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Non-Mendelian Inheritance

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Message from the Guest Editor

Dear Colleagues,

Despite the fact that the foundations of modern genetics (as well as of modern Theory of Evolution itself) have Mendelian roots, many examples are nowadays known that do not adhere to the basic Mendelian paradigm, and the current view of inheritance has been largely widened. In fact, many genetic determinants do not follow strict Mendelian inheritance patterns, at diverse organization levels, from genes to chromosomes to organelles. Strict Mendelian inheritance is challenged by phenomena such as meiotic drive, sex-linked inheritance, and genomic imprinting. This Special Issue aims to review and assess new and relevant cases of nonMendelian inheritance patterns, as well as their effects on the biology and evolution of studied eukaryote model systems, as well as the utility of such experimental models for eukaryote research.

Prof. Marco Passamonti

Guest Editor



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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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