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Genome Diversity of Adaptation and Speciation

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Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Uncovering the underlying mechanisms of adaptation and speciation is perhaps the most significant quest of evolutionary science ever since the introduction of the concept in the “Origin of Species.” As we entered the genomics era, the situation has changed drastically: every time genome data is released for a new species, or a new sequencing technology or analytic tool is introduced, the scope of opportunities expands for exploring inter- and intra-specific variation.

With a new arsenal of genomic data, bioinformatic and analytical tools, we are given an opportunity to answer pressing questions (i) on the predictions of evolutionary theory in the face of the environmental change, (ii) how mechanisms of adaptation and long-term survival are linked to the concepts of species diversity, genetic load, and extinction, and (iii) how evolutionary models can be refined to better represent the complexities of genome changes. We invite you to contribute to this Special Issue, which will showcase original contributions to the advancement in the genomic diversity of adaptation and speciation.



mdpi.com/si/41451

Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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