

Manuscripts published in peer-reviewed scientific journals

Siah A, McKenna P. 2013. Rapid detection assay for the invasive vase tunicate, *Ciona intestinalis*, using loop-mediated isothermal amplification combined with lateral flow dipstick. Management of Biological Invasions, Accepted.

Tanguy M, McKenna P, Gauthier-Clerc S, Pellerin J, Danger JM, **Siah A**. 2013. Functional and molecular responses in *Mytilus edulis* hemocytes exposed to bacteria, *Vibrio splendidus* Developmental & Comparative Immunology, In press.

Siah A, McKenna P, Johnson G, Berthe FCJ. 2012. Single plex branch DNA as an alternative assay to quantify p53-like mRNA levels in soft-shell clam, *Mya arenaria*, haemocytes. Journal of Shellfish Research 31:3, 1-6.

Siah A, McKenna P, Danger JM, Berthe FCJ. 2012. Expression of RAS-like members family, c-jun and c-myc mRNA levels in neoplastic hemocytes of soft-shell clams *Mya arenaria* using microsphere-based 8-plex branched DNA Assay. Results in Immunology 2: 83-87.

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Pariseau J, McKenna P, AboElkhair M, Saint-Louis R, Pelletier E, Davidson J, Tremblay R, Berthe FCJ, **Siah A**. 2011. Effects of pesticide compounds (chlorothalonil and mancozeb) and benzo [a] pyrene mixture on aryl hydrocarbon receptor, p53 and ubiquitin gene expression levels in haemocytes of soft-shell clams (*Mya arenaria*). Ecotoxicology 20:1765-1772.

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Oliveira Ribeiro CA, Filipak Neto F, **Siah A**, Pelletier E, 2009. Sub-chronic and trophic effects of TBT and DBT in American plaice (*Hippoglossoides platessoides*). Journal of The Brazilian Society of Ecotoxicology, 4:31-36.

Stewart-Clark S, **Siah A**, Greenwood SJ, Davidson J, Berthe FCJ. 2009. Development of 18S rDNA and COI gene primers for the identification of invasive tunicate species in Prince Edward Island. Aquatic Invasions, 4:467-472.

Araya MT, **Siah A**, Mateo D, Markham F, McKenna P, Johnson G, Berthe FCJ. 2009. Morphological and molecular effects of *Vibrio splendidus* on hemocytes of soft-shell clams, *Mya arenaria*. Journal of Shellfish Research, 28:1-8.

Mateo D, **Siah A**, Araya MT, Berthe FC, Johnson GR, Greenwood SJ, 2009. Changes in hemocyte subpopulations of *Mya arenaria*, detected by flow cytometry with Lysotracker, induced by two strains of *Vibrio splendidus*. Disease of Aquatic Organisms, 86:253–262.

Aboelkhair M, Synard S, **Siah A**, Pariseau J, Davidson J, Johnson G, Greenwood SJ, Casey JW, Berthe FC, Cepica A. 2009. Reverse transcriptase activity in tissues of the soft shell clam *Mya arenaria* affected with hemic neoplasia. Journal of Invertebrate Pathology, 102:2, 133-140.

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Araya MT, **Siah A**, Mateo D, Markham F, McKenna P, Johnson G, Berthe FCJ. 2008. Selection and evaluation of housekeeping genes for hemocytes of soft-shell clams (*Mya arenaria*) challenged with *Vibrio splendidus*. Journal of Invertebrate Pathology, 99:3, 326-331.

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Delaporte M, McKenna P, **Siah A**, Berthe FCJ. 2008. Immunophenotyping of *Mya arenaria* neoplastic hemocytes using propidium iodide and a specific monoclonal antibody by flow cytometry. Journal of Invertebrate Pathology, 99:1, 120-122.

Siah A, Delaporte M, Pariseau J, McKenna P, Berthe FCJ. 2008. Patterns of p53, p73 and mortalin gene expression associated with hemocyte polyploidy in the soft-shell clam, *Mya arenaria*. Journal of Invertebrate Pathology, 98:2, 148-152

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Masson R, Loup B, Bultelle F, **Siah A**, Leboulenger F, Danger JM. 2007. Identification of the gene encoding a Dnak-type molecular chaperone as potentially down regulated in blue mussels. *Hydrobiologia*, 588:1, 135-143.

Siah A, Pellerin J, Amiard JC, Pelletier E, Viglino L. 2003. Progesterone levels in *Mya arenaria* in response to *in situ* contamination to organotins and heavy metals in the St. Lawrence River (Canada). *Comparative Biochemistry and Physiology C*, 135:2, 145-156.

