IBM *Corporate*

LECTURE SERIES

Christina Mack '02, Ph.D., MSPH, FISPE
Chief Scientific Officer of Real World Solutions at IQVIA

PUBLIC HEALTH AS A TEAM SPORT: THE IMPACT OF SCIENCE AND TECHNOLOGY

3:45 pm Friday, March 3
101 Jordan Hall of Science

Reception at 3:15 pm in the Jordan Hall Galleria

Global public health is more important and exciting now than ever. Mountains of data are generated daily, and we now have the methods to glean real-time insights from these data, enriching population and patient health across the globe. Learn how data scientists, epidemiologists, medical experts and engineers can solve problems together using examples within elite sports, from the NFL and NBA to the Tokyo Olympics, as well as within drug development and FDA regulations, using innovative and groundbreaking approaches to teamwork.

Mack's responsibilities at IQVIA include leading the Surveillance and Agile Analytics team, which partners with global health organizations, biopharmaceutical companies, and elite sports to prevent disease, reduce injuries and improve population health and safety. Dubbed a "SWAT Epidemiologist" by the Washington Post and Top 20 Influencer of the 2020 NFL season by NBC Sports, Mack has applied her formal training in Computer Science Engineering and Epidemiology to practical application of data science to public health problems over the course of her career. Mack holds an adjunct associate professor position at the University of North Carolina Gillings School of Global Public Health and serves as a board member for a variety of organizations. She is an advisor for numerous academic and private organizations on topics that include research methods, product effectiveness, data science, global health and disease prevention.

UNIVERSITY OF NOTRE DAME | DEPARTMENT OF APPLIED AND COMPUTATIONAL MATHEMATICS AND STATISTICS