

March 31, 2011

## Simon Richard Macrae Jones

tel: 250-729-8351

fax: 250-756-7053

e-mail: [simon.jones@dfo-mpo.gc.ca](mailto:simon.jones@dfo-mpo.gc.ca)

### ACADEMIC QUALIFICATIONS

<b>Ph.D.</b>	1990	University of Guelph	Immunoparasitology
<b>M.Sc.</b>	1986	University of Guelph	Immunoparasitology
<b>B.Sc.</b>	1982	University of Guelph	Marine Biology

### PROFESSIONAL APPOINTMENTS

2000–pres:	Research Scientist, Fisheries and Oceans Canada, Pacific Biological Station, Nanaimo.
2003–pres:	Adjunct Assistant Professor, Department of Biology, University of Victoria
2009–pres:	Adjunct Professor, Department of Fisheries and Aquaculture, Vancouver Island University.
1994–2000:	Senior Research Scientist, Aqua Health Ltd., Charlottetown.
1994–2008:	Adjunct Graduate Faculty: Department of Pathology and Microbiology, Atlantic Veterinary College, Charlottetown.
1992–1994:	NSERC Industrial Research Fellow, Aqua Health Ltd., Charlottetown.
1992–1994:	Adjunct Professor, Department of Zoology, University of Guelph, Guelph.
1991–1992:	NSERC Postdoctoral Research Fellow, Department of Microbiology, University of Guelph.
1990–1991:	NSERC Postdoctoral Research Fellow, Department of Experimental Animal Morphology and Cell Biology, Agricultural Univ., Wageningen, The Netherlands.
1983–1990:	Laboratory Instructor and Teaching Assistant. Department of Zoology, University of Guelph.

### PUBLICATIONS IN REFEREED JOURNALS

1. King, J., S. Jones, C. Abbot & S. McFarlane. 2011. Stock delineation of migratory and resident Pacific hake in Canadian waters. *Fisheries Research* doi:10.1016/j.fishres.2010.12.024.
2. Beamish, R., Gordon, E., Wade, J., Pennell, B., Neville, C., Lange, K., Sweeting, R., & Jones, S. 2011. The Winter Infection of Sea Lice on Salmon in Farms in a Coastal Inlet in British Columbia and Possible Causes. *Journal of Aquaculture Research Development* 2:107. doi:10.4172/2155-9546.1000107.
3. Jones, S.R.M., G. Prosperi-Porta & S.E. LaPatra. 2010. First isolation of *Pseudocohnilembus persalinus* (Ciliophora: Scuticociliatida) from freshwater-reared rainbow trout, *Oncorhynchus mykiss*. *Journal of Parasitology* 96: 1014-1016.
4. Connors, B.M., N.B. Hargreaves, S.R.M. Jones & L.M. Dill. 2010. Predation intensifies parasite exposure in a salmonid food chain. *Journal of Applied Ecology* 47: 1365-1371.
5. Nowak, B.F., J. Bryan & S.R.M. Jones. 2010. Do salmon lice *Lepeophtheirus salmonis* have a role in the epidemiology of amoebic gill disease caused by *Neoparamoeba perurans*? *Journal of Fish Diseases* 33: 683-687.

March 31, 2011

6. Braden, L.M., G. Prosperi-Porta, E. Kim & S.R.M. Jones. 2010. *Tetracapsuloides bryosalmonae* in spawning pink salmon, *Oncorhynchus gorbuscha*, in the Quinsam River, British Columbia, Canada. *Journal of Fish Diseases* 33: 617-621.
7. Beamish, R., J. Wade, W. Pennell, E. Gordon, S. Jones, C. Neville, K. Lange & R. Sweeting. 2009. A large, natural infection of sea lice on juvenile Pacific salmon in the Gulf Islands area of British Columbia, Canada. *Aquaculture* 297: 31-37.
8. Jones, S.R.M. 2009. Controlling salmon lice on farmed salmon and implications for wild salmon. *CAB Reviews: Perspectives in Agriculture, Veterinary Sciences, Nutrition and Natural Resources* 4 (048) doi: 10.1079/PAVSNNR20094048.
9. Jones, S.R.M. & N.B. Hargreaves. 2009. Infection threshold to estimate *Lepeophtheirus salmonis* associated mortality among juvenile pink salmon. *Diseases of Aquatic Organisms* 84: 131-137.
10. Yazawa, R., M. Yasuike, J. Leong, G.A. Cooper, M. Beetz-Sargent, A. Robb, R. Holt, R. Moore, W.S. Davidson, S.R.M. Jones & B.F. Koop. 2008. EST and mitochondrial DNA sequences support a distinct Pacific form of salmon louse, *Lepeophtheirus salmonis*. *Marine Biotechnology* 10:741-749.
11. Crossin, G.T., S.G. Hinch, S.J. Cooke, D.W. Welch, D.A. Patterson, A.G. Lotto, R.A. Leggatt, S.R.M. Jones, M.T. Mathes, J.M. Shrimpton, G. Van Der Kraak & A.P. Farrell. 2008. Exposure to high temperature influences the behaviour, physiology, and survival of sockeye salmon during spawning migration. *Canadian Journal of Zoology* 86: 127-140.
12. Brooks, K.M., & S.R.M. Jones. 2008. Perspectives on pink salmon and sea lice: scientific evidence fails to support the extinction hypothesis. *Reviews in Fisheries Science* 16(4): 403-412.
13. Jones, S., E. Kim & W. Bennett. 2008. Early development of resistance to the salmon louse *Lepeophtheirus salmonis* (Krøyer) in juvenile pink salmon *Oncorhynchus gorbuscha* (Walbaum). *Journal of Fish Diseases* 31:591-600.
14. Jones, S.R.M., M.D. Fast, & S.C. Johnson. 2008. Influence of reduced feed ration on *Lepeophtheirus salmonis* infestation and inflammatory gene expression in juvenile pink salmon. *Journal of Aquatic Animal Health* 20:103-109.
15. Young, C., F. Silversides, & S.R.M. Jones. 2007. Chicken-derived IgY recognizes developing and mature stages of *Loma salmonae* (Microsporidia) in Pacific salmon, *Oncorhynchus* spp. *Aquaculture* 273:398-404.
16. Jones, S.R.M. & N. B. Hargreaves. 2007. The abundance and distribution of *Lepeophtheirus salmonis* (Copepoda: Caligidae) on pink *Oncorhynchus gorbuscha* and chum *O. keta* salmon in coastal British Columbia. *Journal of Parasitology* 93:1324-1331.
17. Funk, V., Raap, M., Sojonky, K., Jones, S., Robinson, J., Falkenberg, K. & Miller, K. 2007. Development of an RNA and DNA based quantitative PCR assay for detection and quantitation of *Kudoa thyrsites* in Atlantic salmon (*Salmo salar* L.). *Diseases of Aquatic Organisms* 75:239-249.
18. Beamish, R.J., C.M. Neville, R.M. Sweeting, S.R.M. Jones, N. Ambers, E.K. Gordon, K.L. Hunter, T.E. McDonald & S.C. Johnson. 2007. A proposed life history strategy for the salmon louse, *Lepeophtheirus salmonis* in the subarctic Pacific Ocean. *Aquaculture* 264: 428-440.
19. Trudel, M., Jones, S.R.M., Thiess, M.E., Morris, J.F.T., Welch, D.W., Sweeting, R.M., Moss, J.H., Wing, B.L., Farley Jr., E.V., Murphy, J.M., Baldwin & R.E. Jacobson, K.C.

