

Joshua Gong Biography

Dr. Joshua Gong is a senior Research Scientist at Agriculture & Agri-Food Canada located in Guelph, an Adjunct Professor with University of Guelph and University of Manitoba, and a member of Scientific Advisory Committee of Canadian Poultry Research Council. He currently serves on the Editorial Board of “Bioactive Carbohydrates and Dietary Fibre” (Elsevier) and “Food Bioscience” (Elsevier). He was the recipient of the Award for Technical Innovation in Enhancing Production of Safe Affordable Food from the Canadian Society of Animal Science in 2012. He also received the Award of Excellence in Achievement from the Guelph Food Research Centre, Agriculture and Agri-Food Canada, in 2008. Dr. Gong’s research is focused on intestinal microbiology to improve gut health, aiming for mitigating the use of dietary antibiotics and food-borne pathogens in food animal production. He has accomplished multiple research projects funded by Agriculture and Agri-Food Canada, Ontario Ministry of Food and Agriculture, Canadian Poultry Research Council, Poultry Industry Council, and Ontario Pork. His research has advanced the understanding of animal gut microbial ecology, mechanisms of probiotic effects, pathogenesis of critical enteric pathogens, and development of viable alternatives to antibiotics in feed for mitigating prophylactic use of antibiotics. The isolation of vomitoxin-detoxifying gut bacteria by his group offers an opportunity for developing novel control strategies/technologies. Dr. Gong has co-authored near 130 research and review articles, 1 patent, 3 patent applications, and over 190 conference abstracts. He has trained 15 PhD, 3 MSc, and 17 project students and hosted near 20 visiting scientists and post-doctoral fellows.