Stanford



Joshua Mooney

Clinical Associate Professor, Medicine - Pulmonary, Allergy & Critical Care Medicine

CLINICAL OFFICE (PRIMARY)

- **Chest Clinic**

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Bio

BIO

Joshua Mooney, MD, MS, is a board certified pulmonologist and critical care physician who specializes in the care of interstitial lung disease and lung transplant patients. He performs health services and outcomes research focused on understanding and improving the lives and care of patients with advanced lung disease and is actively involved in clinical trials to improve outcomes in interstitial lung disease. He is the Associate Medical Director for Lung and Heart/Lung Transplantation at Stanford and director of the Pulmonary Fibrosis Foundation Care Center at Stanford.

CLINICAL FOCUS

- Lung Transplantation
- Heart Lung Transplantation
- Interstitial Lung Disease
- Idiopathic Pulmonary Fibrosis
- Hypersensitivity Pneumonitis
- Pulmonary Disease

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Pulmonary, Allergy & Critical Care Medicine

ADMINISTRATIVE APPOINTMENTS

- Associate Medical Director for Lung and Heart/Lung Transplantation, Stanford, (2019- present)
- Director, Stanford Pulmonary Fibrosis Foundation Care Center, (2016- present)

HONORS AND AWARDS

- Medical Honor Society, Alpha Omega Alpha (AOA) (2008)
- Medical Honor Society, Gold Humanism (2008)
- KL2 Career Development Award, Spectrum, Stanford Center for Clinical and Translational Research and Education (2014)

- Transplant Registry Early Career Award, International Society for Heart and Lung Transplantation (2016)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board, Annals of the American Thoracic Society (2018 - present)
- Pulmonary Transplant Council Liason, Junior Faculty and Trainee Council, International Society for Heart and Lung Transplantation (2016 - 2020)
- Executive Committee, Junior Faculty Representative, American Society of Transplantation Thoracic and Critical Care Community of Practice (2015 - 2016)

PROFESSIONAL EDUCATION

- Board Certification: Pulmonary Disease, American Board of Internal Medicine (2024)
- Board Certification: Critical Care Medicine, American Board of Internal Medicine (2024)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2024)
- Residency: UCSF Dept of Internal Medicine (2012) CA
- Medical Education: University of Minnesota School of Medicine (2009) MN
- MS, Stanford University , Health Services Research (2016)
- Fellowship: Stanford University (2015)
- MD, University of Minnesota Medical School , Medicine (2009)
- Intern, University of California San Francisco , Internal Medicine (2010)
- Resident, University of California San Francisco , Internal Medicine (2012)
- Fellow, Stanford University , Pulmonary and Critical Care Medicine (2015)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Outcomes and Health Services Research in Advanced Lung Disease & Lung Transplant

CLINICAL TRIALS

- A Study to Evaluate the Efficacy and Safety of CC-90001 in Subjects With Idiopathic Pulmonary Fibrosis, Not Recruiting
- A Trial to Evaluate the Safety of Long Term Treatment With Nintedanib in Patients With Scleroderma Related Lung Fibrosis, Not Recruiting
- Detection of Integrin avb6 in IPF, PSC, and COVID19 Using PET/CT, Not Recruiting
- Evaluation of Efficacy and Safety of PLN-74809 in Patients With Idiopathic Pulmonary Fibrosis, Not Recruiting
- Prospective Treatment Efficacy in IPF Using Genotype for Nac Selection (PRECISIONS) Trial, Not Recruiting
- Pulmonary Fibrosis Foundation Patient Registry, Not Recruiting
- Zephyrus I: Evaluation of Efficacy and Safety of Pamrevlumab in Participants With Idiopathic Pulmonary Fibrosis (IPF), Not Recruiting
- Dose-Escalation Study of Artesunate Patients With IPF, Not Specified