March 31, 2011

2007. Infestation of motile salmon lice on Pacific salmon along the west coast of North America. American Fisheries Society Symposium Series 57: 157-182.
20. Jones, S.R.M., Fast, M.D., Johnson, S.C., Groman, D.B. 2007. Differential rejection of *Lepeophtheirus salmonis* by pink and chum salmon: disease consequences and expression of proinflammatory genes. Diseases of Aquatic Organisms 75: 229-238.
21. Ikonomou, M.G., Higgs, D.A., Gibbs M., Oakes J., Skura B, McKinley S., Balfry S.K., Jones S., Withler R., & Dubetz C. 2007. Flesh Quality of Market-Size Farmed and Wild British Columbia Salmon. Environmental Science and Technology 41: 437-443.
22. Fast, M.D., Johnson, S.C. & Jones, S.R.M. 2007. Differential expression of the proinflammatory cytokines IL-1 $\beta$ -1, TNF $\alpha$ -1 and IL-8 in vaccinated pink (*Oncorhynchus gorbuscha*) and chum (*Oncorhynchus keta*) salmon juveniles. Fish and Shellfish Immunology 22:403-407.
23. Beamish, R.J., Jones, S., Neville, C., Sweeting, R., Karreman, G., Saksida, S. & Gordon, E. 2006. Exceptional production of pink salmon in 2003/2004 indicates that farmed salmon and wild Pacific salmon can coexist successfully in a marine ecosystem on the Pacific coast of Canada. ICES Journal of Marine Science 63: 1326-1337.
24. Jones, S.R.M., Prosperi-Porta, G. & Dawe, S. 2006. A new parvicapsulid (Myxosporea) species in adult pink salmon, *Oncorhynchus gorbuscha* from the Quinsam River, British Columbia, Canada. Journal of Parasitology 92:1313-1318.
25. Jones, S.R.M., Kim, E. & Dawe, S. 2006. Experimental infections with *Lepeophtheirus salmonis* (Kroyer) on threespine sticklebacks, *Gasterosteus aculeatus* L. and juvenile Pacific salmon, *Oncorhynchus* spp. Journal of Fish Diseases 29:489-495.
26. Jones, S.R.M., G. Prosperi-Porta, E. Kim, P. Callow & N.B. Hargreaves. 2006. The occurrence of *Lepeophtheirus salmonis* and *Caligus clemensi* (Copepoda: Caligidae) on threespine stickleback *Gasterosteus aculeatus* in coastal British Columbia. Journal of Parasitology 92: 473-480.
27. Wagner, GN, S.G. Hinch, L. Kuchel, A. Lotto, S.R.M. Jones, D.A. Patterson, J.S. Macdonald, G. Van der Kraak, M. Shrimpton, K. English, S. Larsson, S.J. Cooke, M.C. Healey & A.P. Farrell. 2005. Metabolic rates and swimming performance of adult Fraser River sockeye salmon (*Oncorhynchus nerka* Walbaum) after a controlled infection with *Parvicapsula minibicornis*. Canadian Journal of Fisheries and Aquatic Sciences 62: 2124-2133.
28. Taylor, K. & S.R.M. Jones. 2005. An enzyme-linked immunosorbent assay for the detection of *Kudoa thyrsites* in Atlantic salmon *Salmo salar*. Aquaculture 250: 8-15.
29. Young, C.A. & S.R.M. Jones. 2005. Epitopes associated with mature spores not recognized on *Kudoa thyrsites* from recently infected Atlantic salmon smolts. Diseases of Aquatic Organisms 63: 267-271.
30. Jones, S. R. M., and A. Nemec. 2004. Pink salmon action plan: sea lice on juvenile salmon and some non-salmonid species in the Broughton Archipelago in 2003. Canadian Science Advisory Secretariat Research Document 2004/105. Fisheries and Oceans Canada. 87p.
31. Funk, V.A., S. Wu, C. Young, H. Kreiberg, K. Taylor & S.R.M. Jones. 2004. The effect of IP vaccination and SW entry on immunocompetence and susceptibility to *Kudoa thyrsites* in Atlantic salmon (*Salmo salar*). Fish and Shellfish Immunology 17: 375-387.
32. Rise, M.L., S.R.M. Jones, G.D. Brown, K.R. von Schalburg, W.S. Davidson, & B. F. Koop. 2004. Microarray analyses identify molecular biomarkers of Atlantic salmon macrophage



March 31, 2011

- and hematopoietic kidney response to *Piscirickettsia salmonis* infection. *Physiological Genomics* 20: 21-35.
33. Jones, S.R.M., G. Prosperi-Porta, S. Dawe, J. Blackburn, K. Taylor, G. Lowe & A. Osborn. 2004. Proliferative renal myxosporidiosis in adult coho salmon (*Oncorhynchus kisutch*) in British Columbia and Washington. *Folia Parasitologica* 51: 221-227.
34. Bower, S.M., R.B. Carnegie, B. Goh, S.R.M. Jones, G. Lowe & M. Mak. 2004. Preferential amplification of parasitic protistan small subunit rDNA from metazoan tissues. *Journal of Eukaryotic Microbiology* 51: 325-332.
35. Jones, S.R.M., G. Prosperi-Porta, S. Dawe, K. Taylor, B. Goh. 2004. *Parvicapsula minibicornis* in anadromous sockeye (*Oncorhynchus nerka*) and coho (*Oncorhynchus kisutch*) salmon from tributaries of the Columbia River. *Journal of Parasitology* 90: 882-885.
36. Rise, M.L., K. R. von Schalburg, G.D. Brown, M.A. Mawer, R.H. Devlin, N. Kuipers, M. Busby, M. Beetz-Sargent, R. Alberto, A.R. Gibbs, P. Hunt, R. Shukin, J.A. Zeznik, C. Nelson, S.R.M. Jones, D.E. Smailus, S. J. M. Jones, J.E. Schein, M.A. Marra, Y. S. N. Butterfield, J. M. Stott, S. Ng, W. S. Davidson & B.F. Koop. 2004. Development and application of a salmonid EST database and cDNA microarray: data mining and interspecific hybridization characteristics. *Genome Research* 14: 478-490.
37. Cooke, S.J., S.G. Hinch, A.P. Farrell, M. Lapointe, S.R.M. Jones, S. Macdonald, D. Patterson, M.C. Healey, G. Van Der Kraak. 2004. Abnormal migration timing and high enroute mortality of sockeye salmon in the Fraser River, British Columbia. *Fisheries* 29: 22-33.
38. Jones, S.R.M., B. Goh & G. Prosperi-Porta. 2003. Duration and method of fixation affects the sensitivity of a digoxigenin-labelled DNA probe in detecting *Kudoa thyrsites* in Atlantic salmon skeletal muscle. *Aquaculture* 220: 157-164.
39. Jones, S.R.M., G. Prosperi-Porta, S.M. Dawe & D. Barnes. 2003. The distribution, prevalence and severity of *Parvicapsula minibicornis* infections among anadromous salmonids in the Fraser River, British Columbia, Canada. *Diseases of Aquatic Organisms* 54: 49-54.
40. Criscione, C.D., V. Watral, C.M. Whipps, M.S. Blouin, S.R.M. Jones, & M.L. Kent. 2002. Ribosomal DNA sequences indicate isolated populations of *Ichthyophonus hoferi* in geographic sympatry in the northeastern Pacific Ocean. *Journal of Fish Diseases* 25: 575-582.
41. Jones, S.R.M. & S.C. Dawe. 2002. *Ichthyophonus hoferi* in British Columbia stocks of Pacific herring (*Clupea harengus pallasii*) and its infectivity to chinook salmon (*Oncorhynchus tshawytscha*). *Journal of Fish Diseases* 25: 415-422.
42. St-Hilaire, S., M. Burrows, M. Higgins, D. Barnes, R. Devlin, R. Withler, J. Khattra, S. Jones & D. Kieser. 2002. Epidemiology of *Parvicapsula minibicornis* in Fraser River sockeye salmon. *Journal of Fish Diseases* 25: 107-120.
43. Cusack, R.R., D.B. Groman & S.R.M. Jones. 2002. The first case of rickettsial infections in farmed Atlantic salmon in eastern North America. *The Canadian Veterinary Journal* 43: 435-440.
44. Jones, S.R.M. & D.B. Groman. 2001. Cohabitation transmission of infectious salmon anaemia virus among freshwater-reared Atlantic salmon (*Salmo salar*). *Journal of Aquatic Animal Health* 13: 340-346.
45. Jones, S.R.M. 2001. The occurrence and mechanisms of innate immunity against parasites in