Siah A, Pellerin J, Benosman A, Gagné JP, Amiard JC. 2002. Seasonal gonadal progesterone pattern in the clam *Mya arenaria*. *Comparative Biochemistry and Physiology A*, 132:2, 499-511.

Mauduit C, **Siah A**, Foch M, Chapet O, Clippe S, Gérard JP, Benahmed M. 2001. Differential expression of growth factors in irradiated mouse testes. *International Journal of Radiation Oncology Biology and Physics*, 50:1, 203-212.

Chapter of book

Pellerin J, Gauthier-Clerc S, **Siah A**, Assoi-Etchian O, 2004. Stress physiologique et perturbation endocrinienne chez les bivalves marins dans « Ecotoxicologie moléculaire » Ed. Denizau, F., Campbell, P.G.C., Pelletier, E., chapitre 8, pp. 349-400.

Keynote speaker

2012. Infectious Hematopoietic Necrosis Virus Workshop, 2 October 2012, Campbell River, British Columbia, Canada.

2012. Australian Aquaculture Conference & Trade Show, 1-4 May 2012, Melbourne, Victoria, Australia.

2009. ECOBIM, Atelier franco-canadien sur l'évaluation environnementale par biomarqueurs écotoxicologiques, June 2009, Saguenay, Québec, Canada.

2007. ECOBIM, Atelier franco-canadien sur l'évaluation environnementale par biomarqueurs écotoxicologiques, May 2007, Brest - Plouzané, France.

2005. Groupement de Recherche IMOPHYS, IFREMER, January 2005, Institut Océanographique, Paris, France.

Recent conferences (2008-2010)

Siah A, Pariseau J, McKenna P, Davidson J, Johnson G, Berthe FCJ. 2010. Multiplex beads assay as a sensitive tool to detect tunicate aquatic invasive species in Prince Edward Island sea water. International Invasive Sea Squirt Conference-III - April 26-28, 2010. Woods Hole, Maine, US.

Tankouo-Sandjong B, **Siah A**. 2010. The *vasa* gene as a phylogenetic marker for identification of invasive botryllids. International Invasive Sea Squirt Conference-III - April 26-28, 2010. Woods Hole, Maine, US.

Siah A, Pariseau J, McKenna P, Davidson J, Johnson G, Berthe FCJ. 2009. Multiplex branched DNA as a sensitive assay to detect tunicate aquatic invasive species in Prince Edward Island seawater. 12th International Conference on Shellfish Restoration September 15-18, 2009. Charlottetown, Prince Edward Island, Canada.

Siah A, Pariseau J, AboElkhair M, McKenna P, Davidson J, Tremblay R, G. Johnson G, Berthe FCJ. 2009. Identification of transcripts related to retrovirus in relation with the development of hemic neoplasia in soft-shell clams *Mya arenaria* from North River (Prince Edward Island, Canada). 12th International Conference on Shellfish Restoration September 15-18, 2009. Charlottetown, Prince Edward Island, Canada.

Mateo D, **Siah A**, Araya MT, Berthe F, Johnson G, Greenwood S. 2009. Haemocytic responses in the soft-shell clam *Mya arenaria* induced by *in vivo* challenge with *Vibrio splendidus*. 14th European Association of Fish Pathologists International Conference-Diseases of Fish and Shellfish, Prague, Czech Republic.

Araya MT, **Siah A**, Mateo D, Markham F, McKenna P, Johnson G, Berthe FCJ. 2009. Morphological and molecular effect of *Vibrio splendidus* LGP32-GFP on hemocytes of soft-shell clams, *Mya arenaria*. 101st annual meeting of National Shellfish Association, March 22-26, 2009 Savannah, Georgia, USA.

Pariseau J, **Siah A**, AboElkhair M, Tremblay R, McKenna P, Berthe FCJ. 2008. P53, ubiquitin and AhR in soft shell clam haemocytes exposed to PAH/fungicides mixture. Physiomar, Brest, France.

Siah A, Delaporte M, Pariseau J, McKenna P, Berthe FCJ, 2008. Patterns of p53, p73 and mortalins gene expression associated with haemocyte polyploidy in the soft shell clams, *Mya arenaria*. Fish Health Section American Fisheries Society Annual Meeting, Charlottetown, Prince Edward Island, Canada.

AboElkhair M, **Siah A**, Clark F, McKenna P, Greenwood S, Berthe FCJ, Cepica A, 2008. Reverse transcriptase activity associated with haemic neoplasia in softshell clams, *Mya arenaria*. Fish Health Section American Fisheries Society Annual Meeting, Charlottetown, Prince Edward Island, Canada.