

## Special Issue

# Advances in Genome Regulation in Cancer

### Message from the Guest Editors

Dear colleagues, The last decade has seen significant advances in the cancer genome regulation. Recent progress indicates that the human genome has atavistic “cancer attractors”. Chaotic genome regulation may help explain cancer resistance to treatments. However, many questions remain. Are there constraints on the “genome chaos”? Can cancer progress solely by genomic instability, which perpetually increases aneuploidy? Can these processes ensure cancer cell immortality? Do they arrive at some point at the mechanism of heredity transfer between generations of organisms? Can a cancer cell really undergo cyclic soma-to-germ transition and behave like a single-celled organism with a “life-cycle”? Is one of the keys to this conundrum hidden in the germ-line genes ectopically expressed in cancer and associated with poor survival? Are these genes involved in ensuring genome order? Original articles and reviews addressing these essential questions are invited. Potential authors are encouraged to send an Abstract to the Chief-Guest-Editor Dr. Erenpreisa. Manuscript proposals outside the issue theme may be declined following initial editorial review.

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### Guest Editors

Dr. Jekaterina Erenpreisa

Prof. Dr. Mark Steven Cragg

Prof. Dr. Alessandro Giuliani

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### Deadline for manuscript submissions

closed (15 December 2022)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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