



Nicholas Kenyon, M.D., M.A.S.

Philosophy of Care

I believe that patients with complex chronic lung disease require a comprehensive, team approach to care and management. That is the type of care we envision in the UC Davis Asthma Network clinics.

Clinical Interests

Dr. Kenyon's clinical interests focus on severe asthma in adults, chronic obstructive pulmonary disease (COPD), environmental health, and non-invasive markers of airway disease and critical care.

Research/Academic Interests

My research interests are in airways diseases and lung injury. As a physician-scientist and Co-Director of the UC Davis Asthma Network (UCAN) clinics with a research interest in adult severe asthma, my laboratory staff and I are working to develop the next medications to improve the care of all patients with severe asthma.

I was the recipient of an NIH career development award to study the effects of nitric oxide in models of airway inflammation, and this work translated into an FDA new drug application and clinical trial to study L arginine in adult severe asthma.

I recently completed NIH funding to perform a Phase II clinical trial of L-arginine supplementation in severe asthma.

I am also studying the future of breath biomarkers and breath diagnostics with my long-term collaborators and colleagues in the College of Engineering at UC Davis.

To help train the next generation of physician-scientists and clinical fellows, I serve as the Director of the CTSC Pre-doctoral Training Program and incoming Associate Director of our NIH Training Program

Title

Professor of Medicine
Director, NHLBI T32 Training Program in Comparative Lung Biology and Medicine
Associate Director, Clinical Translational Science Center
Director, UC Davis Asthma Network

Specialty

Internal Medicine, Pulmonary and Critical Care, Sleep Medicine

Department

[Internal Medicine](#)

Division

[Pulmonary, Critical Care, and Sleep Medicine](#)

Center/Program Affiliation

[UC Davis Medical Group](#)

Address/Phone

UC Davis Medical Group - Sacramento (J Street), Pulmonary, Critical Care and Sleep Medicine,
2825 J St. Suite 400 Sacramento, CA 95816

Phone: 916-734-8230



Nicholas Kenyon, M.D., M.A.S.

Additional Phone	Clinic Fax: 916-703-7969 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., University of Vermont College of Medicine, Burlington VT 1994 M.A.S., Clinical Research, UC Davis, Davis CA 2006 B.A., English, Biology, Amherst College, Amherst MA 1988
Internships	Internal Medicine, University of Wisconsin, Madison WI 1994-1997
Residency	Internal Medicine, University of Wisconsin, Madison WI 1994-1998
Fellowships	Pulmonary and Critical Care Medicine, UC Davis Medical Center, Sacramento CA 1998-2001
Board Certifications	American Board of Internal Medicine American Board of Internal Medicine, Critical Care Medicine, 2012 American Board of Internal Medicine, Pulmonary Medicine, 2011
Professional Memberships	American College of Chest Physicians American College of Physicians American Physiological Society American Thoracic Society California College of Chest Physicians Society of Critical Care Medicine
Honors and Awards	Chair's Recognition Award, UC Davis Health, Department of Internal Medicine, 2021 Outstanding Teaching Award, Pulmonary and Critical Care Medicine Fellows, 2008, 2020 Association of American Medical Colleges Award for Innovative Institutional Partnerships in Research and Research-Focused Training, 2013 Joan Oettinger Memorial Research Award, 2012 Paper of the Year Award - Society of Toxicology, Inhalation and Respiration Section, 2007
Select Recent Publications	To view Dr. Kenyon's publications, please click here .

McCartney MM, Linderholm AL, Yamaguchi MS, Falcon AK, Harper RW, Thompson GR, Ebeler SE, Kenyon NJ, Davis CE, Schivo M. Predicting influenza and rhinovirus infections in airway cells utilizing volatile emissions. J Infect Dis. 2021 Apr 15;224(10):1742–50. doi:10.1093/infdis/jiab205. Epub ahead of print. PMID:33858010.



Nicholas Kenyon, M.D., M.A.S.

