

# Special Issue

## Canine Genetics 2

### Message from the Guest Editor

In 2019, Dr. Elaine Ostrander edited a very successful Special Edition on Canine Genetics. The success of this Special Issue and the broad scientific interest into dogs prompted us to open another Special Issue on this topic. More than thirty thousand years of human interaction with canines, domestication, breed development, and dog breeding have provided us with unique and highly valuable resources for genetic studies. As the mammalian species with the greatest phenotypic diversity, dogs are uniquely suited for forward genetics studies that may help to answer one of the fundamental questions in biology: How does the one-dimensional genetic code in a fertilized oocyte specify a highly complex multicellular organism?

This Special Issue will cover all aspects of canine genetics, including studies on domestication and breed development, genetic diversity in domesticated and wild canine populations, genetic determinants of morphology and coat color, behavioral genetics, genetics of inherited diseases, and cancer genetics.

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### Guest Editor

Prof. Dr. Tosso Leeb

Institute of Genetics, University of Bern, Bern, Switzerland

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### Deadline for manuscript submissions

closed (1 March 2022)

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## Genes

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### Message from the Editor-in-Chief

*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?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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