LINDSAY A. GREEN

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ACADEMIC APPOINTMENTS

Postdoctoral Researcher, University of Rhode Island	June 2014-Present
Graduate Student (Ph.D.), University of New Hampshire	2010-2014
Dissertation Year Fellow, University of New Hampshire	2013-2014
Summer Teaching Assistant Fellow, University of New Hampshire	2013
Graduate Teaching Assistant, University of New Hampshire	2012
Graduate Student (M.Sc.), Three Seas Program, Northeastern University	2008-2010
Undergraduate Researcher, Woods Hole Oceanographic Institution	2007

EDUCATION

Ph.D. (Plant Biology) — **University of New Hampshire,** Durham, NH (May 2014)
Dissertation: Physiological studies of cultured New England nori *Porphyra umbilicalis* Kützing and *Pyropia leucosticta* (Thuret) Neefus & J.Brodie, and implications for their use in integrated multi-trophic aquaculture systems

M.Sc. (Marine Biology) — **Northeastern University**, Boston, MA (January 2010)
Project: The effects of habitat availability on trait-mediated indirect interactions in a kelp forest food chain

B.S. (Biology) — **Northeastern University**, Boston, MA (May 2008)
The Academy: The Honor Society of the College of Arts & Sciences

AWARDS AND HONORS

NSF Rhode Island EPSCoR Travel Award	2015
Dissertation Year Fellowship, University of New Hampshire Graduate School	2013-2014
Dickie Family Scholarship	2013-2014
Best Oral Student Presentation (2nd Place), Northwest Algal Symposium	2013
Summer Teaching Assistant Fellowship, UNH Graduate School	2013
Northeast Algal Society Student Book Award	2012
Paul Claude Silva Travel Award, International Phycological Society	2012
Jean L. Thompson Scholarship, New Hampshire Federation of Garden Clubs	2011, 2012

TEACHING EXPERIENCE

University of New Hampshire

Teaching Assistant: General Ecology	Spring 2012
Teaching Assistant: Sustainable and Organic Crop Production	Fall 2012

SUPERVISORY EXPERIENCE

Undergraduates — 5 University of Rhode Island Students; 2 Summer Undergraduate Research Fellows

COMPETITIVE GRANTS

1. "Examining differential gene expression in blades of *Porphyra umbilicalis* exposed to long term freezing"
Principal Investigator: Lindsay Green, University of New Hampshire
Source of Support: Leslie S. Hubbard Marine Program Endowment
Total Award Amount: $2,600
Award Dates: 5/1/2013-5/1/2014

PEER-REVIEWED PUBLICATIONS

1. Green, L.A. and C.D. Neefus. Effects of temperature, light level, photoperiod, and nitrogen concentration on *Pyropia leucosticta* (Thuret) Neefus & J. Brodie from the Northwest Atlantic. *Journal of Applied Phycology, in press.*
2. Green, L.A. and C.D. Neefus. 2014. The effects of short- and long-term freezing on *Porphyra umbilicalis* Kützing (Bangiales, Rhodophyta) blade viability. *Journal of Experimental Marine Biology and Ecology* 461: 499-503.
3. Green, L.A., A.C. Mathieson, C.D. Neefus, H.M. Traggis, and C.J. Dawes. 2012. Southern expansion of the brown alga *Colpomenia peregrina* Sauvageau (Scytosiphonales) in the Northwest Atlantic Ocean. *Botanica Marina* 55(6): 643-647.
4. Green, L.A. 2012. Refuge availability increases kelp consumption by purple sea urchins exposed to predation risk cue. *Aquatic Biology* 17:141-144.

OTHER PUBLICATIONS (MANUALS, TECHNICAL REPORTS, THESIS, ETC.)

5. Green, L.A. 2014. Physiological studies of cultured New England nori *Porphyra umbilicalis* Kützing and *Pyropia leucosticta* (Thuret) Neefus & J.Brodie, and implications for use in integrated multi-trophic aquaculture systems. Ph.D. Dissertation, University of New Hampshire.
6. Redmond, S., L.A. Green, C. Yarish, J. Kim, and C.D. Neefus. 2014. New England seaweed culture handbook: nursery systems. *Connecticut Sea Grant College Program.* CTSG-14-01. 92 pp.
7. Redmond, S., L.A. Green, C. Yarish, J. Kim, and C.D. Neefus. 2013. Seaweed culture in New England. *Connecticut Sea Grant College Program*. Videos available at: http://s.uconn.edu/seaweedplaylist.
8. Wells, C.D., A.L. Pappal, Y. Cao, J.T. Carleton, Z. Currimjee, J. Dijkstra, S.K. Edquist, A. Gittenberger, S. Goodnight, S. Grady, L.A. Green, L.G. Harris, L.H. Harris, N.V. Hobbs, G. Lambert, A. Marques, A.C. Mathieson, M. McCuller, K. Osbourne, J.A. Pederson, M. Ros, J.P. Smith, L.M. Stafaniak, and A. Stevens. 2014. Report on the 2013 Rapid Assessment of Marine Species in New England Bays and Harbors. *Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs, Office of Coastal Zone Management*, Boston, MA, 26 pp.

