

JESSICA KOPPIEN-FOX, DVM, CertAqV

SUMMARY OF QUALIFICATIONS

I am a Doctor of Veterinary Medicine with a passion for public health, aquatic medicine and preventative medicine, particularly disease prevention through biosecurity. I am licensed to practice veterinary medicine in Minnesota and South Dakota and accredited by the United States Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS). For the past 11 years I have worked for an animal health and nutrition company with products used in global food animal production. I led the development of biosecurity and animal health plans for the shrimp production division. With unique R&D experience and animal health training, I assist the company with equine, aquatic and production animal research. I have particular focus on improving gut health through natural solutions, specifically in how gut health can improve performance and disease resistance across species. I am currently completing a master's degree in public health (MPH) from the University of Minnesota. I am an active participant in organized veterinary medicine. It is a priority for me to continue to gain knowledge, experience and develop leadership skills to enable me to be a voice for veterinary medicine.

RECENT WORK EXPERIENCE

2009-Present **Ralco** Marshall, MN

Director of Veterinary Services and Biosecurity

2009-2015 Research & Development Laboratory Technician

2015-2017 Corporate Technology Manager

trū Shrimp: Development of a preventative health approach to medicine for shrimp production. Development of biosecurity protocols, health program and disease screening for research facility and future production facilities, hatcheries and breeding center.

Ralco: With unique R&D experience and animal health training, assist the company with equine, aquatic and production animal research. Particular focus on improving gut health through natural solutions, specifically in how gut health can improve performance and disease resistance. Leader of equine and aquaculture research. R&D and technical support for feed additive division. Provide support for research facilities (poultry, cannulated steers, swine etc.) and aid in the development of biosecurity protocols for those facilities. Serve as a resource for health and disease related inquiries across species, company-wide. Contribute to manuscripts for publication. Invent and contribute to patent work. Attend conferences to share and present Ralco research as well promote aquatic veterinary medicine. Participate in webinars, seminars and authoring of industry articles to promote animal health, biosecurity (including feed security) and the company mission (perfect technologies that enhance the vitality of plants and animals for a safe and abundant food supply).

2016-Present **Fins Feathers Fur and Fetlocks** Marshall, MN
Owner, Veterinarian PT, sporadic hours

Home companion animal care, backyard poultry and aquatic veterinary services and veterinary consulting

2015-2017 **Worthington Veterinary Clinic** Worthington, MN
Relief Veterinarian PT, sporadic hours

Mixed animal practice. Relief work in small animal clinic seeing primarily small animal drop off appointments, companion avian cases, and assisting in surgery and pre-op.
{Increased travel demands at Ralco eventually made this no longer possible/practical}

EDUCATION

2016-Present **University of Minnesota School of Public Health** Saint Paul, MN
Master of Public Health (Anticipated Graduation May 2021)

2008, 2011-2015 **University of Minnesota College of Veterinary Medicine** Saint Paul, MN
Doctor of Veterinary Medicine

1999-2004 **Saint Cloud State University** St. Cloud, MN
Bachelor of Science: Biomedical Science

1998 – 1999; 2005 **Southwest Minnesota State University** Marshall, MN
Post-Secondary Education; Undergraduate Coursework

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AQUATIC EXPERIENCE

AQUAVET® I, II, III (2014, 2016, 2015)
University of Wisconsin Basic Fish Health Medicine Program (2017)
University of Arizona Shrimp Pathology Short Course (2017)
University of Wisconsin Fish Selective (2018)
Informal Shrimp Diagnostic Training Mississippi State University; University of Arizona
World Aquaculture Society Conference 2016
AVMA Aquatic Veterinary Medicine Committee Food Animal Production Representative

PROFESSIONAL SPEAKING EXPERIENCE

CLANA Conference 2015: Gut Health
Aquaculture America 2018: Training Opportunities in Aquatic Medicine
American Veterinary Medical Association Conference 2018: Shrimp 101, Health and Biosecurity
World Aquatic Veterinary Medicine Association Conference 2018: Shrimp 101, Training Opportunities
American Veterinary Medical Association Conference 2019: Training Opportunities
Aquaculture America 2020: Training Opportunities

PUBLICATIONS

Chicken Whisperer Magazine Poultry Advancements Today Articles:
What's Crackin'? How to set up your laying flock for shell quality success. Jessica Fox, Fall 2020
Can You Feel the Heat? Recognize the Signs Alleviate the Effects of Heat Stress. Jessica Fox, Summer 2020
Prebiotics, Probiotics, and Poultry Health. Jessica Fox, Spring 2020
Oregano, Essential Oils, and Phytonutrients... OH MY. Understanding plant-based additives and their use. Jessica Fox, Winter 2019

A Commercial Blend of Prebiotic Fiber, Oregano, Thyme, Cinnamon Essential Oils and Yucca Schidigera (One Current™) Supplemented Feed Increased Channel Catfish Fingerling Growth and Enhanced Disease Resistance. Peterman B, Koppien-Fox J, Petrie-Hanson L. Jr Aqua Mar Bio Eco: JAMBE-106, July 2020

Evaluation of essential oils and prebiotics for newborn dairy calves, K. A. Froehlich, K. W. Abdelsalam, C. Chase, J. Koppien-Fox, D. P. Casper, Journal of Animal Science Vol. 95 No. 8, August 2017

Antibacterial and antioxidant activity of oregano essential oil, Mellencamp, M.A. Koppien-Fox, J., Lamb, R., Dvorak, R, 122nd International Conference on the Epidemiology and Control of Biological, Chemical and Physical Hazards in Pigs and Pork, January 2011

PROFESSIONAL AFFILIATIONS

American Veterinary Medical Association (AVMA): Member
AVMA Aquatic Veterinary Medicine Committee: Member, Vice Chair, AMMPA Liaison, Harmful Algal Blooms Committee Liaison
Minnesota Veterinary Medical Association (MVMA): Member, Board of Directors
Government Affairs Committee, MVMA: Member 2016-Present
Minnesota VMA Opioid Task Force: Member, Chair
American Association of Swine Veterinarians (AASV): Member
World Aquatic Veterinary Medical Association: Member
American Association of Fish Veterinarians (AAFV): Member
AAFV Seafood and Aquatic Agriculture Committee

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ADDITIONAL TRAINING, CERTIFICATIONS, AND AWARDS

Veterinary Business Management Association Board Member 2012-2014; National Conference
Veterinary Business Management Association Gold Level Business Certificate 2015
Minnesota Power of 10 Leadership Program 2016
Heartland Veterinary Conference 2016: Minnesota VMA Emerging Leader
Veterinary Leadership Conference 2017 Minnesota VMA Emerging Leader
Preventive Controls Qualified Individuals Certificate
Seafood HACCP Segment 1
2016 NAVC Acupuncture Laboratory
2017 MVMA Animal Cruelty Investigations - The Role of the Veterinarian Training
2018 Turkey and Broiler Health Management School Certificate
Certified Aquatic Veterinarian (World Aquatic Veterinary Medical Association)
2019 Beef Quality Assurance Program Cow-Calf Certificate
2019 Minnesota VMA Emerging Leader Award
2019 Minnesota Veterinary Medical Foundation Public Health Scholarship Recipient

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