

Shaun Pienkos

- Clinical Scholar, Medicine - Pulmonary, Allergy & Critical Care Medicine
- Postdoctoral Scholar, Pulmonary and Critical Care Medicine

CLINICAL OFFICE (PRIMARY)

- **Chest Clinic**

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Bio

CLINICAL FOCUS

- Internal Medicine
- Critical Care Medicine

ACADEMIC APPOINTMENTS

- Clinical Scholar, Medicine - Pulmonary, Allergy & Critical Care Medicine

HONORS AND AWARDS

- Alpha Omega Alpha, Temple University School of Medicine (2018)

PROFESSIONAL EDUCATION

- Medical Education: Temple University School of Medicine (2018) PA
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2024)
- Fellowship: Stanford University Critical Care Medicine Fellowship (2024) CA
- Board Certification: Pulmonary Disease, American Board of Internal Medicine (2023)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2021)
- Residency: Stanford Health Care (2021) CA
- BS, Santa Clara University , Finance, Psychology (2011)
- MD, Temple University School of Medicine (2018)

STANFORD ADVISORS

- Mark Nicolls, Postdoctoral Faculty Sponsor
- Catherine Blish, Postdoctoral Research Mentor

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pulmonary & Critical Care Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Molecular endotypes predict differential response to immunosuppressant therapy in non-IPF interstitial lung disease.** *American journal of respiratory and critical care medicine*
Maddali, M. V., Pugashetti, J. V., Pienkos, S. M., Moore, A. R., Konkol, S. B., Kim, J. S., Ma, S. F., Newton, C. A., Garcia, C. K., Adegunsoye, A., Streck, M. E., Chen, C. H., Linderholm, et al
2026
- **Drivers of prognosis and clinical trajectories differ between COVID and non-COVID acute hypoxic respiratory failure.** *PLoS one*
Pienkos, S., Moore, A. R., Roque, J., Jensen, A., Pacheco-Navarro, A., Lebold, K. M., Parmer-Chow, C., Sanchez, P. A., Morin, H., O'Donnell, C., Ramaswamy, T., Collins, W., Wilson, et al
2025; 20 (12): e0339604
- **Dysregulated regulatory T cell response in immunosuppressed individuals is associated with increased inflammation in COVID-19 breakthrough infections**
Chan, L., Pinedo, K., Stabile, M., Hamlin, R., Pienkos, S., Yang, S., Blomkalns, A. L., Nadeau, K., O'hara, R., Rogers, A. J., Pulendran, B., Agbor-Enoh, S., Blish, et al
OXFORD UNIV PRESS.2025
- **Single-Cell and Plasma Proteomics Do Not Differentiate Patients With and Without SARS-CoV-2 Antigenemia in Convalescence in a Cohort of 100 Patients.** *Open forum infectious diseases*
Pienkos, S., Swank, Z., Hamlin, R. E., Rao, M., Grant, P., Bonilla, H., Jacobson, K., Jagannathan, P., Singh, U., Walt, D. R., Subramanian, A., Blish, C.
2025; 12 (9): ofaf515
- **Prior vaccination prevents overactivation of innate immune responses during COVID-19 breakthrough infection.** *Science translational medicine*
Chan, L., Pinedo, K., Stabile, M. A., Hamlin, R. E., Pienkos, S. M., Ratnasiri, K., Yang, S., Blomkalns, A. L., Nadeau, K. C., Pulendran, B., O'Hara, R., Rogers, A. J., Holmes, et al
2025; 17 (783): eadq1086
- **Oxygenation trajectories following inhaled nitric oxide in non-intubated and mechanically ventilated COVID-19 patients** *CHEST Critical Care*
Ramaswamy, T. S., et al
2025
- **Sex differences and immune correlates of Long Covid development, symptom persistence, and resolution.** *Science translational medicine*
Hamlin, R. E., Pienkos, S. M., Chan, L., Stabile, M. A., Pinedo, K., Rao, M., Grant, P., Bonilla, H., Holubar, M., Singh, U., Jacobson, K. B., Jagannathan, P., Maldonado, et al
2024; 16 (773): eadr1032
- **Sex differences and immune correlates of Long COVID development, persistence, and resolution.** *bioRxiv : the preprint server for biology*
Hamlin, R. E., Pienkos, S. M., Chan, L., Stabile, M. A., Pinedo, K., Rao, M., Grant, P., Bonilla, H., Holubar, M., Singh, U., Jacobson, K. B., Jagannathan, P., Maldonado, et al
2024
- **Association between emergency department disposition and mortality in patients with COVID-19 acute respiratory distress syndrome.** *Journal of the American College of Emergency Physicians open*
Lebold, K. M., Moore, A. R., Sanchez, P. A., Pacheco-Navarro, A. E., O'Donnell, C., Roque, J., Parmer, C., Pienkos, S., Levitt, J., Collins, W. J., Rogers, A. J., Wilson, J. G.
2024; 5 (3): e13192
- **Elevated Plasma Interleukin-18 Identifies High-Risk Acute Respiratory Distress Syndrome Patients not Distinguished by Prior Latent Class Analyses Using Traditional Inflammatory Cytokines: A Retrospective Analysis of Two Randomized Clinical Trials.** *Critical care medicine*
Moore, A. R., Pienkos, S. M., Sinha, P., Guan, J., O'Kane, C. M., Levitt, J. E., Wilson, J. G., Shankar-Hari, M., Matthay, M. A., Calfee, C. S., Baron, R. M., McAuley, D. F., Rogers, et al
2023

- **Right Ventricular Dysfunction Patterns Among Patients with COVID-19 in the Intensive Care Unit - a Retrospective Cohort Analysis.** *Annals of the American Thoracic Society*
Sanchez, P. A., O'Donnell, C. T., Francisco, N., Santana, E. J., Moore, A. R., Pacheco-Navarro, A., Roque, J., Lebold, K. M., Parmer, C. M., Pienkos, S. M., Celestin, B. E., Levitt, J. E., Collins, et al
2023
- **Effect of total cholesterol and statin therapy on mortality in ARDS patients: a secondary analysis of the SAILS and HARP-2 trials.** *Critical care (London, England)*
Pienkos, S. M., Moore, A. R., Guan, J., Levitt, J. E., Matthay, M. A., Baron, R. M., Conlon, J., McAuley, D. F., O'Kane, C. M., Rogers, A. J.
2023; 27 (1): 126
- **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 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
- **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
- **The chronic disease self-management program--A pilot study in patients undergoing hemodialysis.** *Nephrology news & issues*
Slesnick, N., Pienkos, S., Sun, S., Doss-McQuitty, S., Schiller, B.
2015; 29 (4): 22-3, 27-8, 30-2
- **Knowledge and perception of home dialysis in ESRD patients: a survey in incident and prevalent patients undergoing in-center HD.** *Nephrology news & issues*
Pienkos, S., Sun, S., Doss-McQuitty, S., Czajkowski, T., Schiller, B.
2013; 27 (6): 24-6, 28
- **First exposure to home therapy options--where, when, and how.** *Nephrology nursing journal : journal of the American Nephrology Nurses' Association*
Czajkowski, T., Pienkos, S., Schiller, B., Doss-McQuitty, S.
2013; 40 (1): 29-34; quiz 35