MANUSCRIPTS IN REVIEW

9. Conover, J., Green, L.A., and C.S. Thornber. Biomass decay rates and nutrient loss in bloom and non bloom-forming macroalgal species. *Estuarine, Coastal, and Shelf Science, in review.*
10. Eriksen, R.L., Green, L.A., and A.S. Klein. Genetic variation within and among natural asexual populations of *Porphyra umbilicalis. Botanica marina, in review.*
11. Green, L.A. and C.D. Neefus. Effects of temperature, light level, and photoperiod on the physiology of *Porphyra umbilicalis* Kützing and implications for aquaculture. *Journal of Applied Phycology, in review.*

MEDIA COVERAGE

Rosner, H. October 2013. Ocean interloper: monitoring a new species of seaweed. *University of New Hampshire Magazine,* pg.14.

Rosenfeld, M. April 4, 2013. UNH researchers find new seaweed off coast of Maine. *CBS Boston WBZ-TV*. Retrieved at http://boston.cbslocal.com/2013/04/04/unh-researchers-find-new-seaweed-off-coast-of-maine/.

Potier, B. April 4, 2013. UNH scientists document first expansion of "sea potato" seaweed into New England. *Foster's Daily Democrat*, 243: A6.

PROFESSIONAL PRESENTATIONS AND PUBLISHED ABSTRACTS
(Presenter underlined, *undergraduate)

Green, L.A., Thornber, C.S, and Licht, S. 2015. Three species of blade-forming *Ulva* inhibit the growth of co-occurring macroalgae through allelopathic compounds. Northeast Algal Symposium, Syracuse, NY, April 17-19, 2015.

Green, L.A., Thornber, C.S, and Licht, S. 2015. The effects of warming ocean temperatures on the growth of *Ulva* spp. in Narragansett Bay, RI, USA. Benthic Ecology Symposium, Quebec City, Canada, March 4-8, 2015.

Burns, I.*, L.A. Green, and C. Thornber. 2014. Holey-E *Ulva*! Examining the role of holes in species of bloom-forming macroalgae. Biology of New England South (BioNES) Conference, Roger Williams University, Bristol, RI, December 5, 2014.

Green, L.A., R.L. Eriksen, and C.D. Neefus. 2014. Exploring the long-term freezing tolerance of *Porphyra umbilicalis* Kützing using next generation sequencing. Joint Aquatic Sciences Meeting, Portland, OR, May 18-23, 2014.

Green, L.A., and C.D. Neefus. 2014. The effects of long-term freezing on *Porphyra umbilicalis* Kützing (Bangiales, Rhodophyta) blade viability. Northeast Algal Symposium, Newport, RI. April 25-17, 2014.

Green, L.A. and C.D. Neefus. 2013. A comparison of the growth, photosynthetic efficiency, protein and pigment contents of two species of Northwest Atlantic nori under a matrix of conditions. 27th Northwest Algal Symposium, Whidbey Island, Coupeville, WA. October 18-20, 2013, pg.10.

Eriksen, R.L., L.A. Green, and A.S. Klein. 2013. Organism-environment interactions in natural asexual populations of the marine macroalga *Porphyra umbilicalis* (Rhodophyta). Evolution 2013, Snowbird, UT. June 21-25, 2013.

Green, L.A**.** and C.D. Neefus. 2013. Optimizing the production of *Porphyra umbilicalis* (Kützing) in tank-based aquaculture. 21st International Seaweed Symposium, Bali, Indonesia. April 21-26, 2013, pg. 72.

Green, L.A. and C.D. Neefus. 2013. A comparison of the tank-based aquaculture potential of two local species of nori. Northeast Algal Symposium, Mystic, CT. April 19-21, 2013, pg. 28.

