Jennie Elizabeth Pryce

Professor Jennie Elizabeth Pryce was born in 1972 in Shrewsbury, Shropshire, UK. She grew up on the family dairy farm and also bred her own Holstein cattle under the prefix Severnvale Holsteins. While attending High School and the Cheltenham Ladies College, she was also actively showing her cattle. Jennie had a very clear academic vision from the start of her career, a vision she has followed to this day. She is determined to improve dairy cattle through breeding with a focus on health, fertility, and environmental sustainability. After graduating with a BSc (Hons) from the University of Edinburgh in 1994, she completed a PhD at the same institution and Scotland's Rural College (SRUC). After her PhD graduation, Jennie remained a dairy geneticist with SRUC until 2001, when she moved to New Zealand to work for the Livestock Improvement Corporation and maintained strong research outputs. In 2008, she moved to Melbourne, to work for Agriculture Victoria and was later promoted to Principal Research Scientist and then Professor in 2019. Jennie helped develop the Feed Saved Australian breeding value released in 2015, the first dairy feed efficiency breeding value globally. More recently, she has lead projects on the application of using mid-infrared milk spectroscopy to predict key dairy traits, including fertility and important early-metabolic health assays, and, in another global first, the combination of genomics and metabolomics for dairy cattle selection. Jennie is a prolific author with more than 150 scientific journal articles gathering more than 1000 citations annually. She is an excellent and valued collaborator and her list of co-authors is a global who's who of dairy cattle geneticists and cattle scientists in general. Jennie has made strong contributions to scientific publishing as a Section Editor for the *Journal of Dairy Science.*

Jennie was the first recipient from outside the USA of the prestigious American Society of Dairy Science J. L. Lush Award for Animal Breeding and Genetics. She and her team have also received awards from Agriculture Victoria on 'Excellence in Scientific Impact' for their work in demonstrating the value of genomics using on-farm data, MIR predictions of fertility. She received a 'Excellence in Leadership' award for her strong science leadership as measured from both scholarly and industry impact contributions. Indeed, Jennie has had a very high impact on the dairy industry in Oceania and abroad having been at forefront of major dairy genetics innovations and insights over the past 25 years. It is fair to say that she had a hand in all the main genetic innovations implemented by ADHIS and now DataGene over the past decade, a major contributor to a doubling of the genetic gain in the Australian national herd. She is a member of International Committee for Animal Recording's Functional Traits as well as Feed and Gas working groups and a member of the scientific committee of the World Congress on Genetics Applied to Livestock Production. Furthermore, her input is valued as the DataGene Lead Scientist, as a member of the Australian Dairy Moving Forward Fertility Group, and the DataGene member of Genetic Evaluation Standing Committee.

Jennie's impact is much broader than publications and dollars for industry. She leads and develops an ever-growing group of scientists and students in Australia and abroad, selflessly providing advice and training. A gifted communicator, Jennie is as at home talking to a group of farmers as she is to scientists or media. She is known for her clear and engaging presentations.

For Jennie's immense contributions to quantitative genetics and breeding, and in particular for her national and global impact on dairy cattle genetics and industry good, the Association for the Advancement of Animal Breeding and Genetics is pleased to elect her as a Fellow of the Association.