



Non-Coding RNAs, from an Evolutionary Perspective

Guest Editors:

Dr. Claire Rougeulle

Department of Epigenetics and
Cell Fate, Paris Diderot
University, Paris, France

Dr. Yehu Moran

Department of Ecology,
Evolution and Behavior,
Alexander Silberman Institute of
Life Sciences, The Hebrew
University of Jerusalem,
Jerusalem 9190401, Israel

Deadline for manuscript
submissions:

closed (13 December 2018)

Message from the Guest Editors

Dear Colleagues,

Non-coding RNAs (ncRNAs), such as microRNAs and long ncRNAs (lncRNAs), pose a formidable challenge to biologists: they constitute a large fraction of eukaryotic transcriptomes and emerge as an important component of gene regulatory networks, yet, unlike protein-coding genes, their conservation in evolution is rather limited, at least at the sequence level. The evolutionary conservation of ncRNAs serves as an important indication for their functionality; however species differences in microRNAs and lncRNAs may be invaluable predictors of phylogenetic relationships and may contribute to promote plasticity and diversity in evolution.

This Special Issue will focus on evolutionary aspects of ncRNAs, from in silico to functional and mechanistic investigations. Manuscripts reporting original research, short communications and reviews will be considered.

For further reading, please visit the [*Special Issue website*](#).

Dr. Claire Rougeulle

Dr. Yehu Moran

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. George A. Calin

Department of Translational
Molecular Pathology, Center for
RNA Interference and Non-
Coding RNAs, University of Texas
MD Anderson Cancer Center,
Houston, TX 77030, USA

Message from the Editor-in-Chief

This field finally has a dedicated journal where its broad community can communicate and exchange its latest findings in one centralized place. This field was built stone by stone from the many scientific contributions from extremely diverse horizons, studying gene silencing in plants, position effect variegation in drosophila or quelling in fungi. This field has achieved maturity, but a lot remains to be discovered! Our aim is to publish manuscripts from all horizons that will have a high impact on the development of the field. Let's have fun and wish *Non-Coding RNA* a long and rewarding life!

Author Benefits

Open Access:— free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus**, **ESCI (Web of Science)**, **PubMed**, **PMC**, **CAPLus / SciFinder**, and **other databases**.

Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q1 (Genetics)

Contact Us

Non-Coding RNA Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ncrna
ncRNA@mdpi.com
[X@Non_Coding_RNA](https://twitter.com/X@Non_Coding_RNA)