



DNA Replication Stress and Chromosomal Instability 2.0

Guest Editors:

Dr. Jihane Basbous

Institute of Human Genetics
(IGH), Univ Montpellier, CNRS
UMR 9002 Montpellier, France

Dr. Cyril Ribeyre

Institute of Human Genetics
(IGH), Univ Montpellier, CNRS
UMR 9002 Montpellier, France

Dr. Antoine Aze

Laboratoire Surveillance et
Stabilité du Génome, Institut de
Génétique Humaine, UMR9002,
CNRS, Université de Montpellier,
34090 Montpellier, France

Message from the Guest Editors

Faithful duplication of the genetic information during DNA synthesis is essential for the cell to maintain its genome integrity. DNA lesions generated by exogenous or endogenous insults perturb DNA synthesis and lead to the stalling of replication forks. Interference with DNA replication causes DNA replication stress, which is a well-established hallmark of cancer and a source of genomic instability.

In the recent years, new sources of DNA replicative stress have been uncovered (DNA-protein crosslinks, mechanical stress, etc.) as well as crosstalks with other pathways (splicing, aldehydes metabolism, etc). This Special Issue aims to explore in depth how these diverse threats are detected and processed by the cells and to study their impact on genome integrity and cancer.

Deadline for manuscript
submissions:

closed (31 July 2022)





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, St. Alban-Anlage 66
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