



Raymond N. DuBois, MD, PhD
SU2C Scientific Advisory Committee



Raymond N. DuBois, MD, PhD

Dean, College of Medicine
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Vice Chair, Stand Up To Cancer Scientific Advisory Committee
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Raymond N. DuBois, MD, PhD, is an internationally renowned expert for his studies on the molecular and genetic basis for colorectal cancer. His laboratory examines the molecular mechanisms by which inflammation and inflammatory mediators affect tumor development and serve as targets for cancer prevention.

DuBois was named Dean of the College of Medicine at the Medical University of South Carolina (MUSC) in March 2016. Prior to his role as Dean, DuBois served as the Executive Director of the Biodesign Institute at Arizona State University with a joint appointment as Professor of Medicine in the Mayo College of Medicine. Before that (2007-2012) he served as the Provost and Executive Vice President at The University of Texas MD Anderson Cancer Center in Houston. Previously he directed Vanderbilt's Division of Gastroenterology, Hepatology and Nutrition, and served as Director of the Vanderbilt-Ingram Cancer Center.

DuBois is an internationally renowned cancer researcher and leader in the cancer community. He is known for elucidating a key role of prostaglandins (PGs) and other inflammatory mediators in colorectal cancer, which facilitated clinical trials targeting this pathway in humans for cancer prevention. His work also confirmed the existence of a novel tumor suppressor gene in the PG pathway (15-PGDH) in colon cancer which is responsible for inactivation of PGE2. His research revealed that prostaglandins in the tumor microenvironment increase immune tolerance and resistance to therapy.

DuBois a Fellow of the American Association for the Advancement of Science and the American Association for Cancer Research (AACR) Academy, Past President of the AACR, the Southern Society for Clinical Investigation, and the International Society for Gastrointestinal Cancer. He was also inducted as a member of the American Clinical and Climatological Association, the Royal College of Physicians in London, the Association of American Physicians and the American Society for Clinical Investigation. He also currently serves on the AACR Academy leadership council.

During his career as a physician-scientist, DuBois has published over 150 peer reviewed research articles, more than 60 review articles, 25 book chapters, and three books. His work has been cited over 55,000 times as of 2018 according to Google Scholar. He is a co-inventor of a method to identify and prevent cellular genes needed for viral growth and cellular genes that function as tumor suppressors in mammals. His research has been continuously funded from the NIH and other agencies/foundations for the past 25 years.

DuBois earned a bachelor's degree from Texas A&M University and a doctoral degree from The University of Texas Southwestern Medical Center in Dallas. He obtained a medical degree from The University of Texas School of Medicine in San Antonio, followed by an Osler Medicine internship and residency, and a gastroenterology fellowship at the Johns Hopkins Hospital in Baltimore.