

Special Issue on
Obesity Associated Insulin Resistance

CALL FOR PAPERS

The twin pandemics of obesity and diabetes are recognized as being among the biggest global health challenges in the world today. Diabetes itself affects approximately 230 million people worldwide and the cost of treating them was estimated at around 286 billion international dollars. Despite this massive clinical need, therapeutic solutions remain limited. Insulin resistance is recognized as a precursor of the diabetic state detectable in many individuals with obesity and is thus considered a critical point of therapeutic intervention. A greater understanding of the pathophysiology of obesity-associated insulin resistance is therefore urgently required to aid the development of novel therapies to halt the spread of this disease.

We invite investigators to contribute original research articles as well as review articles to stimulate further efforts in unravelling the pathophysiology of obesity associated insulin resistance. We are particularly interested in studies offering therapeutic potential around the modalities of weight loss, inflammation, lipotoxicity, the intestinal microbiota, and preservation of cell function.

Potential topics include but are not limited to the following:

- ▶ Role of inflammation in obesity associated insulin resistance
- ▶ Molecular mechanism underlying inhibition of insulin signaling
- ▶ Regulation of lipogenesis and lipolysis in liver, muscle, or adipose tissue
- ▶ Molecular activation of insulin sensitizing gene transcription
- ▶ Dietary interventions for managing obesity and insulin resistance
- ▶ Probiotic manipulation of the intestinal microbiota
- ▶ Factors improving cell survival during hyperglycemia

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jnme/oair/>.

Lead Guest Editor

Pingping Li, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China
lipp@imm.ac.cn

Guest Editors

Ren H. Xia, Indiana University, Bloomington, USA
renh@iu.edu

Olivia Osborn, University of California, San Diego, La Jolla, USA
oosborn@ucsd.edu

Yunsok Lee, University of California, San Diego, La Jolla, USA
yunsoklee@ucsd.edu

Manuscript Due

Friday, 28 April 2017

First Round of Reviews

Friday, 21 July 2017

Publication Date

Friday, 15 September 2017