March 31, 2011

- fish. *Developmental and Comparative Immunology* 25: 841-852.
46. Ritchie R.J., J. Heppell, M.B. Cook, S. Jones & S.G. Griffiths. 2001. Identification and characterization of segments 3 and 4 of the ISAV genome. *Virus Genes* 22: 289-297.
  47. Kent, M.L., V. Watral, S.C. Dawe, P. Reno, J.R. Heidel & S.R.M. Jones. 2001. *Ichthyophonus* and *Mycobacterium*-like bacterial infections in commercially-important rockfish, *Sebastes* spp., in the eastern North Pacific Ocean. *Journal of Fish Diseases* 24: 427-431.
  48. Sanchez, J.G., D.J. Speare, R.J.F. Markham & S.R.M. Jones. 2001. Isolation of a *Loma salmonae* variant with preference for salmonids of the genus *Salvelinus*. *Journal of Fish Biology* 59: 427-441.
  49. Sanchez, J.G., D.J. Speare, R.J.F. Markham & S.R.M. Jones. 2001. Experimental vaccination against *Loma salmonae* using a low virulence variant of *L. salmonae*. *Journal of Fish Biology* 59: 442-448.
  50. Jones, S.R.M., A.M. MacKinnon & K. Salonijs. 1999. Vaccination of freshwater-reared Atlantic salmon reduces mortality associated with infectious salmon anemia virus. *Bulletin of the European Association of Fish Pathologists* 19(3): 98-101.
  51. Jones, S.R.M., A.M. MacKinnon & D.B. Groman. 1999. Virulence and pathogenicity of infectious salmon anemia virus isolated from farmed salmon in Atlantic Canada. *Journal of Aquatic Animal Health* 11:400-405.
  52. Speare, D.J., H.J. Beaman, S.R.M. Jones, R.J.F. Markham & G.J. Arsenault. 1998. Induced resistance in rainbow trout to gill disease associated with the microsporidian gill parasite *Loma salmonae*. *Journal of Fish Diseases* 21, 93-100.
  53. Jones, S.R.M., R.J.F. Markham, D.B. Groman & R.R. Cusack. 1998. Virulence and antigenic characteristics of a cultured rickettsiales-like organism isolated from farmed Atlantic salmon (*Salmo salar*) in eastern Canada. *Diseases of Aquatic Organisms* 33, 25-31.
  54. Almendras, F.E., I.C. Fuentealba, S.R.M. Jones, F. Markham & E. Spangler. 1997. Experimental infection and horizontal transmission of *Piscirickettsia salmonis* in freshwater raised Atlantic salmon, *Salmo salar*. *Journal of Fish Diseases* 20, 409-418.
  55. Almendras, F.E., S.R.M. Jones & I.C. Fuentealba. 1997. In vitro infection of a cell line from *Ictalurus nebulosus* with *Piscirickettsia salmonis*. *Canadian Journal of Veterinary Research* 61, 66-68.
  56. Jones, S.R.M., G.F. Wiegertjes & W.B. van Muiswinkel. 1995. Modulation of carp (*Cyprinus carpio*) cellular immune function caused by the blood parasite, *Trypanoplasma borreli*. *Fish & Shellfish Immunology* 5, 381-383.
  57. Jones, S.R.M. & P.T.K. Woo. 1994. Morphology and infectivity of cultivated *Trypanosoma ambystomae*. *Journal of Parasitology* 80, 521-525.
  58. Jones, S.R.M. & P.T.K. Woo. 1993. The biology of *Trypanosoma burresoni* n. sp. from the American eel (*Anguilla rostrata*). *Journal of Parasitology* 79, 542-547.
  59. Jones, S.R.M., M. Palmen & W.B. van Muiswinkel. 1993. Effects of inoculum route and dose on the immune response of common carp, *Cyprinus carpio* to the blood parasite, *Trypanoplasma borreli*. *Veterinary Immunology and Immunopathology* 36, 369-378.
  60. Jones, S.R.M. & P.T.K. Woo. 1992. Antigenic characterization of cultured trypanosomes isolated from three species of fishes. *Systematic Parasitology* 23, 43-50.
  61. Jones, S.R.M. & P.T.K. Woo. 1992. Vector specificity of *Trypanosoma catostomi* and its infectivity to freshwater fishes. *Journal of Parasitology* 78, 87-92.

March 31, 2011

62. Jones, S.R.M. & P.T.K. Woo. 1991. Development and infectivity of *Trypanosoma phaleri* in leech and fish hosts. Canadian Journal of Zoology 69, 1522-1529.
63. Jones, S.R.M. & P.T.K. Woo. 1991. Culture characteristics of *Trypanosoma catostomi* and *Trypanosoma phaleri* from North American freshwater fishes. Parasitology 103, 237-243.
64. Jones, S.R.M. & P.T.K. Woo. 1990. Redescription of the leech, *Desserobdella phalera* (Graf, 1899) n. comb. (Rhynchobdellida: Glossiphoniidae), with notes on its biology and occurrence on fishes. Canadian Journal of Zoology 68, 1951-1955.
65. Jones, S.R.M. & P.T.K. Woo. 1990. The biology of *Trypanosoma phaleri* n. sp. from bowfin, *Amia calva* L. in Canada and the United States. Canadian Journal of Zoology 68, 1956-1961.
66. Jones, S.R.M. & P.T.K. Woo. 1990. *Cryptobia cataractae* from the blood of *Semotilus atromaculatus*: structure and division in the fish. Journal of Parasitology 76, 645-649.
67. Jones, S.R.M. & P.T.K. Woo. 1989. Use of kidney impressions for the detection of trypanosomes of anura. Journal of Wildlife Diseases 25, 413-415.
68. Jones, S.R.M. & P.T.K. Woo. 1986. *Trypanosoma chattoni* Mathis and Leger 1911 in *Rana pipiens* of southern Ontario: morphometrics and a description of the division process. Systematic Parasitology 9, 57-62.
69. Jones, S.R.M. & P.T.K. Woo. 1987. The immune response of rainbow trout *Salmo gairdneri* Richardson to the haemoflagellate *Cryptobia salmositica*. Journal of Fish Diseases 10, 395-402.
70. Jones, S.R.M., P.T.K. Woo & R.M.W. Stevenson. 1986. Immunosuppression in rainbow trout *Salmo gairdneri* Richardson caused by the haemoflagellate, *Cryptobia salmositica* Katz, 1951. Journal of Fish Diseases 9, 431-438.
71. Desser, S.S. & S.R.M. Jones. 1985. *Hexamita intestinalis* Dujardin in the blood of frogs from southern and central Ontario. Journal of Parasitology 71, 841.

