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microRNAs as Therapeutic Agents: From Basic Molecular Knowledge to Clinical Research

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Message from the Guest Editors

This issue aims at exploring the functional basis of microRNAs (miRNAs) as therapeutic agents either through basic research studies or in an applied context by exploring physiological phenotypes and dissecting the methods used for in vitro and in vivo manipulation of a potential therapeutic miRNA.

In this issue of *Genes*, we aim at exploring basic mechanisms of miRNA-mediated modulation of gene expression and how this knowledge translates into clinical research namely, by exploring their use as therapeutic agents in diseases such as immune-related, diabetes, or cancer, among others.

- miRNA biology and function
- gene expression regulation
- miRNA manipulation
- miRNA-mediated therapy
- miRNA in disease



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Special Issue



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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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