



Jyothi Tirumalasetty, MD, FAAAAAI

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

CLINICAL OFFICE (PRIMARY)

- **Atherton Allergy, Asthma, and Immunodeficiency
Clinic**

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Bio

BIO

Dr. Tirumalasetty is a board-certified, fellowship-trained allergist and immunologist in the Stanford Health Care Allergy, Asthma, and Immunodeficiency Clinic. She is also a clinical associate professor in the Department of Medicine, Division of Pulmonary, Allergy & Critical Care Medicine at Stanford University School of Medicine. Dr. Tirumalasetty completed fellowship training in allergy and immunology from the Northwestern University Feinberg School of Medicine in Chicago, IL.

She specializes in diagnosing and treating asthma and food and drug allergies in adults. Her clinical focus areas also include chronic cough, immunotherapy to prevent allergies, and biologics to treat asthma. Biologics are used to prevent airway inflammation and other asthma symptoms. Dr. Tirumalasetty works closely with her patients to provide a comprehensive evaluation and an innovative, patient-centered care plan.

Dr. Tirumalasetty has been co-investigator in multiple clinical trials funded by the National Institutes of Health (NIH). Her research interests include studying health inequity in food allergy, sustainability in medicine, and severe allergic asthma. Dr. Tirumalasetty is the primary investigator on a research project supported by Stanford Medicine's Spectrum Pilot Grant. She is collaborating with a multidisciplinary team of physicians within Stanford. The Green Inhaler Pilot Project focuses on educating Stanford Health Care providers and encouraging them to prescribe inhalers that emit lower levels of greenhouse gases.

Dr. Tirumalasetty has presented to her colleagues at lectures all over the nation. Her presentations have covered a range of topics, including atopy in asthma, managing food and drug allergies, and anaphylaxis (severe allergic reaction). Dr. Tirumalasetty has been interviewed as an allergy expert for several articles in national publications, including The New York Times. She serves as a medical advisor on the board of directors for Securing Safe Food, a nonprofit organization that works with food pantries to provide allergen-free food to people with food allergies.

Dr. Tirumalasetty's articles have appeared in numerous peer-reviewed journals, including The Journal of The American Medical Association (JAMA), The Journal of Allergy and Clinical Immunology, Journal of Asthma, Expert Review of Clinical Immunology, and Annual Review of Immunology. She published

a book chapter about immunotherapy for food allergies in Reference Module in Food Science. She has served as an ad hoc peer reviewer for Clinical and Translational Allergy, Allergy Journal, and World Allergy Organization Journal.

Dr. Tirumalasetty is a fellow of the American Academy of Allergy, Asthma & Immunology and the American College of Allergy, Asthma & Immunology. She is a member of several professional organizations, including the European Academy of Allergy & Clinical Immunology; World Allergy Organization; Western Society of Allergy, Asthma & Immunology; American Thoracic Society; and California Society of Allergy, Asthma and Immunology.

CLINICAL FOCUS

- Allergy and Immunology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Pulmonary, Allergy & Critical Care Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Board Certification: Allergy and Immunology, American Board of Allergy and Immunology (2006)
- Fellowship: Northwestern University Allergy and Immunology Fellowship (2006) IL
- Residency: Northwestern University Internal Medicine Residency (2004) IL
- Medical Education: Drexel University School of Medicine (2001) PA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Reducing healthcare-related carbon emissions with a focus on inhalers.

Health disparities in food allergy.

Climate change and asthma.

Publications

PUBLICATIONS

- **Rethinking Inhalers in the Era of Climate Change.** *JAMA*
Rabin, A. S., Tirumalasetty, J., Maximous, S. I.
2025
- **Greenhouse Gas Emissions Related to Inhalers-Reply.** *JAMA*
Tirumalasetty, J., Alkhunaizi, M., Nassikas, N.
2025
- **Reducing Inhaler-Related Greenhouse Gas Emissions.** *JAMA*
Alkhunaizi, M., Nassikas, N., Eggert, L. E., Tirumalasetty, J.
2025
- **A dentist-scientist oath.** *Journal of the American Dental Association (1939)*
Lam, D. K., O'Hara, R., Sunwoo, J. B., Borghi, J. A., Tirumalasetty, J., Nadershahi, N. A., Moazzez, R.
2025
- **Associations Of Air Pollution And Heat With Asthma Healthcare Visits In California Counties - An Ecological Study**
Tirumalasetty, J., Lim, J., Eggert, L., Arroyo, A., Nassikas, N.
MOSBY-ELSEVIER.2025: AB309

- **Greenhouse Gas Emissions and Costs of Inhaler Devices in the US.** *JAMA*
Tirumalasetty, J., Miller, S. A., Prescott, H. C., DeTata, S., Arroyo, A. C., Wilkinson, A. J., Rabin, A. S.
2024
- **Demographic Factors Influencing Pediatric Food Allergy Treatment Decisions**
Knihtila, H., Shaw, B., Hernandez, J., Arroyo, A., Tirumalasetty, J.
MOSBY-ELSEVIER.2026
- **The Immunobiology and Treatment of Food Allergy.** *Annual review of immunology*
Barshow, S., Tirumalasetty, J., Sampath, V., Zhou, X., Seastedt, H., Schuetz, J., Nadeau, K.
2024
- **Peanut allergy: risk factors, immune mechanisms, and best practices for oral immunotherapy success.** *Expert review of clinical immunology*
Tirumalasetty, J., Barshow, S., Kost, L., Morales, L., Sharma, R., Lazarte, C., Nadeau, K. C.
2023: 1-11
- **The role of biologics in pediatric food allergy and eosinophilic gastrointestinal disorders.** *The Journal of allergy and clinical immunology*
Sindher, S. B., Barshow, S., Tirumalasetty, J., Arasi, S., Atkins, D., Bauer, M., Bégin, P., Collins, M. H., Deschildre, A., Doyle, A. D., Fiocchi, A., Furuta, G. T., Garcia-Lloret, et al
2023; 151 (3): 595-606
- **The Effects of Long-term Food Oral Immunotherapy on Compliance, Quality of Life, and Perceived Burden of Care**
Tirumalasetty, J., Sullivan, L., Martinez, K., Collins, W., Albarran, M., Gajare, P., Kost, L., Chinthrajah, S., Sindher, S., Cao, S.
MOSBY-ELSEVIER.2023: AB29
- **Monitoring Clinical Response to Immunomodulatory Treatments** *Reference Module in Food Science*
J, T., R, M., , R, R., L, K., K, F., J, R., I, B., AR, C., RS, C., S, S.
2023
- **Beware Of The Gilded Lung Nodule**
Belvitch, P., Tirumalasetty, J.
AMER THORACIC SOC.2014
- **Asthma, surgery, and general anesthesia: a review.** *The Journal of asthma : official journal of the Association for the Care of Asthma*
Tirumalasetty, J., Grammer, L. C.
2006; 43 (4): 251-4
- **The TLR7 ligand loxoribine induces pentraxin 3 expression in peripheral blood mononuclear cells**
Tirumalasetty, J. I., Shin, S. C., Miranowski, A. C., Truong-Tran, Q. A., Grammer, L. C., Greenberger, P. A., Schleimer, R. P.
MOSBY, INC.2006: S13
- **Enhanced expression of innate immune genes in chronic rhinosinusitis**
Truong-Tran, A. Q., Kern, R., Conley, D., Retsema, S., Grammer, L., Suh, L., Tirumalasetty, J., Tancowny, B., Tripathi, A., Schleimer, R.
MOSBY, INC.2006: S183