

16th AB/CAPI Outstanding Research Award (Best Paper)

Susumu Muroya

Dr. Susumu Muroya is working in the Institute of Livestock and Grassland Science, NARO (The National Agriculture and Food Research Organization) in Japan. He received his B.Sc and Master's degree in Osaka University, and Ph.D. in Tohoku University, Japan. He authored dozens of scientific publications focusing on bovine and porcine skeletal muscle development, growth, and postmortem aging, including regulation of skeletal



muscle fiber type by DNA methylation and microRNAs. In these years, Dr. Muroya and his colleagues are interested in metabolomics of bovine and porcine muscles with various backgrounds of breed, physiological status, and meat quality traits to elucidate the underlying muscle metabolism, sometimes combining with transcriptomics.

The winning article for the 16th AB/CAPI Outstanding Research Award (Best Paper) was published in *Asian Australas. J. Anim. Sci.* Vol. 32 P1172-1185 (2019) with the title of "Metabolomic approach to key metabolites characterizing postmortem aged loin muscle of Japanese Black (Wagyu) cattle".

16th AB/CAPI Outstanding Research Award (Most Cited Paper)

Zulkifli Idrus

Professor Dr Zulkifli Idrus is affiliated with the Department of Animal Science, Faculty of Agriculture, and the Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia (UPM). Educated at UPM, and Virginia Polytechnic Institute and State University, he has extensive academic and research leadership experience. Zulkifli has served UPM as the Deputy Vice-Chancellor (Research and Innovation), Director of the Institute of Tropical Agriculture and Food Security, and Director of the Research Management Centre. His research interests encompass physiological and behavioural reactions to environmental stressors; effects of handling, transportation, stunning, and slaughter on physiology, behaviour, and meat quality; nutrient requirements under stressful conditions; human-animal interaction; regulation of adrenocortical function; and the role of heat shock proteins and acute phase proteins as modifying factors in stress physiology. He has published more than 215 research articles in peer-reviewed journals. His h-index and citation count (Scopus) are 33 and 3514, respectively. Currently, he is the Chairman of the Agriculture Committee, Academy Sciences of Malaysia. The winning article for the 16th AB/CAPI Outstanding Research Award (Most Cited Paper) was published in *Asian-Australasian Journal of Animal Sciences* Vol. 33 P 778-787 (2020) with the title of “Effects of heat stress on growth performance, selected physiological and immunological parameters, caecal microflora, and meat quality in two broiler strains”.



16th AB/CAPI Outstanding Research Award (Distinguished Service)

Tien-Shuh Yang

Dr. Tien-Shuh Yang studied animal physiology/nutrition at the Department of Animal Science, University of Adelaide, Australia. After receiving his Ph.D., he was a postdoctoral fellow/research associate in the University of Alberta, Canada. He became a Research Fellow at Pig Research Institute Taiwan thereafter and dedicated not only to scientific research but also to farm extension and university teaching. With a wide range of research interests, his publications can be found in influential journals of animal science, ethology, toxicology, zoology, meat science, laboratory animals, veterinary science, biotechnology, and xenotransplantation in forms of research note, original article, review, invited commentary and textbook chapter. In addition, he is a co-inventor on some patents and maintaining several industry collaborations. As a leading pig scientist, he had been responsible for several national research programs and innovation projects supporting sustainability in pig production in Taiwan. He has served as an editorial board member for decades to share his professional experiences with the scientific review process and is acting as a section editor for *Animal Bioscience* currently.



16th AB/CAPI Outstanding Research Award (Distinguished Service)

Tae Sub Park

Dr. Tae Sub Park is a Professor of Graduate School of International Agricultural Technology, PyeongChang campus, Seoul National University. He received his PhD degree in the field of animal genetic engineering from Seoul National University in 2002. As a post-doc, he extended his career to stem cell biology in UCLA. His lab mainly focusses on the production of genome-edited chickens and studies on functional genomics particularly in poultry. His research group is working on cell culturing, genetic modulation and functional study with avian species as a model animal as well as pig and cattle. Recently, based on CRISPR-Cas9 technical platform, his group reported on the generation of specific gene-edited chickens such as myostatin and G0S2 gene knockout chickens indicating that the valuable economic traits could be intentionally modulated and rapidly improved in livestock animal. He is currently serving as an associate editor of *Animal Bioscience*, and *Journal of Animal Reproduction and Biotechnology*.

