

Jackson Burton, PhD

Dr. Burton received his B.S. and M.S. in mathematics at Montclair State University and his PhD in applied mathematics from the University of Arizona under the advisement of Timothy Secomb. His graduate study research focused on quantitative modeling of biological/population-based systems, including infectious disease dynamics, structural pathology of malaria-infected red blood cells, and drug transport in solid tumors. Dr. Burton worked with Takeda Pharmaceuticals in general modeling and statistical analysis for a variety of mission-driven open questions in oncology pharmacokinetics and decision science. He joined Fractal Therapeutics where he served as a modeling and simulation project lead for teams locally and remotely on infectious disease rapid diagnostic projects. Dr. Burton joined the Critical Path Institute in 2017 and is part of the C-Path quantitative medicine team supporting several consortia.