

Special Issue

Pathogenesis, Immunity and Therapy of Systemic Sclerosis: Molecular Aspects

Message from the Guest Editors

Systemic sclerosis is a connective tissue disease with highly complex pathogenesis which comprises vascular damage, tissue fibrosis and autoimmune phenomena. Due to this complex pathomechanism, there is still an unmet need for efficient disease-modifying treatments in this disease which can affect almost all organ systems and carries the worst disease-related survival among the systemic autoimmune diseases. Ischemia-reperfusion injury, vascular dysfunction and abnormal angiogenesis represent key pathological aspects of vascular damage. Fibrosis in multiple organs is a prominent pathological finding, and is also the most characteristic and disabling clinical feature in systemic sclerosis. Dysregulation of the immune system leads to the breakage of tolerance and the activation of autoreactive T and B lymphocytes, resulting in pathological autoantibody production, inflammation and multi-organ damage. This Special Issue aims to highlight recent advances in the cellular and molecular aspects of vascular damage, fibrosis and immune dysfunction.

Guest Editors

Dr. Diána Simon

Department of Immunology and Biotechnology, University of Pécs Medical School, 7624 Pécs, Hungary

Dr. Tünde Minier

Department of Rheumatology and Immunology, University of Pécs Medical School, 7624 Pécs, Hungary

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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