

### Typical Curriculum<sup>1</sup> for Pharmacology and Systems Biology (PSB)

First Year (Fall)	First Year (Spring)	Second Year
Core I: Systems Biomedicine: Molecules, Cells and Networks (G301)	Core II: Systems Pharmacology (G302)	At least 8 credits from advanced courses and Customized Mini-Courses (CMCs) <sup>2</sup>
Laboratory Rotation (G310)	Laboratory Rotation (G311)	
	Introduction to Journal Club II (G316)	
Responsible Conduct of Research (G312)	Advanced Cell Signaling Systems (G610)	PSB Journal Club (G450)
Biostatistics (G320)	Mathematics for Biologists (G391)	PSB Seminar
	Methods in Biomedical Sciences (G395)	
Dean's Seminar (G591)	Dean's Seminar (G592)	Independent Research

<sup>1</sup> The Advisory Committee may recommend additional courses, based on the student's needs and area of interest.

<sup>2</sup> These will be chosen in consultation with the student's Advisory Committee and/or the Training Area Directors.

**CMCs (Customized Mini-Courses) in Pharmacology, Physiology and Systems Biology:** the following CMC's will be offered in 2008-2009. Students with other specific interests should consult the PSB Co-Directors at registration times to inquire about the possible availability of additional CMC's.

#### FALL

Genomics of Bone Functions (Jepsen)

Synaptic Plasticity and Memory (Blitzer)

Cell Signaling Networks and Systems Pharmacology (Iyengar)

Bioinformatics (Ma'ayan)

#### SPRING

Network Building and Analysis (Ma'ayan)

Approaches to Model Reduction (Sirovich)

Bacteria Physiology, Pathogenesis and Antimicrobials (Krulwich)

Clinical Correlates and Translational Biomedicine (He)