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Ribosomopathies: Molecular Basis of Disease and Therapeutic Strategies

Guest Editors:

Dr. Amee J. George
The John Curtin School of Medical Research, The Australian National University, Canberra 0200, Australia

Prof. Dr. Ross Hannan
The Division of Genome Science and Cancer, The John Curtin School of Medical Research, The Australian National University, Acton, Canberra 2601, Australia

Deadline for manuscript submissions:
closed (1 January 2022)

Message from the Guest Editors

Ribosomopathies are a group of rare, genetically inherited diseases which are linked to impairments in ribosome biogenesis and function. While many of these diseases lead to defects in cellular growth and proliferation and bone marrow failure, intriguingly, they demonstrate different tissue specificities which results in a diverse range of clinical presentations. It has been known for decades that the nucleolus, a subnuclear organelle located within the nucleus of cells drives the process of ribosome biogenesis; it has only been more recently that other roles of nucleolus have been identified, including mechanisms which monitor for cellular changes that can interfere with ribosome biogenesis and make decisions about cell fate. The aberrant activation of these mechanisms has been implicated, at least in part, in the molecular pathogenesis of these diseases.

This special issue on ribosomopathies will invite original research articles, reviews and short communications on areas of ribosomopathies which span the molecular genetics and pathogenesis of these group of diseases, through to novel and new treatment strategies for these patients.

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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

Tel: +41 61 683 77 34
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