

Invited Talk : January 28<sup>th</sup>, 2022 : 3:10 - 4:00 PM**Charles Irvin, Ph.D.****Professor of Medicine, Pulmonary Medicine  
Associate Dean for Faculty Affairs  
University of Vermont Burlington  
Director, Vermont Lung Center****Scientific Misconduct: Crime & Punishment.**

Charles G. Irvin, PhD, FERS is a Professor of Medicine, Professor of Physiology and Biophysics, Associate Chairman for Research Department of Medicine and Director of the Vermont Lung Center (VCL) at the University of Vermont. Dr. Irvin's research is focused on understanding the mechanisms of airways dysfunction in patients with asthma. Using a multidisciplinary approach including: cell and molecular biology, animal models and systems, transgenics, physiology, imaging and clinical studies, he and his colleagues seek to understand the pathophysiological basis of asthma in order to both better diagnose and treat patients with chronic airways disease. He has published over 200 peer-reviewed publications and published an additional 125 chapters, reviews and editorials on these topics. Dr. Irvin has been the site PI of the Vermont American Lung Association Airways Clinical Research Center (ACRC) from its inception and is the author or co-author of 37 ACRC publications. Since 2016, Dr. Irvin oversees ethics related issues for the NIGMS IPERT award team at UVM led by Dr. Mercedes Rincon. Dr. Irvin is a pioneer within the IDeA Program. He was one of the first recipients of the COBRE (Center of Biomedical Research Excellence) grant in 2000. One of Dr. Irvin's most significant contributions to the IDeA community has been his efforts to grow the National IDeA Symposium of Biomedical Research – a showcase for the breadth and impact of human biomedical and behavioral research that is done through grants awarded by the IDeA program. In February of 2020, Dr. Irvin received the inaugural W. Fred Taylor PhD Award in recognition of his significant contributions to enhance the impact of the National Institutes of Health (NIH) Institutional Development Award (IDeA) Program.