

## Special Issue

# Molecular Mechanisms of Immune Cell Function in Obesity and Related Diseases

### Message from the Guest Editor

Obesity is a well-recognized health risk for various diseases. Characterized with metabolic and immunologic abnormalities, obesity has been associated with a wide variety of chronic diseases including type 2 diabetes, cardiovascular diseases, and some cancers, as well as compromised acute response to pathogen invasion. It is a crucial task to understand how immune cells contribute to obesity-induced health risk, and more importantly, how such knowledge can be translated to prevention/intervention strategy to mitigate obesity-associated diseases. Recent discoveries on this topic have provided valuable information to understand the molecular mechanisms underlying immune cells actions under obesity stress at genetic, transcriptomic, and epigenetic levels. This Special Issue on “Molecular Mechanisms of Immune Cell Function in Obesity and Related Diseases” aims to provide a comprehensive overview of the most recent advances in this timely topic and a preview to future research directions and challenges to mitigate obesity-induced health risks.

### Guest Editor

Prof. Dr. Beiyan Zhou

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### Deadline for manuscript submissions

closed (20 February 2023)

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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