



DNA Replication Stress

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Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editor

Dear colleagues,

During DNA synthesis in vivo, the replication fork encounters a variety of forms of stress imposed by DNA damage, alternate DNA structures, genetic deficiency, and pharmacologically-induced conditions that ultimately impede fork progression and may lead to the elicitation of signaling cascades. To contend with a variety of different forms of replication stress, eukaryotic cells possess a number of mechanisms involving DNA damage response or DNA repair proteins as well as cell cycle checkpoints to help mediate the appropriate response. This IJMS Special Issue on “DNA Replication Stress” welcomes contributions in all areas that address these mechanisms, mediated at the molecular and cellular levels, to respond to adverse genomic perturbations and cellular conditions so that chromosomal stability and cellular homeostasis is maintained.

Dr. Robert M. Brosh Jr

Guest Editor





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Message from the Editor-in-Chief

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