

Faculty Bio

Reynold A. Panettieri, Jr., MD

Professor of Medicine

Robert Wood Johnson Medical School

Vice Chancellor, Clinical & Translational Science

Director, Rutgers Institute for Translational Medicine & Science

Child Health Institute of New Jersey

Rutgers, The State University of New Jersey

New Brunswick, New Jersey

Reynold A. Panettieri, Jr, MD, is the Director of the Institute for Translational Medicine and Science and Vice Chancellor for Translational Medicine and Science at Rutgers University, and the former Director of the Airways Biology Initiative at the University of Pennsylvania. His interests are in the cellular and molecular mechanisms that regulate airway smooth muscle cell growth and the immunobiology of airway smooth muscle. Consequences of increases in airway smooth muscle growth promote the development of irreversible airflow obstruction and airway remodeling seen in patients with chronic severe asthma. Dr. Panettieri's lab also focuses on cytosolic signaling pathways that mediate gene expression and alter myocyte function.

Dr. Panettieri also served as the Deputy Director of the Center of Excellence in Environmental Toxicology. He directed the human exposure chamber that defines the molecular mechanisms regulating ozone- and particulate matter-induced airway hyperresponsiveness. In parallel with his basic science interests, Dr. Panettieri managed the comprehensive clinical program for the care of patients with asthma and is actively involved in clinical investigations focused on the management of asthma and chronic obstructive pulmonary disease (COPD).

In addition to his research and clinical interests, Dr. Panettieri served as chairperson of the National Institutes of Health (NIH) Lung Cellular, Molecular, and Immunobiology Study Section, is a member of the NIH Distinguished Editorial Panel, and is a member of both the American Society for Clinical Investigation and Association of American Physicians.