



life



an Open Access Journal by MDPI

Satellite DNAs: Cell Function and Evolution

Guest Editor:

Dr. Christophe Escudé

Laboratoire Structure et
Instabilité des Génomes –
INSERM U1154 – CNRS UM7196 –
Muséum National d'Histoire
Naturelle, 75005 Paris, France

Deadline for manuscript
submissions:

closed (20 April 2022)

Message from the Guest Editor

Dear Colleagues,

Satellite DNA represents one of the most intriguing component of eukaryotic genomes. Progress in sequencing technologies, together with new computational and functional approaches, offer new perspectives for understanding the evolutionary dynamics of those peculiar repetitive elements as well as their contribution to important cell functions such as the preservation of genome stability and genome regulatory mechanisms.

This Special Issue of *Life* aims to compile a timely collection of reviews and research articles covering different aspects of satellite DNA biology, including but not limited to sequence analysis, epigenetic regulations, non-coding RNAs and nuclear organization. Attention will be given to studies aimed at describing how satellite DNA regulate cell proliferation and differentiation and contribute to pathophysiological processes as well as expanding our knowledge on the interplay of satellite DNA and genome evolution.

We hope this Special Issue will help address the challenges raised by satellite DNA and clarify how those sequences impact cell function and evolution. We look forward to receiving your contributions.



mdpi.com/si/99571

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)