

Christopher Tong, Ph.D.

Data Professional and Physical Scientist

Summary. Chris is an applied statistician with a physics background and over two decades of experience as a consulting and regulatory biostatistician (clinical, nonclinical, and preclinical) in human and animal health, including with study design, machine learning, and laboratory quality assurance. His experience includes 15 years at the USDA Center for Veterinary Biologics (CVB), supporting the review and laboratory staff of CVB, the laboratory staff of the National Veterinary Services Laboratory (NVSL), and occasionally other units within Veterinary Services.

Professional experience

- EDGE Veterinary Vaccines Consulting Group, LLC (since 10/24/2025).
 - Consulting Statistician (subcontractor).
- United States Geological Survey, Office of Science Quality and Integrity (2024-2025).
 - Bureau Statistician.
- United States Department of Agriculture, Animal and Plant Health Inspection Service, Veterinary Services, Center for Veterinary Biologics (2009-2024).
 - Mathematical Statistician.
 - Statistical reviewer for veterinary biologics submissions.
 - Consulting statistician for the laboratories of CVB and NVSL.
- Merck Research Laboratories (2002-2009).
 - Senior Biometrician (2005-2009) and Biometrician (2002-2005).
 - Consulting statistician for basic research (drug discovery), human health.

Education & certifications

- Purdue University.
 - M.S., Applied Statistics, 2002.
 - Ph.D., Physics, 2001.
 - M.S., Physics, 1997.
- Knox College.
 - B.A., Physics and Mathematics, 1995
- Certified Quality Improvement Associate (CQIA), American Society for Quality, 2003.

Publications & presentations

- <https://scholar.google.com/citations?user=TKoJwycAAAAJ&hl=en>
- ORCID: <https://orcid.org/0000-0003-0770-3270>

Professional organizations

- I am a life member of the American Statistical Association, and follow their *Ethical Guidelines for Statistical Practice*.
- I am also a member of various professional societies in the physical, mathematical, and earth sciences.