

# Christine MacWilliams BSc, DVM, MSc

## PROFESSIONAL EXPERIENCE

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2005 – present                      Fisheries and Oceans Canada                      Nanaimo, BC  
*Fish Health Veterinarian - Salmonid Enhancement Program*

- Coordinate fish health disease investigations; provide management recommendations on disease prevention, mitigation and therapeutic interventions; perform client education on biosecurity; conduct surveillance for fish pathogens of concern

*Laboratory Animal Veterinarian – Pacific Region Science Branch*

- Provide clinical services; serve on the DFO Pacific Region Animal Care Committee - review proposed research with respect to the humane treatment of research animals; develop appropriate endpoints for animal studies; train animal users

2000-2003                      Northgate Veterinary Clinic                      Seattle, WA  
*Companion Animal Veterinarian*

- Veterinary duties as required, including: history taking, physical examinations, determining appropriate diagnostic tests and interpreting results, soft tissue and orthopaedic surgeries, client education, emergency medicine, necropsies, supervision of technical and kennel staff, etc.

## EDUCATION

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2003-2008                      Atlantic Veterinary College                      Charlottetown, PE  
*Master of Science*                      Salmonid Pathology specialization

1996-2000                      Atlantic Veterinary College                      Charlottetown, PE  
*Doctor of Veterinary Medicine*

1984-1989                      University of Prince Edward Island                      Charlottetown, PE  
*Bachelor of Science*                      Biology major

## PUBLICATIONS

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**MacWilliams, C.** 2008. Pathogenesis of Infectious Salmon Anaemia Virus (ISAV) in Rainbow Trout (*Oncorhynchus mykiss*). MSc Thesis, pp 125.

**MacWilliams, C.,** G. Johnson, D. Groman, and F.S.B. Kibenge. 2007. Fatal infectious salmon anaemia virus (ISAV) experimental infection in rainbow trout, *Onchorhynchus mykiss* (Walbaum). *Diseases of Aquatic Organisms* 78(1):1–12.

Mustafa, A., J. Bower, **C. MacWilliams**, N. Fernandez, G. Conboy, and J. F. Burka.. 2000. Effects of sea lice (*Lepeophtheirus salmonis* Kröyer, 1837) infestation on macrophage functions in Atlantic salmon (*Salmo salar* L.). *Fish & Shellfish Immunology* 10:47-59.

Sturz, A.V., H.W. Johnston, and **C.K. MacWilliams**. 1995. Weed hosts of *Rhizoctonia solani* in Prince Edward Island. *Canadian Journal of Plant Pathology* 17:346-352.

#### PROFESSIONAL MEMBERSHIPS AND WORKING GROUPS

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College of Veterinarians of British Columbia (CVBC)  
Canadian Veterinary Medical Association (CVMA)  
Association of Aquaculture Veterinarians of British Columbia (AAVBC)  
American Fisheries Society (AFS)  
Canadian Association of Laboratory Animal Medicine (CALAM)

DFO Pacific Region Animal Care Committee (PRACC)  
National Fish Health for Aquaculture Working Group  
Pacific Northwest Fish Health Protection Committee (PNFHPC)