

# Speaker's Biosketch

ICoLA 2024

## **Kae Won Cho (Soonchunhyang University, Republic of Korea)**

Kae Won Cho is a Vice-President of Korean Society for the Study of Obesity (KSSO) and Professor of Soonchunhyang Institute of Medi-Bioscience (SIMS) at the Soonchunhyang University. He received his PhD from the Purdue University in 2006 and completed postdoctoral training in the department of Molecular and Integrative Physiology at the University of Michigan. His research focuses on deciphering molecular mechanisms that drive metabolic disease, and using this information to develop targeted therapeutic strategies. In particular his lab has interest in the biology of adipose tissue and how adipose tissue immune cells contribute to adipose tissue function and obesity-associated metabolic diseases. His laboratory have identified the cellular and molecular mechanisms underlying adipose tissue inflammation, focusing on the role of innate immune cells (macrophages and dendritic cells) and their antigen presentation properties as critical regulators in obesity-induced inflammation and insulin resistance. His laboratory also interested in uncovering critical molecular pathways that modulate insulin sensitivity, including the identification of novel genes and regulatory mechanisms. These findings have advanced our knowledge of immunometabolism in adipose tissue and opened new avenues for therapeutic strategies to improve insulin sensitivity in metabolic disorders.