

## Special Issue

# Mechanisms of Insulin Resistance at the Crossroad of Obesity with Associated Metabolic Abnormalities

### Message from the Guest Editors

Insulin resistance represents an impaired biological response to insulin stimulation of target tissues, primarily liver, muscle, and adipose tissue. It is recognized as the root for hypertension, dyslipidemia, non alcoholic fatty liver disease, polycystic ovary syndrome, atherosclerosis, and adverse cardiac remodeling/heart failure. Insulin resistance is also risk factor for cancer development. The list of target organs has recently been elongated, recognizing its role in the pathogenesis of type 2 diabetes associated dementia and Alzheimer's disease (AD), a condition known as Type 3 diabetes (T3D). Furthermore, the impact of environment (e.g., exposure to bacteria or pollutants) on the onset of metabolic abnormalities is becoming evident.

We invite investigators to contribute either original research articles or review articles focusing on the variety of molecular mechanisms that either contribute to the worsening of insulin resistance in obese patients, or that, triggered by insulin resistance, cause the onset and progression of comorbidities associated with obesity.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2019)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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