Sharma P, Alizadeh J, Juarez M, Samali A, Halayko AJ, Kenyon NJ, Ghavami S, Zeki AA. Autophagy, Apoptosis, the Unfolded Protein Response, and Lung Function in Idiopathic Pulmonary Fibrosis. *Cells*. 2021 Jun 30;10(7):1642. doi:10.3390/cells10071642. PMID:34209019.

Li JM, Yang DC, Oldham J, Linderholm A, Zhang J, Liu J, Kenyon NJ, Chen CH. Therapeutic targeting of argininosuccinate synthase 1 (ASS1)-deficient pulmonary fibrosis. *Mol Ther*. 2021 Apr 7;29(4):1487-1500. doi:10.1016/j.ymthe.2021.01.028. Epub 2021 Jan 26. PMID:33508432.

Liao SY, Linderholm A, Showalter MR, Chen CH, Fiehn O, Kenyon NJ. L-arginine as a potential GLP-1-mediated immunomodulator of Th17-related cytokines in people with obesity and asthma. *Obes Sci Pract*. 2021 Mar 11;7(3):339-345. doi:10.1002/osp4.500. PMID:34123401.

Cagle L, Linderholm A, Franzi L, Hoehne S, Last J, Kenyon N, Illek B, Harper R. Role of Dual Oxidases in Ventilator-induced Lung Injury. *Am J Respir Cell Mol Biol*. 2021 Feb;64(2):208-215. doi:10.1165/rcmb.2020-0197OC. PMID:33253594.

Israel E, Denlinger LC, Bacharier LB, LaVange LM, Moore WC, Peters MC, Georas SN, Wright RJ, Mauger DT, Noel P, Akuthota P, Bach J, Bleecker ER, Cardet JC, Carr TF, Castro M, Cinelli A, Comhair SAA, Covar RA, Alexander LC, DiMango EA, Erzurum SC, Fahy JV, Fajt ML, Gaston BM, Hoffman EA, Holguin F, Jackson DJ, Jain S, Jarjour NN, Ji Y, Kenyon NJ, Kosorok MR, Kraft M, Krishnan JA, Kumar R, Liu AH, Liu MC, Ly NP, Marquis MA, Martinez FD, Moy JN, O'Neal WK, Ortega VE, Peden DB, Phipatanakul W, Ross K, Smith LJ, Szefler SJ, Teague WG, Tulchinsky AF, Vijayanand P, Wechsler ME, Wenzel SE, White SR, Zeki AA, Ivanova A. PrecISE: Precision Medicine in Severe Asthma: An adaptive platform trial with biomarker ascertainment. *J Allergy Clin Immunol*. 2021 May;147(5):1594-1601. doi:10.1016/j.jaci.2021.01.037. Epub 2021 Mar 2. PMID: 33667479.

Simms LA, Borrás E, Chew BS, Matsui B, McCartney MM, Robinson SK, Kenyon N, Davis CE.



Nicholas Kenyon, M.D., M.A.S.

Environmental sampling of volatile organic compounds during the 2018 Camp Fire in Northern California. J Environ Sci (China). 2021 May;103:135-147. doi:10.1016/j.jes.2020.10.003. Epub 2020 Nov 6. PMID:33743896.

Rajapakse MY , Borrás E , Fung AG , Yeap D , McCartney MM , Fabia FM , Kenyon NJ , Davis CE . An environmental air sampler to evaluate personal exposure to volatile organic compounds. Analyst. 2021 Jan 21;146(2):636-645. doi:10.1039/d0an01521k. Epub 2020 Nov 18. PMID: 33205787.

Liao SY, Showalter MR, Linderholm AL, Franz L, Kivler C, Li Y, Sa MR, Kons ZA, Fiehn O, Qi L, Zeki AA, Kenyon NJ. l-Arginine supplementation in severe asthma. JCI Insight. 2020 Jul 9;5(13): e137777. doi:10.1172/jci.insight.137777. PMID:32497023.

© 2024 UC Regents