#### NON-REFEREED PUBLICATIONS & CHAPTERS IN BOOKS

1. Jones, S.R.M. and 14 others. 2010. Report of the Working Group on Pathology and Diseases of Marine Organisms (WGPDMO), 23-27 February 2010, Uppsala, Sweden. ICES CM 2010/SSGHIE:02. 66pp.
2. Jones, S.R.M. and 17 others. 2009. Report of the Working Group on Pathology and Diseases of Marine Organisms (WGPDMO), 24-28 February 2009, Riga, Latvia. ICES CM 2009/MCC:01. 111 pp.
3. Jones, S.R.M. and 21 others. 2008. Report of the Working Group on Pathology and Diseases of Marine Organisms (WGPDMO), 4-8 March 2008, Galway, Ireland. ICES CM 2008/MCC:01. 120 pp.
4. Jones, S.R.M. and 14 others. 2007. Report of the Working Group on Pathology and Diseases of Marine Organisms (WGPDMO), 20-24 March 2007, Tenerife, Spain. ICES CM 2007/MCC:04. 93 pp.
5. Jones, S.R.M. and 18 others. 2006. Report of the Working Group on Pathology and Diseases (WGPDMO), 7-11 March 2006, ICES Headquarters, Copenhagen, Denmark. ICES CM 2006/MCC:01, Ref. ACFM, MHC. 98 pp.
6. Galbraith, M., Johnson, S. and Jones, S. 2006. Standards, protocols & guidelines for research Involving wild / cultured fish interactions with sea lice. 1 – Sea Lice Biology, Identification and Laboratory Methods. Pacific Salmon Forum Special Publication, Nanaimo, BC, 16p.
7. Fisheries and Oceans Canada 2006. A Scientific Review of the Potential Environmental



March 31, 2011

- Effects of Aquaculture in Aquatic Ecosystems. Volume IV. The Role of Genotype and Environment in Phenotypic Differentiation Among Wild and Cultured Salmonids (Wendy E. Tymchuk, Robert H. Devlin and Ruth E. Withler); Cultured and Wild Fish Disease Interactions in the Canadian Marine Environment (A.H. McVicar, G. Olivier, G.S. Traxler, S. Jones, D. Kieser and A.-M. MacKinnon); Trophic Interactions Between Finfish Aquaculture and Wild Marine Fish (Mark R.S. Johannes). Can. Tech. Rep. Fish. Aquat. Sci. 2450: x + 139 p.
8. Jones, S.R.M., Wosniok, W. & Hargreaves N.B. 2006. The salmon louse *Lepeophtheirus salmonis* on salmonid and non-salmonid fishes in British Columbia. Proceedings of the 11<sup>th</sup> Symposium of the International Society for Veterinary Epidemiology and Economics. Cairns, Australia. 7 pp.
  9. Jones, S.R.M. and 17 others. 2005. Report of the Working Group on Pathology and Diseases of Marine Organisms (WGPDMO), 8–12 March 2005, La Tremblade, France. ICES CM 2005/F:02. 106 pp.
  10. Jones, S.R.M. 2005. Efficacy of chemotherapeutics against *Kudoa thyrsites* in Atlantic salmon (*Salmo salar*) post-smolts: Intervet International b.v., Final Report, 16p.
  11. Barja J., Bower S., Bruno D., Figueras A., Ford S., Hjeltne B., Jones S., Lang T., Mellergaard S., Renault T., Wiklund T., & Vigneulle M. 2004. Trends in important diseases affecting the culture of fish and mollusks in the ICES area 1998-2002. ICES Cooperative Research Report No. 265.
  12. Lapointe M., Cooke S.J., Hinch S.G., Farrell A.P., Jones S., MacDonald S., Patterson D., Healey M.C. & Van Der Kraak, G. 2003. Late-run Sockeye Salmon in the Fraser River, British Columbia, are Experiencing Early Upstream Migration and Unusually High Rates of Mortality--What is Going On? In T.W. Droscher and D.A. Fraser (eds). Proceedings of the 2003 Georgia Basin / Puget Sound Research Conference. 14 pp. (on-line: [http://www.psat.wa.gov/Publications/03\\_proceedings/SESSIONS/SESS\\_5C.htm](http://www.psat.wa.gov/Publications/03_proceedings/SESSIONS/SESS_5C.htm)).
  13. Kent, M.L., C. Criscone, C. Whipps, V. Watral, M. Blouin, S.M. Jones & S.C. Dawe. 2002. rDNA sequences indicates that *Ichthyophonus* from rockfish is different from those of Pacific herring and chinook. American Fisheries Society Fish Health Newsletter 30(2): 22-23.
  14. Jones, S.R.M. 2001. Plasmids in Fish Vaccination. In: Plasmids for therapy and vaccination. (ed. M. Schleef), Wiley-VCH, Weinheim, pp. 169-191.
  15. Jones, S.R.M., R.M.W. Stevenson & W.D. Paterson. 1994. Proliferation of rainbow trout (*Oncorhynchus mykiss*) lymphocytes in response to the bacterial pathogen, *Yersinia ruckeri*. Bulletin of the Aquaculture Association of Canada 93(4), 93-95.
  16. Jones, S.R.M. 1990. The biology of piscine trypanosomes in southern Ontario. Ph.D. Thesis, University of Guelph.
  17. Woo, P.T.K. & S.R.M. Jones. 1989. The piscine immune system and the effects of parasitic protozoans on the immune response. In: Current Concepts in Parasitology (ed. R. Ko), University of Hong Kong Press, Hong Kong. pp. 47-64.
  18. Jones, S.R.M. 1986. The effects of *Cryptobia salmositica* on the immune response in *Salmo gairdneri*. M.Sc., University of Guelph.

