

Speaker's Biosketch

ICoLA 2024

Yong-ho Lee (Yonsei University, Republic of Korea)

As a clinician specialized in endocrinology, his scientific career has largely focused on the study of understanding the roles of dysregulated immune responses and metabolism on aging- and obesity-related diseases including diabetes and metabolic dysfunction-associated steatohepatitis (MASH). His major research interests focused on the pathophysiologic mechanism of MASH to explore potential therapeutic candidates for MASH such as GLP-1/GLP-2 receptor dual agonists, recently published in *Hepatology*. Yong-ho Lee, MD, PhD has primarily focused on elucidating the role of NLRP3 inflammasome in macrophages in the liver and human blood. These studies demonstrated that TFEB/AMPK-mediated autophagy induction was an important pathway to inhibit NLRP3 inflammasome and multiple metabolites including ketone body, glucose, and insulin could modulate NLRP3 inflammasome activity in human macrophages. In addition, he has been involved in clinical and epidemiologic studies mainly related to sarcopenia, MASH and metabolic dysfunction associated steatotic liver disease (MASLD). Currently he is working as an associate professor in Yonsei University College of Medicine, Severance Hospital and is a member of Young-Korean Academy of Science and Technology (Y-KAST). He has received numerous national scientific awards, including “27th Wunsch Medical Award (Young investigator/Clinical)” from Korean Academy of Medical Sciences and “13th Asan Award in Medicine (Young Medical Scientists)”.