

Reen Wu, Ph.D.

Clinical Interests	Dr. Wu has used human lung cells and tissues as well as animal models to study the molecular mechanisms of various lung diseases in asthma, chronic obstructive pulmonary disease (COPD), cardiac fibrillation (CF), airway inflammation and infection, smoking, and inhalation toxicology. His focus is on the role of airway epithelial cells in the development of these diseases and the injury/repair response. Dr. Wu also is interested in the cell signaling, innate immunity and regulation of gene expression in airway epithelial cells. Recently, he has developed the application of stem cells for airway regenerative medicine.
Title	Professor
Specialty	Cell Biology and Human Anatomy , Internal Medicine, Pulmonary and Critical Care
Department	Internal Medicine
Division	Pulmonary, Critical Care, and Sleep Medicine
Languages	Chinese (Mandarin)
Education	Ph.D., University of Arkansas School of Medicine, Little Rock, Arkansas, 1972 B.S., National Taiwan University, Taipei, Taiwan, 1965 M.S., National Taiwan University School of Medicine, Taipei, Taiwan, 1968
Fellowships	UC San Diego, San Diego, California, 1974
Professional Memberships	American Association for the Advancement of Sciences American Society for Biochemistry and Molecular Biology American Thoracic Society
Honors and Awards	Pfizer Award for Research Excellence, Veterinary Medicine, UC Davis, 2006 Faculty Research Award, UC Davis School of Medicine, 1996 National Institutes of Health Merit Award, R37 HL35635, 1995 Joan Oettinger Memorial Award, UC Davis School of Medicine, 1993
Select Recent Publications	Chen Y, Hamati E, Lee WM, Wachi S, Schnurr D, Shigeo Y, Dolganov G, Boushey H, and Wu R. Rhinovirus induces airway epithelial gene expression through double-stranded RNA and IFN-dependent pathways. <i>Am J Respir Cell Mol Biol</i> , 34:192-203. Harper RW, Xu C, Eiserich JP, Kao CY, Thai P, Setiadi H, and Wu R. Differential regulation of dual NADPH oxidase/peroxidase, Duox 1 and Duox 2, by Th1 and Th2 cytokines in respiratory tract

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Chen Y, Thai P, Zhao YH, Ho YS, DeSouza MM, and Wu R. Stimulation of airway mucin gene expression by IL-17 through IL-6 paracrine/autocrine loop. J Biol Chem, 278:17036-17043.

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