



Florida Health Grand Rounds

Presenter Bio

Weathering a Pandemic: COVID-19 and Research Activities at Mayo Clinic

November 8, 2020 10:00 AM – 11:00 AM

Presented by: Tushar Patel MB ChB, DeLisa Fairweather, PhD,
& Rickey Carter, PhD



Tushar Patel, MB, ChB

Dean for Research - Mayo Clinic Florida

Tushar Patel, M.B.,Ch.B., is a consultant in the Department of Transplantation, with joint appointments in the Department of Cancer Biology and the Department of Physiology and Biomedical Engineering. He holds the named position of the James C. and Sarah K. Kennedy Dean of Research. As dean for research, Dr. Patel oversees all research activities at the Mayo Clinic campus in Florida. He also serves as the enterprise dean for Research Shared Services at Mayo Clinic, and as Director of the Office of Disruptive Research Innovation He holds the academic rank of professor of medicine and professor of cancer biology, Mayo Clinic College of Medicine and Science. Dr. Patel is recognized with the distinction of the Alfred D. and Audrey M. Petersen Professorship in Cancer Research at Mayo Clinic Jacksonville. Dr. Patel earned his medical degree at the University of Glasgow in Scotland. He subsequently trained at Mayo Clinic School of Graduate Medical Education where he completed a residency in internal medicine, a fellowship in gastroenterology, and specialized training as a clinician-investigator in the Mayo Clinic Clinician-Investigator Program. Dr. Patel's clinical expertise is in transplant hepatology and hepatobiliary cancers. His laboratory-based research program incorporates basic discovery studies aimed at

understanding the molecular mechanisms of cancer formation in the liver and bile ducts, with translational studies that seek to identify novel biomarkers for these cancers and to improve therapeutic responses. He has been a pioneer in the emerging discipline of RNA nanotechnology with research studies focused on the study of cellular nanovesicles and noncoding RNA. His work has been supported by the National Institutes of Health Common Fund through the Office of the NIH Director; National Center for Advancing Translational Sciences; National Institute of Diabetes and Digestive and Kidney Diseases; National Cancer Institute; and the National Science Foundation. Dr. Patel has been invited to present on his work internationally, and he has published more than 200 peer-reviewed articles that have been cited more than 20,000 times. He currently serves as an associate editor for *Hepatology* and *Gene Expression* and has served as a Chair or peer reviewer for the National Institutes of Health and also for funding agencies in several other countries. In addition, Dr. Patel is active in the larger research community, serving currently on the State of Florida Biomedical Research Advisory Committee and previously on the Board of the Florida Research Consortium as well as on committees in several professional societies. These include the American Gastroenterological Association and the American Association for Study of Liver Diseases, and he is a fellow in both societies.



DeLisa Fairweather, PhD
Associate Professor of Medicine

DeLisa Fairweather, PhD, is an Associate Professor of Medicine, Immunology and Clinical Translational Science at Mayo Clinic in Jacksonville, Florida and Director of Translational Research in the DeLisa Fairweather, PhD, is an Associate Professor

of Medicine, Immunology and Clinical Translational Science at Mayo Clinic in Jacksonville, Florida and Director of Translational Research in the Department of Cardiovascular Medicine. Dr. Fairweather's research focuses on sex/gender differences in disease as a tool to discover new therapies for cardiovascular and autoimmune diseases including myocarditis which she has been studying for 25 years receiving grants from the National Institutes of Health (NIH) and the American Heart Association (AHA). She is an active member of the Organization for the Study of Sex Differences and is one of the co-founders of the Ehlers Danlos Syndrome Clinic at Mayo Florida and a leader on the Mayo-led US Expanded Access Program for the use of convalescent plasma for patients with COVID-19. Department of Cardiovascular Medicine. Dr. Fairweather's research focuses on sex/gender differences in disease as a tool to discover new therapies for cardiovascular and autoimmune diseases including myocarditis which she has been studying for 25 years receiving grants from the national Institutes of Health (NIH) and the American Heart Association (AHA). She is an active member of the Organization for the Study of Sex Differences and is one of the co-founders of the Ehlers Danlos Syndrome Clinic at Mayo Florida and a leader on the Mayo-led US Expanded Access Program for the use of convalescent plasma for patients with COVID-19.



Rickey Carter, PhD
Professor of Biostatistics

Rickey Carter, PhD is a Professor of Biostatistics at Mayo Clinic in Florida. He received his training in biostatistics at the Medical University of South Carolina, and he brings nearly 20 years of experience with study design

and analysis for clinical and translational research. Over the past three years, Dr. Carter has built a program to support artificial intelligence research on Mayo Clinic's Florida campus. Administratively, he serves as a Vice Chair for the Department of the Health Sciences Research and as the Scientific Director for the Digital Innovation Lab, a machine learning shared resource on Mayo's Florida campus.

Dr. Carter has authored 275 peer-reviewed articles and numerous national and international presentations. He is the statistical editor for the European Heart Journal, a member of the American Statistical Association and the Past President for the Association for Clinical and Translational Statisticians.