



## The Department of Nutritional Sciences Spring 2018 Seminar Series

Guest Speaker:

**Xiaoyang Su, PhD**

Assistant Professor of Medicine

Endocrinology

Director of the Metabolomics Core Facility

Robert Wood Johnson Medical School

Rutgers, The State University of New Jersey

**“Quantitative metabolic flux analysis with stable isotope tracer and mass spectrometry”**

Host: Malcolm Watford, D.Phil.

The Department of Nutritional Sciences, Rutgers University

**Wednesday, February 7, 2018, 2:30 PM  
Food Science and Nutritional Sciences Building,  
65 Dudley Road, Conference Room 120**

Modern mass spectrometry has enabled great precision in metabolite measurement, i.e. metabolomics. However, the levels of metabolite may not fully represent the rate of biochemical reactions. Quantitative study of metabolic network calls for isotope tracers. We will discuss how stable isotope tracers help us to resolve complex metabolic network such as TCA cycle and pentose phosphate pathway.