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Genetic Basis of Sports Athletes

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Message from the Guest Editors

Athletic performance phenotypes are complex and dependent upon numerous environmental and genetic factors. Uncovering genetic contributions to physical performance and/or its related traits can help to determine the possibility of using genetic approaches to individualize the manipulation of training variables to enhance competitive abilities. These possibilities provide the rationale and motivation for genetic studies of physical performance and/or its related traits.

The Special Issue aims to enhance knowledge regarding how genetics influence athletic status and sports performance and how we can apply genetic information in the context of sports. We are interested in original investigations that use cohorts of elite/professional athletes and include measurements of phenotypes directly associated with sports performance. We also welcome narrative and systematic reviews that help to translate the current knowledge of the influence of genetics on sports performance to athletes, coaches, and other supporting personnel, as they are key elements to effectively interpreting how research can be used in the field to aid in the preparation of elite athletes.



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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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