

Professor Jun Heon Lee, PhD: Standing as a member of Executive Committee

I am a member of ISAG since 1998 when I was a PhD student at the University of Sydney, Australia. During that time, I received a travel bursary award from ISAG in 2000. I always believed that my scientific knowledge has grown alongside my involvement with ISAG, and now I feel that it is time to give back to the ISAG society. Since 2002, I have held various positions including Vice President of International Affairs, Lecturer, Assistant Professor, Associate Professor, Professor of Animal Genetics at Chungnam National University in Korea.



My journey in Molecular Genetics began during my PhD studies from 1997 to 2001 at the University of Sydney, Australia. It continued as a Postdoctoral researcher from 2001 to 2002 at the University of Illinois, USA. Throughout my career, my research has focused primarily around three main areas. Firstly, I focus on Investigating MHC diversity in pigs and chickens, mainly for disease resistance. Secondly, I conduct GWAS and candidate gene studies related to production traits in various domestic animals such as chickens, pigs and cattle. And thirdly, I have recently taken on a joint appointment at the Department of Bio-AI Convergence, where I have developed a keen interest in utilizing artificial Intelligence (AI) technology for new phenotypes in animal breeding. In addition to my research, I have actively contributed to ISAG through my involvement in various committees. I have been a member of ISAG SLA Nomenclature Committee since 2002, as well as a member of the ISAG Avian Workshop Committee. Also, I am highly interested in research and education initiatives for developing countries in Asia and Africa.

Currently, I serve as a Section (Animal Molecular Genetics) Editor of Animal Biosciences and have been invited to be a Guest Editor for several peer-reviewed journals. Recently, I am serving as the Vice President of the Korean society of Animal Science and Technology and President of the Korean Society of Animal Breeding and Genetics (KSABG), which can host the ISAG2025 conference in Daejeon, Korea. I believe that I can contribute effectively as a member of the Executive Committee of the International Society for Animal Genetics.