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Molecular Genetics in Obesity and Metabolic Syndrome

Guest Editors:

Dr. Emina Colak

Department for Scientific
Research and Education Institute
of Medical Biochemistry, Clinical
Centre of Serbia, Visegradska
Street No.26, 11000 Belgrade,
Serbia

Dr. Aleksandra Jotic

Faculty of Medicine, University of
Belgrade, Clinic for
Endocrinology, Diabetes and
Metabolic Disorders, University
Clinical Centre of Serbia, 11000
Belgrade, Serbia

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Message from the Guest Editors

Obesity is a serious medical condition defined as the excessive accumulation of fat. Obesity and metabolic syndrome are closely interrelated and are influenced by many factors, such as genetic, environmental, and lifestyle factors, as well as others. The clustering of metabolic traits that include central obesity, abnormal glucose regulation, dyslipidemia, and elevated blood pressure, known as metabolic syndrome, is associated with increased risk of cardiovascular disease and diabetes mellitus type 2.

The Special Issue aims to present research articles and comprehensive reviews that provide the most updated explanations concerning obesity and metabolic syndrome. Research areas may include, but are not limited to, the following: a) the identification of genetic markers associated with obesity and metabolic syndrome; b) the molecular and biochemical mechanisms underlying these conditions; and c) novel approaches for the potential prevention and therapeutic strategies of obesity, metabolic syndrome, and related conditions.



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Special Issue



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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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