## ABSTRACTS & PRESENTATIONS



March 31, 2011

1. Jones, S.R.M. 2010. Innate immunity to the salmon louse, *Lepeophtheirus salmonis* among salmonids. Workshop of the Danish Fish Immunology Network (DAFINET). Invited paper.
2. Jones, S.R.M., G. Prosperi-Porta, E. Kim. 2010. Diversity of microsporidia among marine parasitic copepods (Caligidae) in the northeast Pacific Ocean. Sixth International Symposium on Aquatic Animal Health, Tampa, Florida, U.S.A. Contributed paper.
3. Jones, S.R.M. 2010. Worms, germs and sea lice: an overview of fish disease research in British Columbia. University of Tasmania, Launceston, Tasmania, Australia. Invited paper.
4. Jones, S.R.M. 2010. Risk of mortality to juvenile pink salmon caused by the salmon louse, *Lepeophtheirus salmonis*. University of Queensland, Brisbane, Australia. Invited paper.
5. Jones, S.R.M. 2010. Attractions and rejections: exploring host specificity among salmon using the model ectoparasitic copepod *Lepeophtheirus salmonis*. The XII<sup>th</sup> International Congress of Parasitology. Melbourne, Australia. Invited paper.
6. Jones, S.R.M., G. Prosperi-Porta, E. Kim. 2010. Microsporidian diversity among marine parasitic copepods (Caligidae) in the northeast Pacific Ocean. The XII<sup>th</sup> International Congress of Parasitology. Melbourne, Australia. Contributed poster.
7. Braden, L.M., S.R.M. Jones, B. Koop, D. Barker. 2010. Differences in immune gene expression due to adult *Lepeophtheirus salmonis* infection in Atlantic (*Salmo salar*), chum (*Oncorhynchus keta*) and pink (*O. gorbuscha*) salmon. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed paper.
8. Connors, B.M., N.B. Hargreaves, S.R.M. Jones, L.M. Dill. 2010. Evidence of sea louse trophic transmission in coastal British Columbia. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed paper.
9. Jantzen, S.G., B.J.G. Sutherland, D.S. Sanderson, S.R.M. Jones, B.F. Koop. 2010. Sea lice (*Lepeophtheirus salmonis*) transcriptional responses to gradients of salinity, temperature, and emamectin benzoate. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed poster.
10. Jones, S.R.M., G. Prosperi-Porta, E. Kim. 2010. The diversity of *Lepeophtheirus* spp. on three-spined stickleback (*Gasterosteus aculeatus* L.) and juvenile Pacific salmon in coastal British Columbia. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed paper.
11. Lubieniecki, K.P., E.A. Davidson, S.R.M. Jones, B.F. Koop, W.S. Davidson. 2010. Genetic characterization of sea louse (*Lepeophtheirus salmonis*) populations from Pacific and Atlantic Ocean. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed poster.
12. Pert, C.C., L. Asplin, S.R.M. Jones, P. O'Donohoe, S.M. Saksida, K. Kroon Boxaspen. 2010. The use of sentinel cages to investigate infection pressure from sea lice in Scotland, Canada, Norway and Ireland. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed poster.
13. Sutherland, B.J.G., S. Jantzen, D. Sanderson, E. Kim, S.R.M. Jones, B.F. Koop. 2010. Understanding the varying sensitivities of salmon to *Lepeophtheirus salmonis* infections. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed poster.
14. Yasuike, M., J. Leong, S. Jantzen, K.R. von Schalburg, W.S. Davidson, W. Kay, F. Nilsen, S.R.M. Jones, B.F. Koop. 2010. Genomic resources for sea lice: analysis of genome sequence, ESTs and mitochondrial genomes. 8<sup>th</sup> International Sea Lice Conference, Victoria, B.C., Canada. Contributed poster.

March 31, 2011

15. Jones, S.R.M. 2010. Contribution of genomics in understanding host pathogen-interactions in salmon. Curso Chile – Canada – ICGEB, Genómica de Peces y sus Patógenos, Santiago, Chile. Invited seminar.
16. Jones, S.R.M. 2010. Structure, function and genomic diversity among parasitic copepods in British Columbia. Curso Chile – Canada – ICGEB, Genómica de Peces y sus Patógenos, Santiago, Chile. Invited seminar.
17. Jones, S.R.M., N.B. Hargreaves. 2009. Estimating salmon louse (*Lepeophtheirus salmonis*) associated mortality among juvenile pink salmon (*Oncorhynchus gorbuscha*) in western Canada. ICES Annual Science Conference, Berlin, Germany. Contributed paper.
18. Jones, S.R.M. 2009. Mortality risk to juvenile pink salmon caused by the salmon louse *Lepeophtheirus salmonis*. 26<sup>th</sup> Annual Meeting of the Aquaculture Association of Canada. Nanaimo, British Columbia. Contributed paper.
19. Sutherland, B, G.A. Cooper, S.R.M. Jones, B.F. Koop. 2009. Transcriptomic responses of juvenile pink salmon (*Oncorhynchus gorbuscha*) following exposure to the salmon louse (*Lepeophtheirus salmonis*). 26<sup>th</sup> Annual Meeting of the Aquaculture Association of Canada. Nanaimo, British Columbia. Contributed paper.
20. C.L. Abbott, S.R. Gilmore, S.K. King, S.R.M. Jones, D.K. Cone. 2009. Molecular phylogeny of North American *Gyrodactylus*: evidence of multiple speciation mechanisms in these prolific monogeneans. 14<sup>th</sup> International Conference of the EAFP, Prague, Czech Republic. Contributed poster.
21. Jones, S., I. Fiala, M. House, S. Mumford. 2009. A new sphaerosporid myxosporean from the kidney of land-locked sockeye salmon (*Oncorhynchus nerka*) in Washington State, U.S.A. 14<sup>th</sup> International Conference of the EAFP, Prague, Czech Republic. Contributed paper.
22. Jones, S, E. Kim, G. Prosperi-Porta, L. Braden, B. Nowak. 2009. Does the salmon louse *Lepeophtheirus salmonis* affect the epidemiology of *Neoparamoeba perurans*, causative agent of amoebic gill disease? 14<sup>th</sup> International Conference of the EAFP, Prague, Czech Republic. Contributed poster.
23. Jones, S.R.M. 2009. Infection threshold to estimate *Lepeophtheirus salmonis* associated mortality among juvenile pink salmon *Oncorhynchus gorbuscha*. 14<sup>th</sup> International Conference of the EAFP, Prague, Czech Republic. Contributed poster.
24. Jones, S.R.M., G. Prosperi-Porta, E. Kim, L. Braden. 2009. *Tetracapsuloides bryosalmonae* in spawning pink salmon *Oncorhynchus gorbuscha* in the Quinsam River, British Columbia. 14<sup>th</sup> International Conference of the EAFP, Prague, Czech Republic. Contributed poster.
25. Jones, S.R.M. 2009. Molecular and genetic research on the pathogens affecting productivity in salmon aquaculture: benefits and pitfalls. Taller sobre Patógenos que afectan la Productividad Agrícola. Universidad de Chile, Santiago, Chile. Invited seminar.
26. Jones, S.R.M., N.B. Hargreaves. 2008. The effects of salinity, temperature and infection with *Lepeophtheirus salmonis* (Krøyer) on the abundance of *Caligus clemensi* Parker & Margolis on juvenile Pacific salmon in coastal British Columbia. 7<sup>th</sup> International Sea Lice Conference, Puerto Varas, Chile. Contributed paper.
27. Jones, S. 2008. Host pathogen influences on pathogenicity or disease severity. International Aquatic Animal Health Genomics Meeting, Barcelona. Invited paper.

