The Singapore Bioimaging Consortium (SBIC)
presents a seminar

on

"Maternal Control of Milk Metabolism and Neonatal Inflammation"

Speaker: **Dr Wan Yihong**
Associate Professor
Department of Pharmacology, UT Southwestern Medical Center
Host : **Dr Shigeki Sugii**
Date : **Wednesday, 11 November 2015**
Time : **3.00pm – 4.00pm**
Venue : **SBIC Seminar Room**
11 Biopolis Way
Level 2, Helios Building, Singapore 138667
(Please enter via Level 1)

Abstract

Throughout history, mother's milk is regarded as the perfect food. Rich, nutritious and protective, it is the drink of choice for all newborn mammals from mice to men. However, our recent findings have brought an unexpected twist that maternal genetic or dietary defects can cause defective milk and consequently neonatal inflammation. These include maternal PPARγ deficiency, VLDLR deletion, adiponectin dysregulation, and high-fat-diet consumption. Our studies uncover hidden maternal factors that are essential in milk metabolism and immunity, suggesting milk disorders as key etiology and new therapeutic targets for infantile diseases.

About the Speaker

Dr Wan Yihong is currently an Associate Professor in the Department of Pharmacology at UT Southwestern Medical Center. She obtained her PhD degree in Molecular Biology, Biophysics and Genetics at the University of Colorado Health Science Center, Denver. She then conducted postdoctoral research with Dr Ron Evans at the Salk Institute, La Jolla, California. Her research focuses on the regulation of development, metabolism and cancer using bone and mammary gland as model systems, with the goal of a better prevention and treatment of osteoporosis, cancer metastasis and inflammatory disorders. Dr Wan is a recipient of several prestigious awards including the Virginia Murchison Linthicum Scholar Award in Medical Research, the Becton Dickinson Biosciences Research Award, the John Haddad Young Investigator Award from the American Society for Bone and Mineral Research, the Basil O'Connor Scholar Award from March of Dimes Foundation, and the Eugenia Resemberg Award from the Endocrine Society.

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