CV highlights: Professor A. P. Farrell, Ph.D., Dir. Fil. h.c., FRC (email: tony.farrell@mail.ubc.ca)

My academic career began with a Honours degree (1st) in Biology at Bath University, UK (1974) and continued in Zoology at the University of British Columbia (Ph.D., 1979). I held an American Heart Association PDF in the Medical School at the University of Southern California, Los Angeles (1979-80) before holding faculty positions in Biology at Mount Allison University (1980-84) and then in Biological Sciences at Simon Fraser University (1984-2004). I returned to UBC in 2004 holding an endowed research chair before accepting  a Canada Research Chair Tier I in 2010 in the Faculty of Land and Food Systems, University of British Columbia.  I was UBC’s inaugoral Associate Dean for Postdoctoral Fellows (2009-2013) and President of the Society for Experimental Biologists, UK (2013-2015).

My research aims to understand cardiorespiratory systems, especially fish, and apply comparative animal physiology to real world situations.  I am fascinated by how these systems are controlled and how their function is affected by the surrounding environment. My research program has contributed over 400 refereed publications (h-factor = 53; ~1000 citations annually), 23 co-authored books, 1 co-edited *Encyclopedia of Fish Physiology*, 13 book chapters (including *Handbook of Physiology*) and 11 technical reports.

I have been awarded: an Honorary Doctorate of Science by the University of Göteborg, Sweden (2000) and the highest honours of the Canadian Society of Zoologists (Fry Medal in 2009), the Fisheries Society of the British Isles (Beverton Medal in 2010) and the American Fisheries Society (Award of Excellence in 2015). I also received the Murray A. Newman Awards from the Vancouver Aquarium and Marine Science Centre for Significant Achievement in Aquatic Research and Conservation (2002), and Awards of Excellence from the American Fisheries Society for Fisheries Management and Conservation (2005) and for Fish Physiology (2006).

I serve as an Assistant Editor with the *J. Fish Biology, as* a Section Editor for Fish Physiology with *Aquaculture* and on the Editorial Boards of *Conservation Physiology* and the *Canadian J. Zoology,* as well as previously the *American J. Physiology* and*Physiological Biochemical Zoology*.

**Some highlighted publications**

Munoz, NJ, AP Farrell, JW Heath & BD Neff. 2015. Adaptive potential of a Pacific salmon challenged by climate change. *Nature Climate Change* **5**:163–166.

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Eliason, EJ, TD Clark, MJ Hague, LM Hanson, ZS Gallagher, KM Jeffries, MK Gale, DA Patterson, SG Hinch & AP Farrell. 2011. Differences in thermal tolerance among sockeye salmon populations. *Science* **332**: 109-112.

Miller, KM, S Li, K Kaukinen, N Ginther, E Hammill, JMR Curtis, D Patterson, T Siercinski, L Donnison, P Pavlidis,SG Hinch, KA Hruska,SJ Cooke, KK English & AP Farrell. 2011. Genomic signatures predict migration and spawning failure in wild Canadian salmon. *Science* **331**: 214-217

Pörtner, HO & AP Farrell. 2008. Physiology and climate change. *Science* **322**: 690-692.

Naylor, RL, RW Hardy, DP Bureau, A Chiu, M Elliot, AP Farrell, I Forster, D. Gatlin, RJ Goldburgh, K Hua & PD Nichols. 2009. Feeding aquaculture in an era of finite resources. *PNAS* **106**: 15103-15110.

Farrell, AP 2007. Cardiorespiratory performance during prolonged swimming tests with salmonids: a perspective on temperature effects and potential analytical pitfalls. *Phil Trans R Soc* B. **362**: 2017-2030.

Stecyk, JAW, K-O Stensløkken, AP Farrell & GE Nilsson. 2004. Maintained cardiac pumping in anoxic crucian carp. *Science* **306**: 77.