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Health Services Research (Masters Program)
- Pulmonary & Critical Care Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Bexotegrast Shows Dose-dependent Integrin αvβ6 Receptor Occupancy in Lungs of Participants with Idiopathic Pulmonary Fibrosis: A Phase 2, Open-Label Clinical Trial.** *Annals of the American Thoracic Society*
  Mooney, J. J., Jacobs, S., Lefebvre, É. A., Cosgrove, G. P., Clark, A., Turner, S. M., Decaris, M., Barnes, C. N., Jurek, M., Williams, B., Duan, H., Kimura, R., Rizzo, et al
  2024

- **Potential Delays in Diagnosis of Idiopathic Pulmonary Fibrosis in Medicare Beneficiaries.** *Annals of the American Thoracic Society*
  Mooney, J. n., Chang, E. n., Lalla, D. n., Papoyan, E. n., Raimundo, K. n., Reddy, S. R., Stauffer, J. n., Yan, T. n., Broder, M. S.
  2019

- **Estimated Impact of Hepatitis C Positive Lung Donor Utilization on US Donor Lung Supply.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Mooney, J. J., Purington, N. n., Mohabir, P. n., Dhillon, G. S.
  2019

- **Multiple Listing in Lung Transplant Candidates: A Cohort Study.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Mooney, J. J., Yang, L., Hedlin, H., Mohabir, P., Dhillon, G. S.
  2018

- **Effect of broader geographic sharing of donor lungs on lung transplant waitlist outcomes.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Mooney, J. J., Bhattacharya, J. n., Dhillon, G. S.
  2018

- **Racial and ethnic disparities in lung transplant listing and waitlist outcomes.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Mooney, J. J., Hedlin, H. n., Mohabir, P. n., Bhattacharya, J. n., Dhillon, G. S.
  2017

- **COUNTERPOINT: Should BAL Be Routinely Performed in the Diagnostic Evaluation of Idiopathic Pulmonary Fibrosis? No.** *Chest*
  Mooney, J. J., Collard, H. R.
  2017

- **Effect of Transplant Center Volume on Cost and Readmissions in Medicare Lung Transplant Recipients.** *Annals of the American Thoracic Society*
  Mooney, J. J., Weill, D., Boyd, J. H., Nicolls, M. R., Bhattacharya, J., Dhillon, G. S.
  2016; 13 (7): 1034-1041

- **Lung Quality and Utilization in Controlled Donation After Circulatory Determination of Death Within the United States** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Mooney, J. J., Hedlin, H., Mohabir, P. K., Vazquez, R., Nguyen, J., Ha, R., Chiu, P., Patel, K., Zamora, M. R., Weill, D., Nicolls, M. R., Dhillon, G. S.
  2016; 16 (4): 1207-1215

- **Increased Resource Use in Lung Transplant Admissions in the Lung Allocation Score Era** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
  Maxwelll, B. G., Mooney, J. J., Lee, P. H., Levitt, J. E., Chhatwani, L., Nicolls, M. R., Zamora, M. R., Valentine, V., Weill, D., Dhillon, G. S.
  2015; 191 (3): 302-308

- **Impact of the lung allocation score on survival beyond 1 year.** *American journal of transplantation*
  Maxwell, B. G., Levitt, J. E., Goldstein, B. A., Mooney, J. J., Nicolls, M. R., Zamora, M., Valentine, V., Weill, D., Dhillon, G. S.
  2014; 14 (10): 2288-2294

- **Radiographic Fibrosis Score Predicts Survival in Hypersensitivity Pneumonitis** *CHEST*
  Mooney, J. J., Elicker, B. M., Urbania, T. H., Agarwal, M. R., Ryerson, C. J., Nguyen, M. L., Woodruff, P. G., Jones, K. D., Collard, H. R., King, T. E., Koth, L. L.