March 31, 2011

28. Saksida, S., G. Marty, S. St. Hilaire, H. Manchester, S. Jones. 2008. Assessment of health in wild juvenile pink salmon (*Oncorhynchus gorbuscha*) in British Columbia Canada. 7<sup>th</sup> International Sea Lice Conference, Puerto Varas. Contributed paper.
29. Yazawa, R., M. Yasuike, J. Leong, K.R. von Schalburg, G.A. Cooper, M. Beetz-Sargent, A. Robb, W.S. Davidson, S.R.M. Jones and B.F. Koop. 2008. EST and mitochondrial DNA sequences support a distinct Pacific form of salmon louse, *Lepeophtheirus salmonis*. 7<sup>th</sup> International Sea Lice Conference, Puerto Varas. (oral)
30. Yasuike, M., Yazawa, R., J. Leong, K.R. von Schalburg, G.A. Cooper, M. Beetz-Sargent, A. Robb, W.S. Davidson, S.R.M. Jones, E.M. Crump, J. Burian, W.W. Kay and B.F. Koop. 2008. Genomics, ESTs and mitochondrial DNA sequences of *Caligus rogercresseyi*. 7<sup>th</sup> International Sea Lice Conference, Puerto Varas. (poster)
31. Jones, S.R.M., E. Kim and W. Bennett. 2008. Early development of resistance to the salmon louse *Lepeophtheirus salmonis* (Krøyer) in juvenile pink salmon *Oncorhynchus gorbuscha* (Walbaum). 7<sup>th</sup> International Sea Lice Conference, Puerto Varas. (poster)
32. Jones, S.R.M. 2008. Recent impact of the salmon louse in immature pink salmon in the Broughton Archipelago, Canada. FRS Laboratory, Aberdeen. Invited seminar.
33. Jones, S. 2007. *Parvicapsula minibicornis* in Okanagan River sockeye: implications for local transmission. Bilateral Okanagan Basin Technical Working Group Meeting, Penticton, BC (invited seminar).
34. Jones, S. 2006. The susceptibility and responses of Pacific salmon to the salmon louse: field and laboratory observations. Department of Biology, University of Waterloo (invited seminar).
35. Jones, S. & S. Johnson. 2006 Knowledge gaps in the biology of *Lepeophtheirus salmonis* and its interactions with *Oncorhynchus* spp. Meeting of the BC Pacific Salmon Forum, Vancouver, BC (invited seminar)
36. Jones, S. 2006. Interactions of the salmon louse, *Lepeophtheirus salmonis* with juvenile Pacific salmon: a tale of two hosts. DFO Science Workshop, Institute Maurice Lamontagne, Mont Joli (contributed paper).
37. Rise, M.L., S.R.M. Jones, K.R. von Schalburg, G.D. Brown, W.S. Davidson, L.L. Brown, S. Bowman, S.C. Johnson, & B.F. Koop. 2006. Genomic tools for studying fish transcriptomic responses to pathogens. Aquaculture Association of Canada Annual Meeting.
38. Jones, SRM, W. Wosniok & NB Hargreaves. 2006. The salmon louse *Lepeophtheirus salmonis* on salmonid and non-salmonid fishes in British Columbia, Canada. International Society for Veterinary Epidemiology and Economics. Cairns, Australia (contributed paper).
39. Jones, S. 2006. Strategies for the management, diagnosis and prevention of parasites in farmed salmon. Skretting Australasian Aquaculture. Adelaide, Australia (invited presentation).
40. Jones, S. 2006. The susceptibility and responses of Pacific salmon to the salmon louse: field and laboratory observations. School of Aquaculture, University of Tasmania (invited seminar).
41. Jones, S. 2006. Sea lice and salmon: survival strategies of parasites and their hosts. Malaspina University College, Science and Technology Lecture Series, Nanaimo. Invited Presentation.
42. Jones, S. 2006. Sea lice in British Columbia: a model for ecosystem-based research. ADM Lecture Series, Ottawa. Invited Presentation.



March 31, 2011

43. Jones, S. and K. Taylor. 2005. A diagnostic enzyme immunoassay for the detection of *Kudoa thyrsites* in skeletal muscle of Atlantic salmon. 12<sup>th</sup> International Conference of the EAFP, Copenhagen, Denmark (contributed paper).
44. Jones, S., B. Hargreaves and E. Kim. 2005. The occurrence of *Lepeophtheirus salmonis* Krøyer on threespine sticklebacks (*Gasterosteus aculeatus*) in coastal British Columbia. 12<sup>th</sup> International Conference of the EAFP, Copenhagen, Denmark (contributed paper).
45. Jones, S. and B. Hargreaves. 2005. Host size, salinity, temperature and the distribution and abundance of caligid copepods on juvenile pink (*Oncorhynchus gorbuscha*) and chum (*Oncorhynchus keta*) salmon. 12<sup>th</sup> International Conference of the EAFP, Copenhagen, Denmark (contributed poster).
46. Jones, S.R.M., N.B. Hargreaves, and E. Kim. 2005. Does the salmon louse *Lepeophtheirus salmonis* Krøyer occur on threespine stickleback (*Gasterosteus aculeatus* L.) in coastal British Columbia? 46<sup>th</sup> Western Fish Disease Workshop, Boise, Idaho (contributed paper).
47. Jones, S. 2005. Research developments on the diagnosis, treatment and prevention of *Kudoa thyrsites* in farmed Atlantic salmon in BC. AquaNet-Fiskeriforskning Fish Health Workshop, Tromsø, Norway. Invited Presentation.
48. Jones, S. 2005. Review of the diseases of cultured fish on Canada's west coast. AquaNet-Fiskeriforskning Fish Health Workshop, Tromsø, Norway. Invited Presentation.
49. Lapointe, M., S.J. Cooke, S.G. Hinch, A.P. Farrell, S. Jones, S. MacDonald, D. Patterson, M.C. Healey and G. Van Der Kraak. 2004. Late-run sockeye salmon in the Fraser River, British Columbia, are experiencing early upstream migration and unusually high rates of mortality - What is going on? In T.W. Droscher and D.A. Fraser (eds). Proceedings of the 2003 Georgia Basin/Puget Sound Research Conference. CD-ROM or Online. Available: [http://www.psat.wa.gov/Publications/03\\_proceedings/start.htm](http://www.psat.wa.gov/Publications/03_proceedings/start.htm)
50. Jones, S. 2004. Caligid copepods on juvenile salmonids and some non-salmonids in the Broughton Archipelago. SFU Sea Lice Workshop, Alert Bay, British Columbia (invited oral presentation).
51. Jones, S. 2004. Fish health and welfare, wild and captive perspectives. AquaNet Workshop on Research into Welfare in Fishes. Campbell River, British Columbia (invited presentation).
52. Jones, S. 2004. Presentation to the Nanaimo Rotarians on sea lice. Nanaimo, British Columbia (invited oral presentation).
53. Jones, S. 2004. Ichthyophonus surveillance and laboratory studies in British Columbia. Presentation at the Yukon River Drainage Fisheries Association Ichthyophonus Meeting. Anchorage, Alaska (invited oral presentation).
54. Jones, S., A. Nemec 2004. Sea lice on juvenile salmon and on some non-salmonid species caught in the Broughton Archipelago in 2003. Presentation made to the PSARC Habitat Subcommittee Meeting, Nanaimo, British Columbia (invited oral presentation by Jones).
55. Jones, S., K. Taylor. 2004. An enzyme-linked immunosorbent assay for the detection of *Kudoa thyrsites* in Atlantic salmon. Aquaculture Pacific Exchange, Campbell River, British Columbia (invited oral presentation by Jones).
56. Jones, S. 2003. From fish parasites to vaccination and beyond. Symposium on the retirement of Prof. W.B. van Muiswinkel. Wageningen, The Netherlands. (invited oral presentation by Jones).

