Christopher Tuggle, PhD

Professor, Molecular Genetics, Department of Animal Science, Iowa State University. Swine Genome Co-Coordinator, USDA-NRSP-8.

Christopher Tuggle received his PhD in 1986 and completed postdoctoral training in developmental genetics from 1987 to 1991. He joined Iowa State University in 1991 and achieved the rank of professor in 2001. His research projects include functional genomics and bioinformatics of the pig genome. A new project is characterizing and exploiting a serendipitous mutation in pigs that causes severe combined immune deficiency (SCID).

Tuggle has been fortunate enough to publish more than 165 journal articles, book chapters, and patents, and he has been awarded more than $11 million as principal investigator (PI) and more than $16 million as co-PI in his career, in research and graduate training funding. This funding has allowed him to mentor 18 excellent MS and PhD students to achieve their graduate degrees, as well as 15 postdoctoral fellows and visiting scientists to successfully complete collaborative research in his lab. He has provided more than 100 invited talks to various groups and has taken two international sabbaticals: one at INRA-Toulouse in France (1997) and the second at the Roslin Institute in the UK (2011).

Tuggle has been very dedicated to ISAG, including serving for six years as editor for functional genomics for our journal, *Animal Genetics*. He has attended all but one ISAG meetings since 1992. He was elected to the ISAG Standing Committee for Comparative Genomics and served for 10 years, including serving as chair for six of those years. Tuggle has expanded his international leadership role, becoming co-chair of the Steering Committee of the Functional Annotation of Animal Genomes Consortium, a group of more than 400 scientists from more than 18 countries who are working to develop collaborative efforts to improve the value of animal genomes. He organized an international FAANG workshop in Washington, DC, in 2015, where he secured presentations by six national and international funding agencies on how the goals of FAANG fit their current and future funding portfolios, directly resulting in significantly increased funding for FAANG-oriented research projects in the US and Europe.

To further serve our society, Tuggle believes that as an Executive Committee member he can help plan and hold excellent, inclusive conferences for ISAG members. More specifically, he sees a need to bring together the functional genomics, genome editing, and quantitative genetics communities, to strengthen future research on genome to phenome for science and the animal genetics industry.