2013; 144 (2): 586-592

- **Digital Gangrene and Postoperative Survival Following Lung or Heart-Lung Transplantation in Patients With Systemic Sclerosis.** *ACR open rheumatology*
  Lee, B. S., Melehani, J. H., Li, S., Mooney, J., Chung, L.
  2025; 7 (11): e70134
- **Pamrevlumab for Idiopathic Pulmonary Fibrosis: The ZEPHYRUS-1 Randomized Clinical Trial.** *JAMA*
  Raghu, G., Richeldi, L., Fernández Pérez, E. R., De Salvo, M. C., Silva, R. S., Song, J. W., Ogura, T., Xu, Z. J., Belloli, E. A., Zhang, X., Seid, L. L., Poole, L.
  2024
- **A Machine Learning System to Indicate Diagnosis of Idiopathic Pulmonary Fibrosis Non-Invasively in Challenging Cases.** *Diagnostics (Basel, Switzerland)*
  Ahmad, Y., Mooney, J., Allen, I. E., Seaman, J., Kalra, A., Muelly, M., Reicher, J.
  2024; 14 (8)
- **Effects of nintedanib in patients with limited cutaneous systemic sclerosis and interstitial lung disease.** *Rheumatology (Oxford, England)*
  Allanore, Y., Khanna, D., Smith, V., Aringer, M., Hoffmann-Vold, A. M., Kuwana, M., Merkel, P. A., Stock, C., Sambevski, S., Denton, C. P.
  2024; 63 (3): 639-647
- **Associations of Plasma Omega-3 Fatty Acids with Progression and Survival in Pulmonary Fibrosis.** *Chest*
  Kim, J. S., Ma, S. F., Ma, J. Z., Huang, Y., Bonham, C. A., Oldham, J. M., Adegunsoye, A., Strek, M. E., Flaherty, K. R., Strickland, E., Udofia, I., Mooney, J. J., Ghosh, et al
  2023
- **Factors associated with listing for lung transplantation in IPF patients: An analysis of the pulmonary fibrosis foundation registry.** *Heliyon*
  King, C. S., White, E., Aryal, S., Shlobin, O. A., Singhal, A., Brown, A. W., Thomas, C., Khangoora, V., Nyquist, A., Flaherty, K. R., Nathan, S. D., Mooney, J. J.
  2023; 9 (8): e18618
- **A double-blind, placebo-controlled, randomized withdrawal trial of sarilumab for the treatment of glucocorticoid-dependent sarcoidosis.** *Rheumatology (Oxford, England)*
  Baker, M. C., Horomanski, A., Wang, Y., Yuhan, L., Parsafar, S., Fairchild, R., Mooney, J. J., Raj, R., Witteles, R., Genovese, M. C.
  2023
- **Design and rationale for the prospective treatment efficacy in IPF using genotype for NAC selection (PRECISIONS) clinical trial.** *BMC pulmonary medicine*
  Podolanczuk, A. J., Kim, J. S., Cooper, C. B., Lasky, J. A., Murray, S., Oldham, J. M., Raghu, G., Flaherty, K. R., Spino, C., Noth, I., Martinez, F. J.
  2022; 22 (1): 475
- **Phase 2 drug target engagement study of PLN-74809 in patients with idiopathic pulmonary fibrosis using a novel av beta 6 cystine knot PET imaging tracer**
  Wardak, M., Turner, S., Mooney, J., Rizzo, G., Morris, K., Jacobs, S., Duan, H., Lefebvre, E., Cosgrove, G., Wong, S., Bellini, J., Jurek, M., Decaris, et al
  SOC NUCLEAR MEDICINE INC.2022
- **ISHLT consensus document on lung transplantation in patients with connective tissue disease: Part II: Cardiac, surgical, perioperative, operative, and post-operative challenges and management statements.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Bermudez, C. A., Crespo, M. M., Shlobin, O. A., Cantu, E., Mazurek, J. A., Levine, D., Gutsche, J., Kanwar, M., Dellgren, G., Bush, E. L., Heresi, G. A., Cypel, M., Hadler, et al
  2021
- **The Role of Surgical Lung Biopsy in the Diagnosis of Fibrotic Interstitial Lung Disease: Perspective from the Pulmonary Fibrosis Foundation.** *Annals of the American Thoracic Society*
  Hariri, L. P., Roden, A. C., Chung, J. H., Danoff, S. K., Gomez Manjarres, D. C., Hartwig, M., Kheir, F., King, C., Kreider, M., Lynch, D. A., Mooney, J., Muniappan, A., Myers, et al
  2021
- **Effect of Antimicrobial Therapy on Respiratory Hospitalization or Death in Adults With Idiopathic Pulmonary Fibrosis: The CleanUP-IPF Randomized Clinical Trial.** *JAMA*

