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MicroRNAs in Eye Development and Diseases

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

MicroRNAs are small regulatory RNAs involved in controlling gene expression in physiological and pathological states. MiRNAs play important roles in all ocular tissues and we hope this Special Issue will highlight their roles in both ocular development and multiple ocular conditions. Numerous miRNAs have been implicated in eye development and ocular disorders. Dysregulated miRNA expression provides insight into the patho-physiological process implicated in eye disease and pathology. MiRNAs have been investigated as biomarkers of ocular disease, providing diagnostic and prognostic information as well as disease stratification. The potential to manipulate microRNAs for clinical benefit has raised the possibility of new classes of therapeutic agents for ocular diseases. Investigation into multiple model organisms has advanced our knowledge on the basic mechanisms of miRNA regulation and dysregulation in ocular development and diseases. In this Special Issue, we wish to bring together a collection of papers that highlight the roles of microRNAs in ocular development, health and diseases from both clinical and experimental studies.



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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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