

On December 5, 2013, PED Seminar Series Presents

Mathematical models of targeted cancer therapy

by [Dominik Wodarz](#)

Dr. Wodarz's talk will discuss how mathematical models can be useful to investigate the mechanisms underlying targeted treatment approaches against cancer, using tyrosine kinase inhibitors. Particular emphasis will be placed on new treatment approaches in the fight against Chronic Lymphocytic Leukemia (CLL). Mathematical models can be used to study the tumor cell dynamics during treatment and to estimate the underlying parameters. This in turn can provide insights into which parameters are affected by the drug, and how to increase treatment efficacy.