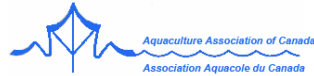




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LINKS OF INTEREST

BIO ATLANTECH
www.bioatlantech.nb.ca

**Aquaculture, Farming
and Fish Resources**

NorthernAquaFarms.com
www.northernaquafarms.com/



www.farmfreshsalmon.org/

**University of New
Brunswick, Saint John**

 Centre for
Coastal Studies
and Aquaculture
www.unbsj.ca/coastal

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Industry Photo



Steve Cross (left) shows scallops to University of New Brunswick graduate student, Nathaniel Feindel, at Kyuquot Seafood's Integrated Multi-Trophic Aquaculture site, on Vancouver Island, BC

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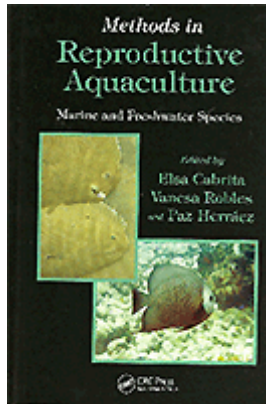
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Book Review

**Methods in Reproductive Aquaculture:
Marine and Freshwater Species**

CRC Press



'Methods in Reproductive Aquaculture: Marine and Freshwater Species' aims to provide a single resource, first and foremost, on gamete cryopreservation and also management of reproductive materials. The introductory chapters give a detailed review of reproductive cycles and gamete development for fish. Environmental and hormonal regulation of spawning and reproductive dysfunction of aquaculture species is also discussed. Instead of becoming a literature review, the book becomes a technical guide discussing reproductive methodology on hormone stimulation and gamete collection. Chromosomal manipulation is also briefly discussed. Technical nuances for collection of gametes from a number of fish families are discussed from Tilapias to Sturgeons and flatfish covering most cultured fishes.

The primary and most detailed subject in this work is the cryopreservation of sperm. Great detail is included for the procedures, techniques and issues surrounding semen cryopreservation. The state of the art of oocyte and embryo cryopreservation for fish is also addressed, but since this area of study is not advanced for fish, these sections are short. The contributed cryopreservation methods cover many groups of fish, various echinoderms, molluscs and crustaceans. The level of detail for the cryopreservation protocols is far greater than the gamete collection and fertilization sections, perhaps giving more equal treatment to both sections would have been beneficial.

Over 80 authors from around the world contributed to the book. The result is as the editors wished; to provide a technical resource book on reproductive biology of aquaculture species. I expect the book would appeal to and would be a welcomed resource to students and researchers studying fish reproductive biology and especially those researching sperm cryopreservation.

By Steve Leadbeater. Steve is an aquatic animal technician with the Department of Fisheries and Oceans Canada and has worked on alternate species aquaculture development for over a decade.

In Case You Missed It !

Canada's Aborigines Respond to Aquaculture Reform

(The Fish Site, August 7, 2009)

www.thefishsite.com/fishnews/10544/canadas-aborigines-respond-to-aquaculture-reform

Mi'kmaq agency going to Norway for aquaculture trade mission

(The Cape Breton Post, August 11, 2009)

www.capebretonpost.com/index.cfm?sid=276932&sc=152

Where have all the Fraser River sockeye salmon gone? Natives point to over-fishing at sea ...

(Canada.com, April 14, 2009)

www.canada.com/technology/Column+Where+have+Fraser+River+sockeye+salmon+gone/1893791/story.html

Pink Salmon Returns

(BC Salmon Farmers, September 2, 2009)

www.salmonfarmers.org/show_topic.php?id=122

Up Coming Events

World Aquaculture 2009

Veracruz, Mexico (Sept 25 - 30, 2009)

www.was.org/WasMeetings/meetings/WA09_Index.aspx?code=WA2009

Aquaculture 2010

San Diego, US (March 1 – 5, 2010)

www.aqua-nor.com/messe.php?messe=18&p=244

BC Shellfish Growers Association Annual R&D workshop

Campbell River, BC (Oct 16-17, 2009)

www.bcsqa.ca

NAIA 2009 Aquaculture Showcase

Coast of Bays, NL (Sept 16-18, 2009)

www.naia.ca/docs/ShowcaseAgenda_RegistrationForm-Accommodations09.pdf

Student Endowment Fund Donors

Gerry Friars, Iola Price, Julian Hynes, Joanne Burry, Chris Hendry, Jay Parsons, René Lavoie, Atlantic Provinces Council on the Sciences, John Anderson, Jeff Davidson, Sean MacNeill, Peter Chettleburgh, Duane Barker, Jennifer Lee, Maritime Aboriginal Aquatic Resources Secretariat, Chris Oikawa, Jerry Bidgood, NS Department of Fisheries and Aquaculture, Linda Hiemstra, University of Guelph - Aquaculture Centre, Alistair Struthers, Bev Bacon, Cyr Couturier, Alan Kenney, Santosh Lall, Tim DeJager, Céline Audet, Lisa Forsthovel, John Bonardelli, Neil Bourne, Rogers Consulting Inc., Larry Hammell, Michael Burt, RDI Strategies Inc., Glen Gateley, Paul MacIsaac and Cooke Aquaculture



