



The Singapore Bioimaging Consortium (SBIC)  
presents a seminar

on

**"Grb10: A Potential Therapeutic Drug Target for beta-cell  
Dysfunction"**

**Speaker: Dr Feng Liu**  
**Professor**  
**Department of Pharmacology, University of Texas**  
**Date : Tuesday, 13 December 2011**  
**Time : 12.15pm – 1.15pm**  
**Venue : SBIC Seminar Room, 11 Biopolis Way**  
**Level 2, Helios Building**  
**Singapore 138667**  
**(Please use Level 1 entrance)**

**Abstract**

Obesity-induced insulin resistance is associated with type 2 diabetes and various cardiovascular disorders, yet the underlying mechanisms remain elusive. In this presentation, he will briefly summarize our recent study on the regulation of adiponectin multimerization and function. He will also review his work on the functional roles of the adaptor protein Grb10 in the regulation of insulin and mTOR signaling and beta cell function. Comprehensive analysis of key regulators of metabolic important signaling pathways should shed light on developing novel therapeutic treatments for various metabolic diseases such as insulin resistance, type 2 diabetes, and cardiovascular diseases.

**About the Speaker**

Dr Feng Liu is a Professor in the Department of Pharmacology, University of Texas health Science Center in San Antonio. He has recently been recruited by the Chinese "One-thousand Talents Program" to become the Director of The Metabolic Syndrome Research Center and the Director of Aging Research Institute, South Central University, China. Dr Liu received his BS degree at Wuhan University, China and his PhD degree in the Department of Biochemistry & Biophysics, Iowa State University, USA. Dr Liu did his postdoc training at Stanford University. Dr Liu is a recipient of the Career Development Award from the American Diabetes Association and the Lyndon Baines Johnson Research Award from the American Heart Association, Texas Affiliate. Dr Liu is currently a member of the NIH Cellular Aspect of Diabetes and Obesity

Study Section (CADO) and the first President of the Chinese American Diabetes Association (CADA). The major research focuses in Dr Liu's laboratory are obesity, insulin resistance, type 2 diabetes and aging.

***--- Admission is free and all are welcome ---***