



Knowledge is nothing if not shared

Mathematics & Statistics at MSD

Matthew Wiener, leader of Analytics & Data Sciences group at MSD IT Global Innovation Center in Prague, will give a talk and offer **positions** and summer **internships**

April 29 (Tuesday) **15:40**, lecture hall **K1**

The pharmaceutical industry faces rapidly changing circumstances. Patients, prescribers and payers demand significant improvements over the standard of care – producing a therapy with a different mechanism of action from drugs on the market is not sufficient. Put another way, the public and health authorities want a better risk/benefit profile, and they want it at lower cost. Finally, the amount and complexity of data (both data generated by pharmaceutical companies in clinical trials and “real-world” data from doctors and insurers) continues to increase, raising hopes (and expectations) for “personalized medicine”, where treatment will be tailored to each patient. This talk will present examples of how MSD uses data analysis, statistics, and mathematical modeling to improve how we discover, manufacture, and distribute therapies to prevent and cure disease.



Matthew Wiener



MSD is an innovative, global healthcare leader committed to improving health and well-being in 140 countries around the world. Our product categories include heart and respiratory health, diabetes, infectious diseases, consumer products and women's health. We continue to focus our research on conditions that affect millions of people around the world - diseases like Alzheimer's, Diabetes and Cancer - while further expanding our strengths in areas such as vaccines and biologics. We aspire to be the best healthcare company in the world and are dedicated to providing innovative solutions for tomorrow.

MSD is known as Merck in the United States and Canada.