March 31, 2011

57. Jones, S. 2003. Pathogenesis and host resistance to *Kudoa thyrsites* in Atlantic salmon. Department of Biological Sciences, University of Alberta, Edmonton, AB. (invited presentation by Jones).
58. Jones, S. 2003. The rebirth of sea lice research in British Columbia. Annual Meeting of the Aquaculture Association of Canada. Victoria, BC (invited oral presentation by Jones).
59. Jones, S. 2003. Health research in salmon conservation and aquaculture in British Columbia. UBC Forum on Salmon Conservation and Aquaculture. (invited oral presentation by Jones).
60. Jones, S. 2003. Pink salmon, sea lice and the Broughton Archipelago. BC Sport Fishers Advisory Board, Nanaimo, BC. (invited oral presentation by Jones).
61. Jones, S. 2003. *Parvicapsula minibicornis*: impact of infections in Fraser River salmon. Vision in Shared Management 2003: Fulfilling our Destiny. Mount Curry, BC. (invited oral presentation by Jones). Jones, S., A. Osborn, G. Prosperi-Porta, S. Dawe, J. Blackburn. 2003. Proliferative renal sphaerosporosis in adult coho salmon (*Oncorhynchus kisutch*) in British Columbia and Washington. 6<sup>th</sup> International Symposium on Fish Parasites. Bloemfontein, South Africa (oral presentation by Jones).
62. Jones, S., G. Prosperi-Porta, S. Dawe, K. Taylor and B. Goh. 2003. *Parvicapsula minibicornis* in anadromous salmon (*Oncorhynchus* spp.) from tributaries of the Columbia River in Canada and the United States. 44<sup>th</sup> Western Fish Disease Workshop. Seattle, Washington. (oral presentation by Jones).
63. Jones, S., S. Saksida, G. Karreman, C. Stephen. 2003. *Kudoa thyrsites* in Atlantic salmon: an industry-wide study to generate testable hypotheses (part 1). 44<sup>th</sup> Western Fish Disease Workshop. Seattle, Washington. (oral presentation by Jones).
64. Jones, S., B. Hargreaves, J. Pringle. 2003. Sea lice on juvenile pink (*Oncorhynchus gorbuscha*) and chum salmon (*O. keta*) in the Broughton Archipelago in 2003: preliminary observations. 6<sup>th</sup> International Conference on Sea Lice. Huntsman Marine Science Centre, St. Andrews, NB (poster presentation by Jones).
65. Karreman G., S. Saksida, S. Jones, C. Stephen. 2003. *Kudoa thyrsites* in Atlantic salmon: an industry-wide study to generate testable hypotheses (part 2). 44<sup>th</sup> Western Fish Disease Workshop. Seattle, Washington. (oral presentation by Karreman).
66. Funk, V.A., S. Wu, C. Young, H. Kreiberg, K. Taylor, S. Jones. 2003. The effect of IP vaccination and SW entry on the immunocompetence of Atlantic salmon (*Salmo salar*). Annual Meeting of the Aquaculture Association of Canada. Victoria, BC (oral presentation by Funk).
67. Kibenge, M., S. Jones, G. Traxler. 2003. Virus Research in Wild Stocks of British Columbia Salmon. Annual Meeting of the Aquaculture Association of Canada. Victoria, BC (invited oral presentation by Kibenge).
68. Trudel, W., D. Welch, S. Jones, J. Morris, E. Farley, B. Wing. 2003. Spatio-temporal variation of sea lice infection on Pacific salmon. Pink and chum salmon workshop. Victoria, BC. (oral presentation by Trudel).
69. Jones, S. 2002 *Parvicapsula minibicornis*, a parasite of *Oncorhynchus* spp in the Pacific Northwest. Salmon PSARC. PBS, Oct 24.
70. Salonijs, K., S. Jones, A. Mackinnon. 2002. Efficacy of an ISAV vaccine in Atlantic salmon against heterologous ISAV strains. AGM of the Aquaculture Association of Canada. Charlottetown, PE.
71. Jones, S., G. Prosperi-Porta, S. Dawe, D. Barnes. 2002. *Parvicapsula minibicornis*:



March 31, 2011

- transmission and impact on anadromous salmonids of the Fraser River, British Columbia. 4<sup>th</sup> International Symposium on Aquatic Animal Health, New Orleans, LA.
72. Jones, S., G. Prosperi-Porta, S. Dawe. 2002. Investigations into the distribution and transmission of *Kudoa thyrsites* to Atlantic salmon in British Columbia. 4<sup>th</sup> International Symposium on Aquatic Animal Health, New Orleans, LA.
73. Jones, S., B. Goh, S. Dawe, G. Prosperi-Porta. 2002. *In situ* hybridization, polymerase chain reaction and histology as tools for understanding the relationships between *Kudoa thyrsites* in fish and invertebrates. Impacts of Myxozoan Parasites in Wild and Farmed Finfish. Nanaimo, British Columbia.
74. Jones, S., S. Dawe, G. Prosperi-Porta. 2002. Transmission of *Parvicapsula minibicornis* among *Oncorhynchus* spp. and occurrence of the parasite in sockeye salmon smolts following migration to sea. Impacts of Myxozoan Parasites in Wild and Farmed Finfish. Nanaimo, British Columbia.
75. Jones, S., G. Prosperi-Porta, S. Dawe, D. Barnes. 2002. The distribution, prevalence and severity of *Parvicapsula minibicornis* infections among anadromous salmonids in the Fraser River. Impacts of Myxozoan Parasites in Wild and Farmed Finfish. Nanaimo, British Columbia.
76. Karreman G., S. Saksida, C. Stephen, S. Jones. 2002. Designing a study to investigate the role of fish management in the manifestation of *Kudoa* problems in farmed salmon. Impacts of Myxozoan Parasites in Wild and Farmed Finfish. Nanaimo, British Columbia.
77. Funk V.A., H. Kreiberg, S. Wu, S. Jones. The effect of stressors on immunocompetence and susceptibility to *Kudoa thyrsites*. Impacts of Myxozoan Parasites in Wild and Farmed Finfish. Nanaimo, British Columbia.
78. Jones, S. 2002. *Ichthyophonus* in chinook salmon: a laboratory model of inflammation and immunity. 43<sup>rd</sup> Western Fish Disease Workshop. Corvallis, Oregon.
79. Jones, S. 2002 Reducing the impact of *Kudoa thyrsites* in farmed Atlantic salmon in British Columbia. DFO Science Symposium, Nanaimo, BC.
80. Groman, D, D. MacKinley and S. Jones. 2001. The use of immuno-cytochemistry in the confirmation of ISA infections from fixed tissue impressions and histological sections. 10<sup>th</sup> International Conference of the EAFP. Dublin, Ireland.
81. St-Hilaire, H. M. Burrows, M. Higgins, D. Barnes, R. Devlin, R. Withler, J. Khattra, D. Kieser and S. Jones. 2001. Epidemiology of *Parvicapsula minibicornis* in sockeye salmon (*Oncorhynchus nerka*) from the Fraser River drainage basin, British Columbia. American Fisheries Society, Western Fish Health Meeting, Victoria, BC.
82. Brouwers, H. and S.R.M. Jones. 2000. Vaccination against emerging pathogens in farmed salmon. Millennium World Congress on Vaccines and Immunization, Liege, Belgium (invited speaker).
83. Jones, S.R.M. 2000. Horizontal transmission of ISAV as a useful model for testing inactivated vaccines in Atlantic salmon St Andrews Aquaculture Trade Show.
84. Jones, S.R.M. 2000 Horizontal transmission of infectious salmon anaemia virus (ISAV) among freshwater-reared Atlantic salmon (*Salmo salar*). Annual Meeting of the Aquaculture Association of Canada. Moncton, New Brunswick.
85. Jones, S.R.M. 1999. Vaccination of freshwater reared Atlantic salmon against infectious salmon anaemia virus. 9<sup>th</sup> Meeting of the European Association of Fish Pathologists, Rhodes, Greece (contributed paper).



