

---

# Computational Systems Biology and Dose Response Modeling Workshop @ The Hamner

Contributed by Martin Spendiff  
Wednesday, 01 July 2009  
Last Updated Wednesday, 01 July 2009

The Hamner Institutes for Health Sciences is offering a Computational Systems Biology and Dose Response Modeling Workshop on September 14 - September 18, 2009. The description of the workshop can be located at The Hamner Website.

In this course you will learn:

- Current computational modeling techniques for the quantitative investigation of how biological systems respond to perturbations at the cellular level.
- Common themes in signal transduction and gene regulatory networks that underlie systems-level cellular behaviors including homeostasis, adaptation, threshold response, binary cell fate decisions, and irreversible differentiation.
- To use these techniques to develop computational models for understanding and predicting dose response behaviors of drugs and environmental agents.

For information on our previous offering of the workshop, please visit: [this link](#).

If you have any questions about the course, please contact Dr. Qiang Zhang at [qzhang@thehamner.org](mailto:qzhang@thehamner.org).