



Rutgers University

Distinguished Professor of Chemical Engineering

Fernando Muzzio is a Distinguished Professor of Chemical Engineering at Rutgers University. For the last 27 years, pharmaceutical product and process design has been Professor Muzzio's main research and educational focus. His research interests comprise continuous manufacturing, pharmaceutical formulation, powder mixing, powder flow, segregation, compression, mixing and flow of liquids and suspensions, capsule filling, tablet dissolution, and tablet coating. He is a frequent lecturer at FDA events, and in 2012-2015 he was a voting member of the FDA committee on Pharmaceutical Sciences and Clinical Pharmacology. He is the principal investigator of a \$4M FDA grant on continuous manufacturing, and the director of the Janssen/Rutgers alliance on Advanced Manufacturing.

Fernando Muzzio is also the director of the National Science Foundation Engineering Research Center on Structured Organic Particulate Systems. The center focuses on pharmaceutical product and process design, with special emphasis on continuous manufacturing, particle engineering, and personalized medicine. FDA and 50 companies are currently members of the center. Dr. Muzzio also serves as the Academic Leader of the Rutgers/Janssen partnership in Advanced Pharmaceutical Manufacturing, which since 2012 has supported over \$10 million in Continuous Manufacturing research, and developed the Inspire Direct Compression Line where the Continuous Direct Compression process for Prezista, the first conversion from batch to continuous manufacturing approved by the FDA, was developed.

Professor Muzzio is also the co-founder of Acumen Biopharma, a specialty consulting firm focused on pharmaceutical IP litigation, and the president of Integra Continuous Manufacturing Systems, a supplier of comprehensive consulting services in continuous manufacturing. In 2017, Professor Muzzio received the "Inventor of the Year" Award from the NJ Inventors Hall of Fame for his contributions to Continuous Manufacturing