

Special Issue

Methods in MicroRNA: Biogenesis, Identification, Function and Applications

Message from the Guest Editors

The past two decades have seen significant advances in microRNA (miRNA) research, in regards to their identification, mechanisms, and applications. Functional assessments of miRNAs have been carried out across various cellular levels, not limited to the transcriptome, epigenome, proteome, and metabolome. Information generated using state-of-the-art technologies has tremendously advanced our understanding of disease mechanisms governed by miRNAs. This is a major leap forward in the era of personalized medicine. However, there is still a paucity of information that can fully explain the role of miRNAs in contributing to developmental and disease heterogeneity and complexity. To address this challenge, multi-disciplinary research efforts focusing on the combination of several validated and novel research methods need to be developed that will enable researchers to endorse the contribution of an miRNA to a certain phenotype.

In this Special Issue titled “Methods in MicroRNA: Biogenesis, Identification, Function and Applications”, we welcome original research and review articles presenting miRNA-related methodologies.

Guest Editors

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Deadline for manuscript submissions

closed (30 October 2020)



Methods and Protocols

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 3.9
Indexed in PubMed



mdpi.com/si/44041

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About the Journal

Message from the Editor-in-Chief

Methods and Protocols (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

Editor-in-Chief

Prof. Dr. Fernando Albericio
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