Special Issue

Cytonuclear Interactions in Polyploid Species

Message from the Guest Editors

Polyploidy is widespread in plants and less frequent in animals but serves as an important speciation mechanism in both groups. Polyploidy is accompanied by drastic changes in genome organization including differential patterns of gene loss, gene silencing, genome-wide expression dominance, and epigenetic reprogramming. One underexplored dimension of polyploid evolution is cytonuclear interactions. As polyploidy allows new interactions between highly divergent cytoplasmic and nuclear genomes, cytonuclear interactions may be more challenging in allopolyploids than in diploid hybrids. This Special Issue aims to explore and contrast coordination and coevolution between cytoplasmic and nuclear genomes in both plant and animal polyploids.

Guest Editors

Prof. France Dufresne

Dr. Jennifer Tate

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Deadline for manuscript submissions

closed (31 December 2019)

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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?

Editor-in-Chief

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