

Special Issue

Genetics of Autoimmune Diseases

Message from the Guest Editors

Autoimmune diseases occur when the immune system is unable to distinguish between autoantigens and non-autoantigens due to the disruption of immune tolerance. Autoantibodies attack normal cells and tissues. Multiple genetic and environmental factors are involved in the development of autoimmune diseases. The identification of genetic factors may help to elucidate the pathogenesis of autoimmune diseases, develop therapies, and predict the onset and severity. Genome-wide association studies (GWAS) are especially effective in comprehensively identifying genetic factors. The main purpose of this Special Issue is to provide up-to-date information on the most important topics related to the genetics of various systemic and organ-specific autoimmune diseases. In addition, to deepen the reader's understanding of genetic research on autoimmune diseases, this Special Issue includes post-GWAS studies that combine the results obtained from multi-omics analyses and research targeting the human leukocyte antigen gene, which is the most important gene in autoimmune disease. To this end, we wish to present a collection of original research and systematic review articles.

Guest Editors

Prof. Dr. Katsushi Tokunaga

Genome Medical Science Project, National Center for Global Health and Medicine, Tokyo 162-8655, Japan

Dr. Yuki Hitomi

Department of Human Genetics, National Center for Global Health and Medicine, Tokyo 162-8655, Japan

Deadline for manuscript submissions

closed (25 October 2023)

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Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Experimental Cancer Therapeutics, The University of Alabama at
Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-
2182, USA

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