

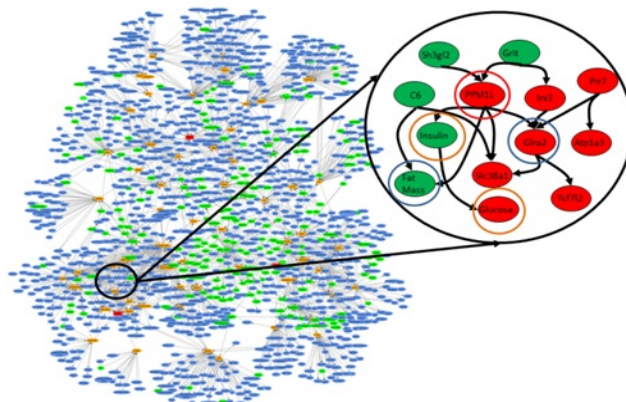
# STORER LIFE SCIENCES ENDOWMENT

*PRESENTS*

## MAJOR ISSUES IN MODERN BIOLOGY

### Eric Schadt

Jean C. and James W. Crystal Professor & Chair  
Department of Genetics and Genomic Sciences,  
Mount Sinai Hospital, New York



#### Seminar Title:

#### ***Leveraging the Digital Universe of Data to Construct Predictive Models of Disease***

Dr. Eric Schadt, an internationally recognized visionary in the use of computational biology in genomic analysis, also is Director of the Ichan Institute for Genomics and Multi-scale Biology at the Mount Sinai School of Medicine. His focus is on generating and integrating large-scale, high-dimension molecular, cellular, and clinical data to build more predictive disease models that will improve the ability to diagnose and treat diseases. His current efforts are motivated by the genomics and systems biology research he led as Executive Scientific Director of Genetics at Rosetta Inpharmatics, a subsidiary of Merck & Co. When Dr. Schadt left Merck in 2009, more than 50% of all the company's new drug discovery programs in the metabolic space were derived from his work. Subsequently, Dr. Schadt served as Chief Scientific Officer (CSO) of Pacific Biosciences, overseeing the firm's scientific strategy, including creating the vision for next-generation sequencing applications of the company's technology. In 2012, he was involved in more than ten research collaborations that resulted in more than 35 high-impact scientific publications in that year. Dr. Schadt also was recently appointed as Fellow to the Institute of Systems and Synthetic Biology, Imperial College London. Dr. Schadt received a Ph.D. in bio-mathematics from the University of California, Los Angeles; an M.A. in pure mathematics from the University of California, Davis and a B.S. in applied mathematics/computer science from California Polytechnic. In 2012, Dr. Schadt's documentary film, "The New Biology", received the Master Series Award from the prestigious CINE Institute.

**Tuesday, June 4, 2013**

**4:10 P.M.**

**AGR Room Buehler Alumni Center**

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Please contact Professor Raymond Rodriguez [rlrodriguez@ucdavis.edu](mailto:rlrodriguez@ucdavis.edu) to arrange to meet with the speaker.