Green, L.A. 2012. Seed production in nori aquaculture. Northeast Aquaculture Conference & Exposition, Groton, CT. December 12-15, 2012. **Invited Speaker**.

Eriksen, R.L., L.A. Green, and A.S. Klein. 2012. Comparisons of open-coastal and estuarine populations of *Porphyra umbilicalis*. Phycological Society of America, Charlestown, SC. June 20-23, 2012, pp. 79-80.

Green, L.A. and C.D. Neefus. 2012. Growth and photosynthetic efficiency of *Porphyra umbilicalis*: a candidate for recirculating integrated multi-trophic aquaculture. Northeast Algal Symposium, Acadia National Park, ME. April 20-22, 2012, pg. 31.

Green, L.A., A.C. Mathieson, C.D Neefus, H.M Traggis, and C.J Dawes. 2012. Introduction and expansion of the brown alga *Colpomenia peregrina* Sauvageau (Scytosiphonales) within

the Gulf of Maine. Northeast Algal Symposium, Acadia National Park, ME. April 20-22, 2012, pg. 26.

Green, L.A., K.R. Hladki, and C.D. Neefus. 2012. Growth and ammonium uptake in the red alga *Chondrus crispus* (Stackhouse) and its potential use in recirculating integrated multi-trophic aquaculture systems. Northeast Algal Symposium, Acadia National Park, ME. April 20-22, 2012, pg. 42.

Green, L.A. and C.D. Neefus. 2011. Physiological studies of cultured New England *Porphyra* spp. and implications for use in integrated multi-trophic aquaculture systems. Northeast Algal Symposium, Woods Hole, MA. April 15-17, 2011, pg. 30.

Green, L.A., S.J. Genovese, and G.C. Trussell. 2010. The effects of habitat availability on trait-mediated indirect interactions in a kelp forest food chain. Northeast Algal Symposium, Bristol, RI. April 16-18, 2010, pg. 35.

INVITED PRESENTATIONS AND SEMINARS

New Hampshire Sea Grant Research Symposium 2015
University of Rhode Island, Biological and Environmental Sciences Colloquium 2014
Northeast Aquaculture Conference & Exposition 2012

RESEARCH EXPERIENCE

Postdoctoral Researcher June 2014-Present
University of Rhode Island, Kingston, RI
Project: Ecology and physiology of bloom-forming seaweed (*Ulva* spp.) in Narragansett Bay
Mentor Dr. Carol S. Thornber

Graduate (Ph.D.) Student January 2010-May 2014
University of New Hampshire, Durham, NH
Projects: **a)** Physiological studies of cultured New England nori *Porphyra umbilicalis* Kützing and *Pyropia leucosticta* (Thuret) Neefus & J.Brodie, and implications for their use in integrated multi-trophic aquaculture systems; **b)** Examining differential gene expression in blades of *Porphyra umbilicalis* exposed to long term freezing; **c)** Identifying and monitoring the introduced brown alga *Colpomenia peregrina* in the Gulf of Maine
Mentor: Dr. Christopher D. Neefus

Environmental Monitoring and Education Associate June-November 2009
Marine Environmental Research Institute, Blue Hill, ME
Project: Monitoring settlement of introduced species and water quality in the Blue Hill Bay watershed
Mentor: Dr. Susan Shaw

Graduate (M.Sc) Student September 2008-December 2009
Northeastern University, Boston, MA
Project: The effects of habitat availability on trait-mediated indirect interactions in a kelp forest food chain
Mentor: Dr. Salvatore Genovese

Undergraduate Researcher January-June 2007
Woods Hole Oceanographic Institution, Woods Hole, MA
Project: Ecology and physiology of harmful bloom-forming phytoplankton (*Alexandrium*, *Dinophysis*, and *Pseudo-nitzschia*)

Mentors: Dr. Donald Anderson and David Kulis

SERVICE

Committees and Outreach: Expert on *Colpomenia peregrina* and *Leathesia marina* for Vital Signs (www.vitalsignsme.org), 2014 Student Presentation Judge at the New England Estuarine Research Society Meeting, 2013 Rapid Assessment Survey of Marine Species in New England Bays and Harbors, Ocean Discovery Day 2013 (Durham, NH), Workshops for Dover High School (Dover, NH) students and the Women in Science Club from Oyster River Middle School (Durham, NH)

Society Memberships: American Association for the Advancement of Science, International Phycological Society, International Seaweed Association, Northeast Algal Society, Northwest Algal and Seagrass Society, Phycological Society of America