

# DEREK PRICE

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## EDUCATION

**PhD** Veterinary Epidemiology. University of Prince Edward Island. 2017  
Thesis: *Improving the prevention and control of piscirickettsiosis in Chile.*  
Supervisors: Sophie St-Hilaire, DVM, MSc, PhD - Javier Sánchez, DVM, PhD

**DVM.** Universidad Austral de Chile. 1998  
Thesis: *Detection of the Feline leukemia virus antigen and Feline immunodeficiency virus antibody in cats in the city of Valdivia.* Supervisor: Germán Reinhardt, DVM, Dr.med.vet.

## PROFESSIONAL EXPERIENCE

**Postdoctoral Fellow.** Canada Excellence Chair in Aquatic Epidemiology. 2017 – Present  
Atlantic Veterinary College, UPEI, Charlottetown, Canada.

- Studied the spread of ISAV using a simulation model.
- Assessed the infectivity of SRS using a discrete-time survival model.
- Investigated tissue concentration of Emamectine benzoate during oral treatments.

**Fresh Water Veterinarian.** Invermar S.A., Puerto Montt, Chile. 2010 – 2013

- Established disease prevention policies and control strategies for three hatcheries and two lake sites.
- Supervised several rearing contracts.
- Produced over 10 million Atlantic salmon, coho salmon, and rainbow trout smolts per year.

**Chief of Veterinary Services.** Aquagestion S.A., Puerto Montt, Chile. 2009 – 2010

- Lead team of 5 veterinarians and over 10 field technicians offering diagnostic services in aquaculture.
- Supervised branch offices in Santiago, Temuco, Puerto Montt, Puerto Aysén, and Punta Arenas.
- Provided technical support for clients and participated in applied research projects.

**Fresh Water Veterinarian.** Cultivos Yadrán S.A., Quellón, Chile. 2007 – 2008.

- Coordinated and supervised activities such as vaccinations, sampling for official health control programs.
- Provided veterinary services for two hatcheries, one lake site, and several rearing contracts.

**Health manager.** Cía. Salmonífera Dalcahue Ltda., Dalcahue, Chile. 2006 – 2007

- Established health policies and supervised health management for five hatcheries and one lake site to comply with sanitary and environmental regulations.
- Provided rearing services for other companies producing over 15 million smolts and fry every year.

**Fresh Water Veterinarian.** Cultivos Marinos Chiloé Ltda., Ancud, Chile. 2003 – 2006

- Supervised fish health for four hatcheries and one lake site as well as a number of rearing contracts.
- Designed and established prevention and control plans for diseases in fresh water stage.
- Assisted the Fresh Water production manager in planning and control of production and expenses.
- Maintained traceability database for the quality assurance department.

**Laboratory Technician and Technical Support.** Biovac S.A., Puerto Aysén, Chile. 2000 – 2002

- Carried out laboratory assays such as ELISA, IFAT, RT-PCR, and culture of bacteria and virus.
- Provided veterinary services for fresh water and seawater farms in the Aysén Region.

## PEER-REVIEWED PUBLICATIONS

**Price, D.,** Sánchez, J., Ibarra, R., St-Hilaire, S., 2018. **Variation in the concentration of antibiotics in tissue during oral antibiotic treatments in farmed salmonids.** *Aquaculture*.

St-Hilaire, S., Notfall, S., **Price, D.,** Boyce, B., Morrison, D. 2018. **Evaluating the concentration of emamectin benzoate in Atlantic salmon tissues after sea lice treatments.** *Prev. Vet. Med.*

Gautam, R., Gardner, I.A., Klotins, K., Revie, C., Vanderstichel, R., **Price, D.,** Beattie, M., Gustafson, L. 2018. **Risk-ranking of Atlantic salmon (*Salmo salar*) farms to minimize spread of infectious salmon anaemia virus (ISAv) among neighbouring marine sites in eastern Canada and the United States.** *Prev. Vet. Med.*

**Price, D.,** Sánchez, J., McClure, J., McConkey, S., Ibarra, R., St-Hilaire, S., 2018. **Assessing concentration of antibiotics in tissue during oral treatments against piscirickettsiosis.** *Prev. Vet. Med.* 156, 16-21.

**Price, D.,** Ibarra, R., Sánchez, J., St-Hilaire, S., 2017. **A retrospective assessment of the effect of fallowing on piscirickettsiosis in Chile.** *Aquaculture* 473, 400–406.

**Price, D.,** Stryhn, H., Sánchez, J., Ibarra, R., Tello, A., St-Hilaire, S., 2016. **Retrospective analysis of antibiotic treatments against piscirickettsiosis in farmed Atlantic salmon *Salmo salar* in Chile.** *Dis. Aquat. Org.* 118, 227–35.

St-Hilaire, S., **Price, D.,** Taylor, S., Groman, D., 2015. **Treatment of diplomonad intestinal parasites with magnesium sulphate at a commercial rainbow trout (*Oncorhynchus mykiss*) facility.** *Can. Vet. J.* 56, 876–8.

## CERTIFICATIONS

**HACCP auditor.** SERNAPESCA. Puerto Montt, Chile. 2010

**ISO-NCh 17025 Of. 2005 auditor.** Instituto de Salud Pública. Puerto Montt, Chile. 2009

## SKILLS

**Languages:** Spanish (native), English (fluent).

**Programming:** R, Stata, Bash, L<sup>A</sup>T<sub>E</sub>X, Markdown.

**Other Software:** GIT, QGIS, AnyLogic, MLWin, MS-Office, FishTalk.

## COMMUNITY SERVICE

**Vice President,** Home & School Board, Parkdale Elementary. Charlottetown, PE, Canada. 2017 – Present

**President,** Veterinary student association. Universidad Austral de Chile, Valdivia, Chile. 1994 – 1995