Professor Rich Moccia awarding the Best Poster Presentation at AC09 to Kim Burt of Memorial University

Thank you!

Did you donate to the Student Endowment Fund this year and we missed you in the Watermark? Let us know!

NEWS FLASH!

Aquaculture Canada^{OM} 2010

May 16-19, St. John's, NL

Contact Conference Coordinator, Joanne Burry (jimburry@nl.rogers.com, 709 437-7203) for more information

Co-sponsored with NAIA and the Province of Newfoundland and Labrador

AAC Sustaining Members for 2009



www.creativesalmon.com



www.tc.gc.ca



www.corey.ca



www.gov.bc.ca/al
(BC Ministry of Agriculture and Lands)



www.truefoam.com



www.mapaq.gouv.qc.ca



www.promens.ca
(Seaplast Canada Ltd.)



www.marineharvest.com



www.intervet.com



The Aquaculture Association of Canada hosted another great meeting this year, Aquaculture Canada 2009, in Nanaimo, BC in May. This was our 26th annual meeting where we had the opportunity to bring industry, government, researchers, students and others together to focus on issues and developments pertinent to the Canadian aquaculture community. AC09 provided the annual opportunity for our national aquaculture community to get together, discuss opportunities and challenges, network and have fun. It is amazing how strongly connected the people working in all aspects of aquaculture are within Canada. We are like one big family and the camaraderie certainly shows when we come together. The theme of our meeting this year was “Aquaculture: Meeting the Challenges”. Our industry has been meeting challenges, improving and

expanding with resilience and innovation since aquaculture was first established in Canada, and they will continue to do so. We had over 290 participants and 3 full days of sessions to cover topics of interest to everyone. The success of this meeting was due to the immense efforts of a wide variety of volunteers. I personally thank everyone that assisted with the organizing and program committees, and registration and various onsite duties. Susan Waddy (long-term, dedicated volunteer) and Catriona Wong from the AAC office work behind the scenes daily to run the association and prepare for the conference. Our conference certainly would not have been such a success without the hard work and expertise of Joanne Burry, our conference coordinator.

Our program chair, Dr. Chris Pearce, with the help of his program committee worked hard to develop sessions addressing topics relevant to the challenges our industry faces today. The need to move our industry forward in an economically and environmentally sustainable fashion was highlighted by our keynote speaker, Dr. Barry Costa-Pierce, who emphasized the dynamic social ecology of aquaculture. Although we all realize the challenges, the importance of engaging public support for our industry cannot be emphasized enough. Our sessions on First Nation issues and the human dimensions of aquaculture addressed specific topics relevant to improving the social license for our industry. A broad range of challenging issues such as those related to sea lice and closed containment were addressed in the session on environmental interactions while other sessions focused on aquatic invasive species and fish welfare. Challenges also bring opportunities and good examples are the opportunities to move our industry forward with genomic tools, ecosystem approaches for management, and certification and traceability solutions. In addition to the contributed papers to be published in the proceedings, the papers on genomic applications to sustainable aquaculture will also be published as an AAC bulletin.

This year the Research Award of Excellence was presented to two scientists, Dr. Shawn Robinson and Dr. Thierry Chopin, who developed a remarkable inter-disciplinary team of researchers and industry partners to establish integrated multi-trophic aquaculture as a commercial reality. Our association realizes the importance of fostering student involvement in aquaculture and we awarded student scholarships worth \$1,000 each to Andrea Bozman (Vancouver Island University), David Deslauriers (University of New Brunswick, Saint John) and Nathaniel Feindel (University of New Brunswick, Fredericton), in addition to the travel awards supporting attendance of 13 students.

By Debbie Martin-Robichaud, past president of the AAC



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Aquaculture Association of Canada

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- Subscriptions to the *AAC Bulletin* and *World Aquaculture*
- Reduced subscription rates for *Northern Aquaculture* and *Hatchery International*
- Reduced registration fees at AAC and World Aquaculture Society (WAS) conferences
- Access to scholarships, travel awards and best paper awards
- Opportunities to meet colleagues and industry reps from across Canada

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