



UNIVERSITY of ROCHESTER

*D-CFAR*

Developmental Center for AIDS Research



## SEMINAR SERIES

# New Strategies for Ultrasensitive HIV Detection and RNA-targeted Therapeutics

Presented by

**Benjamin L. Miller, Ph.D.**

Associate Professor, Departments of Dermatology,  
Biochemistry & Biophysics, and Biomedical Engineering

Successfully combating a complex pathogen like HIV requires advances in several lines of scientific inquiry. This lecture will cover two primary lines of research ongoing in our laboratory, and their application to HIV diagnosis and therapy. First, we will discuss opportunities for intervention in the life cycle of HIV through RNA-targeted therapeutic agents, and our efforts specifically to develop compounds able to interfere with ribosomal frameshifting. Second, we will provide a progress report on research focused on the development of ultrahigh-sensitivity (single virus particle) HIV biosensors.

Tuesday, April 21, 2009

1:00 – 2:00 pm

KMRB G-9654

**Pizza and drinks will be offered.**