March 31, 2011

86. Jones, S.R.M. 1999. DNA vaccines in aquaculture. AGM of the Aquaculture Association of Canada, Victoria, British Columbia (invited speaker).
87. Jones, S.R.M. 1999. Development of an ISA vaccine. New England Farmed Fish Health Workshop, Eastport, Maine (invited speaker).
88. Jones, S.R.M. 1998. Vaccines and immunostimulants as health management tools for use in impounded lobster. Canadian Aquaculture Institute, Lobster Pound Workshop, Shelburne, Nova Scotia (invited speaker).
89. Speare, D.J., R.J.F. Markham, H.J. Beaman, G.J. Sanchez, J. Daley, S.R.M. Jones. 1998. Pathogenesis of *Loma salmonae*, a gill microsporidian pathogen of emerging significance to Pacific salmon aquaculture. 3<sup>rd</sup> International Symposium on Aquatic Animal Health, Baltimore, Maryland.
90. Jones, S.R.M. 1998. Canadian experiences with infectious salmon anaemia virus in farmed salmon. DAFFS Marine Laboratory, Aberdeen, Scotland (invited speaker).
91. Jones, S.R.M. 1998. Development of viral vaccines. New England Farmed Fish Health Workshop, Eastport, Maine (invited speaker).
92. Jones, S.R.M. 1998. Vaccination against *Renibacterium salmoninarum* and *Piscirickettsia salmonis* in farmed salmon. BC Ministry of Agriculture, Fisheries and Food Fish Health Workshop, Nanaimo, British Columbia (invited speaker).
93. Jones, S.R.M. 1997. Vaccine development: new results new directions. B.C. Aquaculture Exchange, Campbell River, British Columbia (invited speaker).
94. Jones, S.R.M., A.M. MacKinnon, K. Salonijs, D.B. Groman. 1997. Reproduction of experimental haemorrhagic kidney syndrome in freshwater-reared Atlantic salmon. St. Andrews, New Brunswick (invited speaker at two workshops).
95. Jones, S.R.M. 1996. The effect of microbial extracts on the severity of experimental *Piscirickettsia salmonis* in coho salmon, *Oncorhynchus kisutch*. International Symposium on Fish Vaccinology, Oslo (poster).
96. Trevors, C.M., S.R.M. Jones, R.J.F. Markham. 1996. Superoxide anion production in *Piscirickettsia salmonis* infected macrophages isolated from *Cyprinus carpio* and *Salmo salar*. International Symposium on Fish Vaccinology, Oslo (poster).
97. Osinchuk, R.D., S.R.M. Jones, A.M. MacKinnon, R.J.F. Markham. 1996. Vaccination against typical furunculosis protects against atypical *Aeromonas salmonicida* in salmonid and cyprinid fish. International Symposium on Fish Vaccinology, Oslo (poster).
98. Jones, S.R.M. 1996. Ulcer disease in koi: consequences and prevention. Mid-Atlantic Koi Club, Philadelphia, Pennsylvania (invited speaker).
99. Jones, S.R.M. 1996. Immunostimulants elicit protection in coho salmon (*Oncorhynchus kisutch*) against experimental infection with *Piscirickettsia salmonis*. AquaTech, St. John's, Newfoundland (invited speaker).
100. Jones, S.R.M. 1996. Disease prevention in aquaculture by vaccination. Covehead Women's Institute. Covehead Rd, PEI (invited speaker).
101. Jones, S.R.M., B.M.L. Verburg-Van Kemenade, W.B. Van Muiswinkel. 1994. Humoral and cellular responses of common carp (*Cyprinus carpio*) to the blood parasite, *Trypanoplasma borreli*. Sixth Congress of the International Society of Developmental and Comparative Immunology, Wageningen, The Netherlands (poster).
102. Jones, S.R.M. 1994. The immune responses of common carp (*Cyprinus carpio*) to the blood parasite *Trypanoplasma borreli*. Pathology and Microbiology, AVC, UPEI (invited

March 31, 2011

speaker).

103. Jones, S.R.M., R.M.W. Stevenson, W.D. Paterson. 1993. Response of rainbow trout (*Oncorhynchus mykiss*) lymphocytes to the bacterial pathogen, *Yersinia ruckeri*. The Nordic Symposium on Fish Immunology, Lysekil, Sweden (poster).
104. Jones, S.R.M., P.T.K. Woo. 1990. Osmotic effects on the growth and infectivity of a fish trypanosome. ICOPA VII, Paris, France (contributed presentation).
105. Jones, S.R.M. 1989. Systematics of trypanosomes from freshwater fishes in southern Ontario. American Society of Parasitologists 64<sup>th</sup> Annual Meeting, Vancouver, British Columbia (contributed presentation).
106. Jones, S.R.M., P.T.K. Woo. 1988. Development of trypanosomes from bowfin (*Amia calva* L., 1766) in the leech *Placobdella phalera* (Graf, 1899). 2<sup>nd</sup> International Conference of Leech Scientists, Ottawa, Ontario (contributed presentation).
107. Jones, S.R.M. 1988. Trypanosomes in bowfin from southern Ontario: a case study. Ontario Parasitology Club, Toronto, Ontario (invited speaker).
108. Jones, S.R.M. 1986. The potential of the parasite, *Cryptobia salmositica* to reduce vaccination success in rainbow trout (*Salmo gairdneri*). Annual meeting of the Aquaculture Association of Canada, Guelph, Ontario (contributed presentation).
109. Jones, S.R.M., P.T.K. Woo. 1986. Immunosuppression in *Salmo gairdneri* caused by the haemoflagellate, *Cryptobia salmositica*. Annual meeting of the Canadian Society of Zoologists, Saskatoon, Saskatchewan (contributed presentation).
110. Jones, S.R.M. 1985. The effects of *Cryptobia salmositica* on the immune response in *Salmo gairdneri*. Canadian Congress of Biology, London, Ontario (contributed presentation).

#### PROFESSIONAL ACTIVITIES:

Canadian Branch Officer, European Association of Fish Pathologists.

Chair, ICES Working Group on Pathology and Diseases of Marine Organisms, 2001 – present.

Member of the Editorial Board, Journal of Fish Diseases, 2010 – present.

Member of the American Society of Parasitologists.

Member of NSERC Grant Selection Committee on Cell Biology (GSC 32), 2003 – 2006.

Member of NSERC Council, 1998 - 2001.

Member of NSERC Standing Committee on Research Partnership Programmes, 1998 - 2001.

Member of NSERC Communications Committee, 1999 - 2001.

Member of NSERC Expert Review Panel for the 1998 National Centres of Excellence competition.

Member of NSERC Round Table Panel: "Needs of the next generation of researchers: making a future in industry". 1997.

Reviewed grant applications for: NSERC Strategic Grants (expert reviewer), NSERC Operating Grants (expert reviewer), European Economic Community, Wellcome Trust, Alaska Sea Grant, US Fish and Wildlife Service, Maine Technology Institute, NRC Genome and Health Initiative, AquaFin CRC (Australia).

Reviewed manuscripts submitted for publication in: Journal of Aquatic Animal Health, Journal of Wildlife Diseases, Journal of Parasitology, Fish Physiology and Biochemistry, Diseases of Aquatic Organisms, Vaccine, Aquaculture, Virology, Transactions of the

March 31, 2011

American Fisheries Society, Journal of Applied Ichthyology

Councillor, Parasitology Section, Canadian Society of Zoologists (1994 - 1996). Organized Symposium (AGM, 1995): "Immunological Strategies for the Control of Parasites in Aquaculture".