

# General Program: 47<sup>th</sup> Northeast Algal Symposium

Friday, April 18, 2008

7:00-9:00pm Registration & Reception  
(New England Center, Great Bay Room)

Saturday, April 19, 2008

8:00 – 8:45am Registration, Continental Breakfast & Poster Setup  
(MUB Room 330/332)

8:45 – 9:00am Welcome and Opening Remarks- Chris Neefus & Anita Klein  
(MUB Theater II)

**SESSION 1 Student Presentations Moderator: Morgan Vis**

9:00 – 9:15am Wilce Award Candidate  
DNA BARCODING AS A TOOL FOR SPECIES IDENTIFICATION  
IN THE RED ALGAL GENUS *PORPHYRA* IN CANADA. **Hana Kucera** and G.W. Saunders. (Abstract p.8)

9:15 – 9:30am Wilce Award Candidate  
REGULATION OF POLYUNSATURATED FATTY ACID  
PRODUCTION IN THE MARINE RED ALGA *PORPHYRA*  
*YEZOENSIS*. **Angela Silvestro**, Y. Liu, A. Cary, C. Ceailles, P.  
Vouros, and D.P. Cheney. (Abstract p.8)

9:30 – 9:45am Wilce Award Candidate  
*GRATELOUPIA TURUTURU* YAMADA: TRACKING  
GROWTH AND TETRASPORE PRODUCTION OF AN  
INVASIVE RED ALGA ALONG THE CONNECTICUT  
COASTLINE, LONG ISLAND SOUND, USA. **Rebecca Gladych**,  
Charles Yarish, and George Kraemer. (Abstract p.9)

9:45 – 10:00am Wilce Award Candidate  
UNDERSTANDING SPECIES DIVERSITY IN THE RED ALGAL  
GENERA *PUGETIA* AND *EUTHORA* USING AN INTEGRATIVE  
TAXONOMIC METHOD. **Bridgette Clarkston** and Gary W.  
Saunders. (Abstract p.9)

10:00 – 10:15am Wilce Award Candidate  
GENETIC VARIATION IN *BATRACHOSPERMUM*  
*GELATINOSUM* (BATRACHOSPERMALES, RHODOPHYTA)  
FROM EASTERN NORTH AMERICA. **Denise L. House** and  
Morgan L. Vis. (Abstract p.10)

10:15 – 10:30am Wilce Award Candidate  
DISTRIBUTION, DENSITY, AND IMPACT OF INTRODUCED  
ASIAN *PORPHYRA YEZOENSIS* IN THE NORTHWESTERN  
ATLANTIC. **Jeremy Nettleton**, Chris Neefus, and Arthur  
Mathieson. (Abstract p.10)

**10:30 – 10:45am**      **Break (MUB 330/332)**

**SESSION 2**                      **Student Presentations**                      **Moderator: Susan Brawley**

**10:45 – 11:00am**      Wilce Award Candidate  
WHAT IS THE FATE OF METABOLIC NITROGEN IN  
DESICCATED SPECIES OF *PORPHYRA*? **Jang K. Kim**, George P.  
Kraemer, Charles Yarish. (Abstract p.11)

**11:00 – 11:15am**      Wilce Award Candidate  
ACID MINE DRAINAGE AND AGRICULTURAL IMPACTS ON  
STREAM DIATOM COMMUNITIES. **Nathan J. Smucker** and  
Morgan L. Vis. (Abstract p.11)

**11:15 – 11:30am**      Wilce Award Candidate  
SIMULATION OF THE SOLAR UV-B SPECTRUM IN THE  
LABORATORY USING FLUORESCENT LAMP EMISSIONS.  
DOES IT MAKE A DIFFERENCE IN THE INHIBITION OF  
PHOTOSYNTHESIS? **Priya Sampath-Wiley** and L.S. Jahnke.  
(Abstract p.12)

**11:30 – 11:45am**      Wilce Award Candidate  
MECHANISM FOR DIFFERENTIAL DESICCATION  
TOLERANCE IN *PORPHYRA* SPECIES **Yen-Chun Liu**, D. Cheney,  
M. Miljkoic and F. Hennequart. (Abstract p.12)

**11:45 – 12:00pm**      Wilce Award Candidate  
BARCODING BROWN ALGAE: CRYPTIC DIVERSITY IN THE  
CANADIAN PHAEOPHYCEAE. **Daniel McDevit** and Gary W.  
Saunders. (Abstract p.13)

**12:00 – 1:15pm**      **Lunch at Holloway Commons** (Ticket in Packet)

**SESSION 3**                      **Student & Contributed Papers**                      **Moderator: Gary Saunders**

**1:15 – 1:30pm**      President's Award Candidate  
*ULVA LACTUCA* UPTAKE OF POLYCHLORINATED  
BIPHENYLS, (PCBs) AND ITS POSSIBLE USE AS A  
BIOREMEDIATION AGENT. **Jocelyn Mitchell**, D. Cheney, D.  
Aulio, and K. Gardner. (Abstract p.13)

