M., Twaalfhoven, H., Milan, M., Teunissen, C. E., Scheltens, P., Fontijn, R. D., van Der Flier, W. M., de Vries, H. E.  
2018; 10: 58
- **The blood brain barrier in Alzheimer's disease** *VASCULAR PHARMACOLOGY*  
Chakraborty, A., de Wit, N. M., van der Flier, W. M., de Vries, H. E.  
2017; 89: 12–18