

Professor Dorian Garrick



Chief Advisor of Genetics and Breeding

Professor Dorian Garrick is the Chief Scientist at the AL Rae Center in the Institute of Veterinary, Animal & Biomedical Sciences at Massey University in New Zealand. He received a First Class Honors degree in Agricultural Science from Massey University and a PhD from Cornell University. He was the inaugural appointment to the Jay Lush endowed Chair in Animal Breeding & Genetics at Iowa State University for almost 10 years from August 2007 following five years at Colorado State University and fifteen years at Massey University where he has held the A.L. Rae Chair since 1994. Dorian has been integrally involved in the development and implementation of national animal evaluation programs, performance recording databases and breeding schemes.

Professor Garrick has worked in the design of experiments to detect major genes and to exploit them in breeding programs. His recent work has focused on theoretical and applied aspects of using genomic information to predict performance. Dorian views animal breeding in a systems context, involving the integration of knowledge and understanding of business goals, production systems, processing and marketing, in concert with quantitative and molecular genetics.

Professor Garrick has worked with a variety of genetic improvement programmes, including beef cattle, dairy cattle, dual-purpose sheep, fine-wooled sheep, pigs, elk, salmon and tree breeding. Dorian works well with other researchers and equally enjoys working with enthusiastic producer and industry groups that seek to include animal breeding approaches in the attainment of their farm or ranch business goals. Dorian is Executive Director of the US National Beef Cattle Evaluation Consortium that focuses on the development and application of methods that use genomic information to predict genetic merit in beef cattle.

