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Exploring Uric Acid and Beyond

Guest Editors:

Dr. Pietro Cirillo

1. Department of Precision and Regenerative Medicine and Ionian Area (DiMePre-J), University of Bari Aldo Moro, 70122 Bari, Italy

2. Azienda Ospedaliero Universitaria Consorziata Policlinico di Bari, Piazza Giulio Cesare 11, 70124 Bari, Italy

Prof. Dr. Claudio Borghi

Atherosclerosis and Metabolic Disease Study Center, University of Bologna, 40138 Bologna, Italy

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Message from the Guest Editors

Dear Colleagues,

Serum uric acid (UA) is a clear and an independent predictor of all-cause and cardiovascular mortality but also acute coronary syndrome, stroke, and heart failure. Moreover, a high UA level is a risk factor for the new onset and progression of chronic kidney disease (CKD). In the CKD field, the new therapeutic era of the sGLT2i, with its uricosuric effects, has allowed new stimulating research inputs into the management of the UA-CKD interplay. New and interesting insights into the correlation between hyperuricemia and metabolic derangement have been emerging from extended research papers that have clarified that the UA is a causative pathologic element of metabolic syndrome, diabetes, obesity, and dyslipidemia. The relationship between hyperuricemia and the immune system, with its role as a danger signal in immunity and inflammation, has been a growing research interest for our and other working groups.

The aim of this Special Issue is to review the role of UA as a global risk factor in medicine, with particular attention to special subgroup populations, i.e., CKD, obese, and diabetic patients.



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Special Issue



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Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale
Civile di Baggiovara, Azienda
Ospedaliero-Universitaria, 41126
Modena, Italy

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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Metabolites Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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