

# Center on Diabetes, Obesity and Metabolism Seminar Series Presents:

## Role of Gut Microbiome Modulators to Regulate Energy Homeostasis

### **Hariom Yadav, PhD**

#### **Research Fellow Scientist**

#### **Diabetes, Endocrinology and Obesity Branch, NIDDK National Institutes of Health**

Dr. Yadav has been instrumental in conducting pioneer studies concluding that the blockade of TGF- $\beta$ /Smad3 signaling converts white to brown adipose tissue and protects against obesity and diabetes (*Cell Metabolism*, 2011). Dr. Yadav's passion in gut microbiome research led him to answer key questions in the field and to establish mechanisms of action of probiotics (VSL#3) via gut microbiome derived metabolites, i.e. butyrate and gut hormone modulation (*JBC*, 2013). His current focus is to investigate the contribution of gut microbiome, its metabolites and cell signaling mechanisms to communicate via neuronal circuits, and regulate food intake and energy homeostasis to combat obesity and diabetes.



**Monday, April 18, 2016**

**4:00 – 5:00 p.m.**

**Comprehensive Cancer Center, 10<sup>th</sup> floor, Room 10B**