Martinez, F. J., Yow, E., Flaherty, K. R., Snyder, L. D., Durheim, M. T., Wisniewski, S. R., Sciurba, F. C., Raghu, G., Brooks, M. M., Kim, D. Y., Dilling, D. F., Criner, G. J., Kim, et al
2021; 325 (18): 1841-1851

- **Essential Components of an Interstitial Lung Disease Clinic: Results From a Delphi Survey and Patient Focus Group Analysis.** *Chest*
  Graney, B. A., He, C., Marll, M., Matson, S., Bianchi, P., Cosgrove, G. P., Lee, J. S.
  2021; 159 (4): 1517-1530
- **First lung and kidney multi-organ transplant following COVID-19 Infection.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Guenthart, B. A., Krishnan, A., Alassar, A., Madhok, J., Kakol, M., Miller, S., Cole, S. P., Rao, V. K., Acero, N. M., Hill, C. C., Cheung, C., Jackson, E. C., Feinstein, et al
  2021
- **Antifibrotic therapies reduce mortality and hospitalization among Medicare beneficiaries with idiopathic pulmonary fibrosis.** *Journal of managed care & specialty pharmacy*
  Mooney, J., Reddy, S. R., Chang, E., Broder, M. S., Gokhale, S., Corral, M.
  2021; 27 (12): 1724-1733
- **Gastric per-oral endoscopic myotomy for severe post-lung transplant gastroparesis: A single-center experience.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Podboy, A. J., Clarke, J. O., Nguyen, L. A., Mooney, J. J., Dhillon, G. S., Hwang, J. H.
  2020
- **Utilization of hepatitis C virus-infected organ donors in cardiothoracic transplantation: An ISHLT expert consensus statement.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Aslam, S., Grossi, P., Schlendorf, K. H., Holm, A. M., Woolley, A. E., Blumberg, E., Mehra, M. R.
  2020; 39 (5): 418-432
- **Rituximab Versus Mycophenolate in the Treatment of Recalcitrant Connective Tissue Disease-Associated Interstitial Lung Disease.** *ACR open rheumatology*
  Zhu, L. n., Chung, M. P., Gagne, L. n., Guo, H. H., Guenther, Z. n., Li, S. n., Jacobs, S. n., Morisset, J. n., Mooney, J. J., Raj, R. n., Chung, L. n.
  2020
- **Evaluation of integrin alphavbeta6 cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis.** *Nature communications*
  Kimura, R. H., Wang, L., Shen, B., Huo, L., Tummers, W., Filipp, F. V., Guo, H. H., Haywood, T., Abou-Elkacem, L., Baratto, L., Habte, F., Devulapally, R., Witney, et al
  2019; 10 (1): 4673
- **Nintedanib for Systemic Sclerosis-Associated Interstitial Lung Disease.** *The New England journal of medicine*
  Distler, O., Highland, K. B., Gahlemann, M., Azuma, A., Fischer, A., Mayes, M. D., Raghu, G., Sauter, W., Girard, M., Alves, M., Clerisme-Beaty, E., Stowasser, S., Tetzlaff, et al
  2019; 380 (26): 2518-2528
- **Successful Heart-Lung Transplant for a Patient on Continuous-Flow Left Ventricular Assist Device Support Complicated With Amiodarone-Induced Pulmonary Fibrosis.** *Transplantation proceedings*
  Currie, M. E., Shudo, Y., Mooney, J., Woo, Y. J.
  2019; 51 (2): 593–94
- **Identification of Diagnostic Criteria for Chronic Hypersensitivity Pneumonitis: An International Modified Delphi Survey.** *American journal of respiratory and critical care medicine*
  Morisset, J., Johannson, K. A., Jones, K. D., Wolters, P. J., Collard, H. R., Walsh, S. L., Ley, B.
  2017
- **Hospital cost and length of stay in idiopathic pulmonary fibrosis** *JOURNAL OF MEDICAL ECONOMICS*
  Mooney, J. J., Raimundo, K., Chang, E., Broder, M. S.
  2017; 20 (5): 518-524
- **Delirium after lung transplantation: Association with recipient characteristics, hospital resource utilization, and mortality.** *Clinical transplantation*
  Sher, Y., Mooney, J., Dhillon, G., Lee, R., Maldonado, J. R.

