



Application of Genetics and Genomics in Livestock Production

Guest Editors:

Prof. Dr. Heather Burrow

Faculty of Science, Agriculture,
Business and Law, University of
New England Australia, Armidale,
Australia

Prof. Dr. Michael Goddard

Faculty of Veterinary and
Agricultural Sciences, Agriculture
Victoria and University of
Melbourne, Melbourne, Australia

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Message from the Guest Editors

The delivery of genome sequences for most livestock species over the past 10–15 years has generated the potential to revolutionise livestock production globally, by providing farmers with the ability to match individual animals to rapidly changing climates, production systems and markets. The technology that has had the greatest impact to date is genomic selection. However, genomic selection also faces ongoing limitations around lack of essential phenotypes, particularly for expensive or difficult-to-measure traits and possibly the need for faster/greater computational capacity. It is therefore timely to examine the impact of genomic technologies generally, and to identify successes and limitations that need to be overcome in order to achieve practical applications for livestock producers in future. This Special Issue therefore invites submissions addressing any of the -omics approaches (including phenomics) with the aim of summarising the successes, failures, limitations and ongoing challenges to deliver technologies that can be directly applied by livestock producers in both developed and developing countries.





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Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture,
School of Life and Environmental
Sciences, The University of
Sydney, Sydney, NSW 2006,
Australia

Message from the Editor-in-Chief

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Agriculture Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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