- 1:30 – 1:45pm** President's Award Candidate  
LIGHT STRESS-RELATED GENE DISCOVERY IN *EUGLENA GRACILIS* USING AN EXPRESSED SEQUENCE TAG APPROACH. **Jonathan Neilson** and D.G. Durnford. (Abstract p.14)
- 1:45 – 2:00pm** Contributed Paper  
ASSESSING REPRODUCTIVE POTENTIAL OF NON-INDIGENOUS RHODOPHYCEAN ALGA, *GRATELOUPIA TURUTURU*, IN LONG ISLAND SOUND. **Andrea M. Caruso**, Charles Yarish, G.P. Kraemer, R. Gladych. (Abstract p.14)
- 2:00 – 2:45pm** Contributed Paper  
VIABILITY OF SYMBIOTIC ALGAE FOLLOWING PREDATION ON THEIR HOST SEA ANEMONE. **Gisele Muller-Parker**, Sarah Bachman and Barbara Seavy. (Abstract p.15)
- 2:45 – 3:00pm** Contributed Paper  
A FACULTATIVE, OPPORTUNISTIC PATHOGEN OF A LITTORAL ZONE ALGA. **Dan Cooley**, R.F. Mullins, and R.T. Wilce. (Abstract p.15)
- 3:00 – 3:15pm** Contributed Paper  
ENDOSYMBIOTIC GENE TRANSFER IN CRYPTOPHYTE ALGAE: WHERE DID THE NUCLEOMORPH GENES GO? **Christopher Lane**, J. Archibald. (Abstract p.16)
- 3:15 – 3:30pm** Contributed Paper.  
OPTIMUM GROWTH TEMPERATURES OF THREE SPECIES OF GREEN CHLOROMONAS SNOW ALGAE FROM UPSTATE NEW YORK AND THE WHITE MOUNTAINS, ARIZONA **Ronald W. Hoham**, F.M. Frey, W.W. Mohn, J.H. Felio, S. Todd, J.E. Duncan, and J.B. Banghart (Abstract p.16)

**SESSION 4 Poster Presentations (MUB 330/332)**

**3:30 – 4:30pm Posters**

**Distinguished Speaker Presentation (MUB Theater II)**

**4:30 – 5:30pm** **AlgaeBase** - Michael Guiry, Martin Ryan Institute, NUI Galway (Abstract p.31)

**Social and Banquet (New England Center, Great Bay Room)**

**6:30 – 7:00pm** **Social**

**7:00 – 10:00pm** **Banquet, Awards and Auction**

**Sunday, April 22, 2007**

- 8:00 – 8:45am** Continental Breakfast (MUB 330/332)
- 8:45 – 9:00am** Announcements (MUB Theater II)
- SESSION 5** **Contributed Papers** **Moderator: Chris Lane**
- 9:00 – 9:15am** Contributed Paper  
MULTIPLE ASSESSMENTS OF INTRODUCED SEAWEEDS IN THE NORTHWEST ATLANTIC. **Arthur C. Mathieson**, J. Pederson, C. D. Neefus, C. J. Dawes, T. Bray. (Abstract p.17)
- 9:15 – 9:30am** Contributed Paper  
ASSESSING MITOCHONDRIAL CYTOCHROME B FOR DNA BARCODING IN DINOFLAGELLATES. **Senjie Lin**, Huan Zhang, Yubo Hou and Lilibeth Miranda. (Abstract p.17)
- 9:30 – 9:45am** Contributed Paper  
CHANGES IN COMPOSITION OF ROCKWEED (*ASCOPHYLLUM NODOSUM*) BEDS DUE TO POSSIBLE ENVIRONMENTAL CHANGE IN EASTERN CANADA. **Raul Ugarte** and Alan Critchley. (Abstract p.18)
- 9:45 – 10:00am** Contributed Paper  
CHRYSOPHYTES AND DIATOMS FROM AN EOCENE ARCTIC LAKE: IMPLICATIONS FOR BIOGEOGRAPHY, AND EVOLUTIONARY STASIS. **Peter A. Siver** and A.P. Wolfe. (Abstract p.18)
- 10:00 – 10:15am** Contributed Paper  
SUBMERSED PLANTS OF THE INDIAN RIVER LAGOON: A FLORISTIC INVENTORY AND FIELD GUIDE. Diane S. Littler, Mark M. Littler and **M. Dennis Hanisak**. (Abstract p.19)
- 10:15 – 10:30am** Contributed Paper  
UPDATED MORPHOLOGICAL AND MOLECULAR INVESTIGATIONS OF THE GENUS BOTRYOCLADIA (RHODOPHYTA, RHODYMENIACEAE) IN BERMUDA, INCLUDING THREE NEW SPECIES. **Craig Schneider** and C. E. Lane. (Abstract p.19)
- 10:30 – 10:45am** **Break (MUB 330/332)**
- SESSION 6** **Phyco-Speed Dating** **Moderator: Jessica Muhlin**
- 10:45 – 11:15am** Phyco-Speed Dating
- General Business Meeting and Student Awards (MUB Theater II)**
- 11:15 – 12:00pm** Student Awards and General Business Meeting
- 12:00 – 1:00pm** **Brunch at Holloway Commons**  
(Ticket distributed at Business Meeting)