

Special Issue

ncRNAs in Therapeutics

Message from the Guest Editors

Noncoding RNAs (ncRNA), either short or long, have revealed a regulatory potential that can be used in therapeutics. In this issue of *IJMS*, we will review current experiences for the treatment of atherosclerosis, a complex inflammatory disease with an important genetic background, with therapeutic ncRNAs. We will pay special attention to some of the challenges that make the clinical use of therapeutic ncRNAs difficult, including the identification of the most efficient effectors and their stabilization to increase their half-life during treatments, with particular emphasis on their design and the inclusion of chemical modifications that interfere with their degradation. We are particularly interested in the specific targeted-delivery of therapeutic ncRNAs, as well as in the generation of unwanted off-target effects and the different approaches to reduce them. Lastly, we will also explore how ncRNAs could contribute to the development of personalized medicine. Therefore, we invite authors to communicate new research studies, but also reviews will be welcomed, for illuminating future research on this hot topic.

Guest Editors

Dr. Miguel Hueso

Department of Nephrology, Hospital Universitari de Bellvitge, 08907 L'Hospitalet de Llobregat, Spain

Dr. Estanislao Navarro

Experimental Nephrology Lab, Institut d'Investigació Biomèdica de Bellvitge-IDIBELL, C/ Feixa Llarga s/n, L'Hospitalet de Llobregat, 08907 Barcelona, Spain

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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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