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Non-coding DNA in Human Health and Diseases

Guest Editors:

Dr. Isidoro Feliciello
Department of Clinical Medicine and Surgery, University of Naples Federico II, 80100 Napoli, Italy

Prof. Dr. Đurđica Ugarković
Ruder Boskovic Institute, Bijenicka 54, 10000 Zagreb, Croatia

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Message from the Guest Editors

Coding DNA represents approximately 2% of the human genome, as well as of the genomes of other eukaryotic organisms. One of the most puzzling biological questions is understanding the purpose of the remaining 98% of the genome and how this non-coding DNA is linked to health. Genetic changes targeting non-coding DNA, such as substitution variants, duplications, insertions, deletions and translocations, can affect health and development. This Special Issue aims to identify regions of non-coding DNA, in particular those belonging to repetitive DNA, which play important role in cells and to understand how epigenetic and genetic changes of these regions affect their activity and in this way either influence certain genes, adaptation of the organisms as well as health conditions, or could serve as markers of specific pathological conditions.

GCAT TACG GCAT genes

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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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Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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