

Department of Molecular and Cellular Biology  
**DISTINGUISHED SPEAKER SEMINAR SERIES**

## Dr. Ross Cagan

Professor, Dept. of Developmental and Regenerative Biology  
Associate Dean, Graduate School of Biological Sciences  
Mount Sinai School of Medicine



### “A Fly Approach to Cancer and Diabetes Therapeutics”

**Wednesday, February 1, 2012**  
**at 12:30 p.m. in ANNU 156**

Cancer and diabetes therapeutics that show long-term efficacy and low toxicity have proven difficult to develop. These difficulties reflect a myriad of obstacles including the complex genetics and tissue interactions that drive tumorigenesis and metabolic dysfunction. Our attempts to reduce this complexity have yielded mixed results. I will discuss my laboratory's efforts to address some of these issues using *Drosophila*, a useful tool which has been used successfully to address similar issues in development. Our focus has been on mechanism but especially drug discovery. We are developing complex multigenic models and whole animal drug screening that, when combined with polypharmacology-based chemistry, yields interesting new candidate therapeutics.

Host: Dr. Nina Jones

Coffee, Tea & Timbits

**EVERYONE IS WELCOME TO ATTEND!**

*“A great opportunity to hear leading researchers in the scientific community discuss their work”*