2017; 31 (5)

- **Mechanical ventilation in idiopathic pulmonary fibrosis: a nationwide analysis of ventilator use, outcomes, and resource burden.** *BMC pulmonary medicine*
  Mooney, J. J., Raimundo, K. n., Chang, E. n., Broder, M. S.
  2017; 17 (1): 84
- **Hypersensitivity Pneumonitis: Lessons from the Great Imitator in Interstitial Lung Disease.** *Annals of the American Thoracic Society*
  Mooney, J. J.
  2017; 14 (10): 1506–7
- **Rebuttal from Drs Mooney and Collard.** *Chest*
  Mooney, J. J., Collard, H. R.
  2017
- **Changing the curve in chronic lung allograft dysfunction: Implications of chronic lung allograft dysfunction phenotypes in assessing treatment interventions.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Mooney, J. J.
  2017
- **Lung transplantation following death by drowning: a review of the current literature.** *Clinical transplantation*
  Pasupneti, S., Patel, K., Mooney, J. J., Chhatwani, L., Dhillon, G., Weill, D.
  2016; 30 (10): 1195-1197
- **Invasive mold infections in lung and heart-lung transplant recipients: Stanford University experience** *TRANSPLANT INFECTIOUS DISEASE*
  Vazquez, R., Vazquez-Guillamet, M. C., Suarez, J., Mooney, J., Montoya, J. G., Dhillon, G. S.
  2015; 17 (2): 259-266
- **Understanding the lung allocation score for the non-transplant pulmonologist** *Current Pulmonology Reports*
  Mooney, J. J., Gries, C. J.
  2015
- **Predicting Survival Across Chronic Interstitial Lung Disease The ILD-GAP Model** *CHEST*
  Ryerson, C. J., Vittinghoff, E., Ley, B., Lee, J. S., Mooney, J. J., Jones, K. D., Elicker, B. M., Wolters, P. J., Koth, L. L., King, T. E., Collard, H. R.
  2014; 145 (4): 723-728
- **Surgical lung biopsy over bronchoalveolar lavage in chronic hypersensitivity pneumonitis.** *American journal of respiratory and critical care medicine*
  Mooney, J. J., Koth, L. L.
  2014; 189 (3): 371-372
- **Lung Transplantation for Hypersensitivity Pneumonitis.** *Chest*
  Kern, R. M., Singer, J. P., Koth, L. n., Mooney, J. n., Golden, J. n., Hays, S. n., Greenland, J. n., Wolters, P. n., Ghio, E. n., Jones, K. D., Leard, L. n., Kukreja, J. n., Blanc, et al
  2014
- **Prevalence and prognosis of unclassifiable interstitial lung disease** *EUROPEAN RESPIRATORY JOURNAL*
  Ryerson, C. J., Urbania, T. H., Richeldi, L., Mooney, J. J., Lee, J. S., Jones, K. D., Elicker, B. M., Koth, L. L., King, T. E., Wolters, P. J., Collard, H. R.
  2013; 42 (3): 750-757
- **Ninety-day mortality and major complications are not affected by use of lung allocation score** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  McCue, J. D., Mooney, J., Quail, J., Arrington, A., Herrington, C., Dahlberg, P. S.
  2008; 27 (2): 192-196