

## SEMINAR ANNOUNCEMENT

# A Systems Approach to Regenerative Medicine & Tissue Engineering

Dr. Mohammad Heidarani  
Adjunct Associate Professor Mount Sinai School of Medicine

Regenerative medicine is creating a multidisciplinary, technology-rich environment in which the discovery of biotherapeutic treatments is flourishing. At the heart of this approach is a huge unmet need for a better understanding of complex biological events to use as a blueprint for the development of sophisticated three-dimensional environments that best mimic the in vivo environment. Born out of this need, and in the context of post genomic challenges, a new field is evolving coined by some as Systems

Biology. This new discipline promises an innovative approach to biology performed in a scale which has not done before. It should also allow researchers to link a complex array of multivariable intrinsic and extrinsic factors to cell phenotype and function. To accelerate the discovery of new therapeutics in Regenerative Medicine, in the past few years, I have been involved in the development of a unique higher throughput multidisciplinary platform that includes the latest state-of-the-art technologies in biomaterial science, tissue engineering, stem cell biology and bioinformatics.

Monday, October 18, 2004

2:00 p.m.

224/A312

For further details see Eric J. Amis