

## Special Issue

# Dynamics of Chromosome Evolution across Animals and Plants: Advances, Insights, and Prospects

### Message from the Guest Editors

Chromosomal rearrangements, such as inversions, translocations, duplication, and deletion, could serve as a driver of chromosomal evolution, karyotype organization, and species diversification, helping to physically trace the evolutionary paths within and/or between taxa. This issue focuses on the structural changes in both autosomal and sex chromosomes in animals and plants, and on approaches that show how chromosomal evolution can elucidate the dynamics, speciation, and diversification among closely and distantly related species, as well as how chromosomal rearrangements that influence the evolution of sex determination systems and sex differentiation can contribute to the understanding dynamics of chromosomal evolution. Conventional and advanced molecular cytogenetics using different types of specific fluorescent in situ hybridization (FISH) probes, numerous state-of-the-art omics techniques and combinations of them have been used to study chromosome evolution in general, which is the main subject of this issue.

### Guest Editors

Dr. Martin Knytl

Department of Cell Biology, Faculty of Science, Charles University,  
12843 Prague, Czech Republic

Dr. Livia Do Vale Martins

Department of Biology, Federal University of Piauí, Teresina, Piauí, Brazil

### Deadline for manuscript submissions

closed (1 June 2023)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[life@mdpi.com](mailto:life@mdpi.com)

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Prof. Dr. Lluís Ribas de Pouplana

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

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