



The Department of Pharmacology

Proudly Presents the Seminar Series:

Frontiers in Pharmacology

***“Quantitative Cardiovascular Systems Pharmacology:
combining simulations and experiments
to understand toxicity and efficacy of drugs”***

I will discuss recent efforts in my lab to gain insight into both therapeutic and detrimental effects of drugs in the heart. We obtain these new insights through Systems Pharmacology, an emerging discipline that combines simulations with mechanistic mathematical models and statistical analyses of large data sets. I will discuss how we have used these approaches to understand differences between individuals in the response to drugs that cause arrhythmias, to develop novel methods to distinguish between safe drugs and harmful drugs, and how we experimentally test mathematical modeling predictions to understand variability between samples.

Eric Sobie, Ph.D
Associate Professor,
Icahn School of Medicine at Mount Sinai,
New York, NY

Tuesday, May 17, 2016

4:00 pm

GBSF Auditorium
(Rm. # 1005)

Light refreshments will be served.

Host : Eleonora Grandi
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