The Singapore Bioimaging Consortium (SBIC)
presents a seminar

on

"Screening and Characterization of "browning" small molecules for the treatment of Metabolic Disorders"

Speaker: **Dr Wu Donghai**
Principal Investigator
Guangzhou Institute of Biomedicine and Health
Chinese Academy of Sciences, China

Date : **Monday, 14 July 2014**
Time : **4.00pm – 5.00pm**
Venue : **SBIC Seminar Room**
11 Biopolis Way
Level 2, Helios Building, Singapore 138667
(Please use Level 1 entrance)

Abstract

Recently, it is found that humans and the well studied rodent model organisms such as mouse and rat have two types of adipose tissues: White Adipose Tissue (WAT) and Brown Adipose Tissue (BAT) that are distinct and exhibit opposite functions in whole-body energy homeostasis. While white adipocytes function as energy storage depots, brown adipocytes are specialized in dissipating energy in the form of heat through uncoupled respiration. Brown Adipose Tissue (BAT) is attracting attention due to its promising potential to combat obesity and associated metabolic diseases. Using Ucp1 driven luciferase reporter screening system, several interesting small molecular leads have been identified. Characterization of some of these molecules as well as recent progress of the field will be presented.

About the Speaker

Dr Wu Donghai graduated from Beijing Normal University with a BS degree in 1984 and obtained his PhD degree from UT Southwestern Center at Dallas in 1990. He was a faculty member in the College of Pharmacy, University of Florida before joined Guangzhou Institute of Biomedicine and Health, Chinese Academy of Sciences in 2004 as a Principal Investigator and his major research interests include the molecular mechanism controlling adipocyte development and differentiation; screening and development of novel medicinal compounds for the treatment of metabolic diseases; development of knockin and knockout animal models to identify and validate potential drug targets important for metabolic diseases etc.

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