Abstract

Mission

This project studies the metabolic effects of eight drugs (among which are paracetamol and diclofenac) with known side effects in the liver. By looking into the mechanics on a level ranging from the molecule to the patient, the researchers in this project aim to find biomarkers and develop tools for the early prediction of side effects of drugs. One of the breakthroughs in the project is the discovery that a person’s genetic profile appears to be one of the mechanics that have an influence on the resistance to adverse drug reactions. The ability to identify adverse effects in an early stage will prevent much discomfort in patients and economic loss.

Impact/Accomplishment

This project resulted in five Ph.D. theses: