

Michael Schivo, M.A.S., M.D.

Clinical Interests Dr. Schivo's clinical interests include airway diseases focusing on COPD and other obstructive lung diseases such as asthma. He is part of the Reversible Obstructive Airway Diseases (ROAD) Center, the UC Asthma Network (UCAN) Clinics, and the Center for Comparative Respiratory Biology and Medicine (CCRBM) at UC Davis. Dr. Schivo also has a general Pulmonology clinic once a week in Rocklin, CA.

Dr. Schivo focuses on analysis of exhaled and emitted volatile organic compounds (VOC) with the aims of non-invasive diagnostics, disease monitoring, and evaluation of therapeutic response. He collaborates highly with biologists, chemists, chemometricians, engineers, and pediatric/adult clinicians to coordinate clinical trials utilizing VOC analysis in disease states. His research spans from in-vitro epithelial models to human subject studies.

Dr. Schivo believes that patients should receive the best care available. This includes thorough and compassionate clinic visits, subspecialist referrals when appropriate, and access to clinical research studies. Through this level of care and attention, Dr. Schivo believes that all patients can benefit.

Title Assistant Professor of Clinical Internal Medicine

Specialty Internal Medicine, Pulmonary and Critical Care

Department [Internal Medicine](#)

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

Clinic UC Davis Medical Group, Rocklin

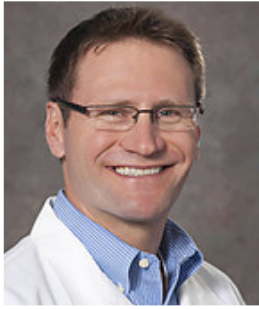
Center/Program Affiliation [UC Davis Medical Group](#)

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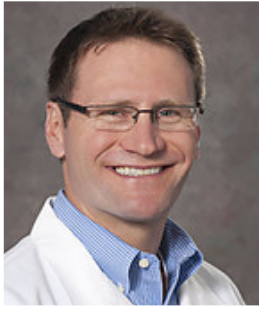
Education M.D., Drexel University College of Medicine, Philadelphia, Pennsylvania, 2003
M.A.S., UC Davis, Davis, California, 2010
B.A., UC Davis, Davis, California, 1998

Internships UC Davis School of Medicine, Sacramento, CA, 2003-04



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- Residency** UC Davis School of Medicine, Sacramento, CA, 2004-06
- Fellowships** UC Davis School of Medicine, Sacramento, CA, 2007-10
- Board Certifications** American Board of Internal Medicine, 2006
American Board of Internal Medicine, Critical Care Medicine, 2011
American Board of Internal Medicine, Pulmonary Disease, 2010
- Professional Memberships** American College of Chest Physicians
American Thoracic Society
California Thoracic Society
Society for Clinical Translational Science
Society for Critical Care Medicine
- Honors and Awards** Internal Medicine Clinical Fellow Trainee's Research Award, 2012
Golden Key, 2010
Internal Medicine People's Choice Award, 2010
- Select Recent Publications** Zeki AA, Schivo M, Chan A, Albertson TE, Louie SY. The asthma-COPD overlap syndrome: a common clinical problem in the elderly. *J Allergy (Cairo)*. 30 Oct 2011. [epub ahead of print]
Kenyon NJ, Morrissey BM, Schivo M, Albertson TE. Occupational asthma. *Clin Rev Allergy Immunol*. May 15, 2011. [epub ahead of print].
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Davis CE, Bogan MJ, Sankaran S, Molina MA, Loyola BR, Zhao W, Benner WH, Schivo M, Farquar GR, Kenyon NJ, Frank M. Volatile and non-volatile analysis of biomarkers in human breath using differential mobility spectrometry. *IEEE Sensors J, special issue "Sensors for Breath Analysis"*. 10 (1): 114-122.
Strand N, Bhushan A, Schivo M, Kenyon NJ, Davis CE. Chemically polymerized polypyrrole for on-chip concentration of volatile breath metabolites. *Sens Actuators B Chem*. 2010;143(2):516-23.
Loyola B, Bhushan A, Schivo M, Kenyon NJ, Davis CE. Temperature changes in exhaled breath condensate collection devices affects observed acetone concentrations. *Journal of Breath Research*. 2008;2: 1-7.
Molina M, Sankaran S, Zhao W, Schivo M, Kenyon NJ, Davis CE. Design-of-experiment optimization of exhaled breath condensate analysis using a miniature differential mobility spectrometer (DMS). *Analytica Chimica Acta*. 3 Nov 2008;628(2):155-61.
Sankaran S, Loyola B, Zhao W, Morgan JT, Molina M, Schivo M, Kenyon NJ, Davis CE.



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Micromachined differential mobility spectrometers for breath analysis. *Sensors*, 2007 IEEE. 2007; 1: 16-19.

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