Mathematical models target disease with drugs chosen by your DNA

Medicines that are personally tailored to your DNA are becoming a reality, thanks to the work of U.S. and Chinese scientists who developed statistical models to predict which drug is best for a specific individual with a specific disease.

"Traditional medicine doesn't consider mechanistic drug response," said Rongling Wu, director of the Center for Statistical Genetics and professor of public health sciences within the division of biostatistics and bioinformatics at the Penn State College of Medicine. "We want to look at how an individual person responds to an individual drug by deriving and using sophisticated mathematical models, such as differential equations."

Read the full article here: [Mathematical models target disease with drugs chosen by your DNA](#)