LEARN
How to Simulate and Analyze your Cancer Models with COPASI
COPASI is a simulation software that allows one to translate the biochemical interactions between species into dynamical systems represented by sets of either stochastic or deterministic equations.

BOOT CAMP
09/29/14 - 10/01/14

DAY 1
Steady State Analysis
A steady state happens when all the influxes and effluxes of the pools and variables in a system are in balance, i.e. none of the variables change in number, amount, or concentration.

DAY 2
Optimization
Design problems are common in biotechnology where one normally seeks to maximize a flux, a yield, or the concentration of an interesting product.

DAY 3
Parameter Estimation
To compare model results with the experimental data, one first has to simulate the mathematical model, which we label the forward problem.

To apply, please visit www.mbi.osu.edu

BRING YOUR FAVORITE MATHEMATICAL MODEL WITH YOU

Organizers
Kathy O’Hara  Stefan Hoops  Pedro Mendes

COPASI website: www.copasi.org
Useful COPASI reference papers: www.copasi.org/tiki-index.php?page=publications

The Ohio State University | Jennings Hall 3rd Floor, 1735 Neil Ave. | Columbus, OH 43210 | 614-292-3648