Special Issue

DNA Replication Kinetics

Message from the Guest Editor

Reproducible patterns of DNA replication timing are seen across eukaryotes. These replication timing patterns correlate with gene expression, chromatin structure, chromosome conformation and genome evolution, suggesting a deep interrelation between these fundamental nuclear processes. Thus, understanding the regulation of replication timing is a major goal in the field of nuclear biology. Nonetheless, neither the mechanisms that regulate replication timing, nor their biological implications are well understood. Given the active work going on in the field, and the potential for new insight, this is an excellent time for a Special Issue dedicated to the topic. In this Special Issue, we welcome original articles, new methods and reviews covering any aspect of DNA Replication Kinetics. These include, but are not limited to, regulation of the replication initiation, the mapping and regulation of replication origins, regulation of replication fork rate, developmental and checkpoint regulation of replication kinetics, replication timing of specific genomic loci (such as telomeres or rDNA), and other cellular processes that are coordinated with DNA replication timing.

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2022)

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Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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