

CAROLINE LONGTIN

EDUCATION

PhD Biology (Phycology), University of New Brunswick, Fredericton, N.B., expected Aug. 2013

Thesis Title: Using molecular analyses to observe the distribution of the cryptic life-history stages and cryptic species in the Laminariaceae

Thesis Advisor: Dr. Gary Saunders

MSc Biology (Marine Ecology), St. Francis Xavier University, Antigonish, N.S., Canada, completed Aug. 2008

Thesis Title: Distribution of *Vertebrata lanosa*, *Elachista fucicola*, and *Pylaiella littoralis* across environmental stress gradients in the intertidal and along *Ascophyllum nodosum* fronds

Thesis Advisor: Dr. Ricardo Scrosati

BSc Biology, University of Victoria, Victoria, B.C., Canada, 2006

Bamfield Marine Sciences Centre Fall Program, Bamfield, B.C., Canada, 2005

- Directed Studies Title: Reproductive output of *Fucus gardneri* along vertical and horizontal gradients

AWARDS

NSERC Alexander Graham Bell Canadian Graduate Scholarship

\$70 000 over 2 years (May 2011-May 2013)

Sigurd Tveit Memorial Scholarship, Bamfield Marine Sciences Centre, B.C.

\$2500 to conduct research at the Bamfield Marine Sciences Centre

Marguerite and Murray Vaughan Graduate Fellowship in Marine Sciences, UNB

\$2000 (2010/2011)

PUBLICATIONS

Longtin, C., and Scrosati, R. (2009) Role of surface wounds and brown algal epiphytes in the colonization of *Ascophyllum nodosum* (Phaeophyceae) fronds by *Vertebrata lanosa* (Rhodophyta). *Journal of Phycology*. 45: 535-539 (M.Sc. work).

Longtin, C., Scrosati, R., Whalen, G., and Garbary, D. (2009) Distribution of algal epiphytes across environmental gradients at different scales: intertidal elevation, host canopies, and host fronds. *Journal of Phycology*. 45: 820-827 (M.Sc. work).

Scrosati, R., and **Longtin, C.** (2010) Field evaluation of epiphyte recruitment (*Vertebrata lanosa*, Rhodophyta) in different microsite types on host fronds (*Ascophyllum nodosum*, Phaeophyceae). *Phycological Research*. 58: 138-142 (M.Sc. work).

Watt, C., Garbary, D., and **Longtin, C.** In Press. Population structure of the ribbed mussel *Geukensia demissa* in salt marshes in the southern Gulf of St. Lawrence, Canada. *Helgoland Marine Research*. 9 pages (side project during M.Sc.)

DOI:10.1007/s10152-010-0221-4.

PRESENTATIONS

Oral

The distribution of epiphytes across environmental stress gradients and factors influencing recruitment on hosts.

Canadian Society for Ecology and Evolution (CSEE), May 2008.

Free-loading seaweeds: the distribution of epiphytes across environmental stress gradients.

St. Francis Xavier University, Biology Student Research Day, Feb. 2008.

Factors influencing the distribution of algal epiphytes (*Vertebrata lanosa*, *Pilayella littoralis*, and *Elachista fucicola*) on *Ascophyllum nodosum*.

Northeast Biological Graduate Student Conference, Feb. 2007.

Reproductive output of *Fucus gardneri* along vertical and horizontal gradients.

Bamfield Marine Sciences Centre, Dec. 2005.

Poster

Does the distribution of macroscopic kelp (*Laminaria ephemera*) sporophytes reflect the distribution of microscopic gametophytes?

Northeast Algal Society Symposium, Apr. 2011

Does the distribution of sporophytes reflect the distribution of microscopic gametophytes in *Laminaria ephemera*?

Northeast Algal Society Symposium, Apr. 2010

The distribution of epiphytes across environmental stress gradients and factors influencing recruitment on hosts.

Benthic Ecology Meeting, Apr. 2008.

Volunteer Experience

Co-organizer of the UNB biology departmental seminar series (2010-2011):

Selected appropriate speakers to fill weekly seminar slots from September to April, inviting speakers, arranging speakers' transportation, room and board, arranging meetings and hosting speakers for lunch and dinner.

Manuscript reviews:

- Marine Ecology: An Evolutionary Perspective (2010)
- Aquatic Ecology (2011)
- Phycological Research (2011)

Teaching Assistant Experience

UNB BIOL 2113, An Introduction to Ecology (2009–2011).

UNB, BIOL 1017, Application of Biological Principles (2010).

UVic, BIOL 190A, General Biology I (2008).