

Special Issue

Non-Coding RNAs, from an Evolutionary Perspective

Message from the Guest Editors

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](#).

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Deadline for manuscript submissions

closed (13 December 2018)



Non-Coding RNA

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/8904

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About the Journal

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!

Editor-in-Chief

Prof. Dr. George A. Calin

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