

# Philip Bucolo Ph.D.

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## **Education:**

University of Alabama at Birmingham.....2006–2011  
Birmingham, Alabama 35294-1170

- Ph.D. in Biological Sciences

Mississippi State University.....2004–2006  
Mississippi State, Mississippi 39762

- Masters in Biological Sciences

Loyola University New Orleans.....1999–2003  
New Orleans, Louisiana 70118

- Bachelor of Science

## **Research Experience:**

Post Doctoral Fellow.....2012–present

- Kenneth H. Dunton Ph.D.
- University of Texas at Austin Marine Science Institute

Graduate Research Assistant.....2006–2011

- Charles D. Amsler Ph.D.
- University of Alabama at Birmingham & Palmer Station, Antarctica

Graduate Research Assistant.....2004–2006

- Michael J. Sullivan Ph.D.
- Mississippi State University

Undergraduate Research Fellowship.....2001–2003

- James L. Wee Ph.D.
- Loyola University New Orleans

Laboratory and Field Technician.....May 2003–Dec 2003

- James L. Wee Ph.D.
- Loyola University New Orleans

## **Teaching Experience**

Course Instructor, Environmental Science.....June 2011–Dec 2011

Teaching Assistant, Introductory Biology II.....Jan 2006–Aug 2010

Teaching Assistant, Environmental Science.....Aug 2009–Dec 2010

Teaching Assistant, Topics in Contemporary Biology.....Aug 2005–Aug 2006

- University of Alabama at Birmingham

Teaching Assistant, Studies of the Plant and Fungi Kingdoms.....2004–2005

- Mississippi State University

### **Paper Publications:**

Bucolo P., Sullivan M.J. & Zimba P.V. 2008. Effects of nutrient enrichment on primary production and biomass of sediment microalgae in a subtropical seagrass bed. *Journal of Phycology*. 44:874-881.

Bucolo P., Amsler C.D., McClintock, J.B. & Baker, B.J. 2011. Palatability of the Antarctic rhodophyte *Palmaria decipiens* (Reinsch) RW Ricker and its endo/epiphyte *Elachista antarctica* Skottsberg to sympatric amphipods. *Journal of Experimental Marine Biology and Ecology*. 396: 202-206.

Becker S., Quartino M.L., Campana G.L., Bucolo P., Wiencke C. & Bischof K. 2011. The Biology of an Antarctic Rhodophyte, *Palmaria decipiens*: an overview of recent advances. *Antarctic Science*. 23:419-423.

Bucolo P., Amsler C.D., McClintock J.B. & Baker B.J. 2012. Effects of macroalgal extracts on spore behavior of the Antarctic epiphyte *Elachista antarctica*. *Journal of Phycology*. *in press*.

Bucolo P., Amsler C.D., McClintock J.B. & Baker B.J. 2012. Phototactic responses of *Elachista antarctica* (Phaeophyceae) spores. *Botanica Marina*. accepted, August 2012.

Bucolo P., Amsler C.D. & Sullivan M.J. Phototactic and chemotactic responses of an epiphytic diatom from a subtropical seagrass bed. *Diatom Research*. In preparation.

### **Abstract Publications:**

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. 2011. Chemoresponses of motile propagules of the Antarctic epiphyte *Elachista antarctica* in the presence of hydrophilic extracts of sympatric rhodophytes. *Journal of Phycology*, 47 (sup) 81-508

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. 2010. Phototactic responses of swimmers of the Antarctic epiphyte *Elachista antarctica*. *Phycologia*, 8 (sup 4):14.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. 2009. Phototactic responses of swimmers of the Antarctic epiphyte *Elachista antarctica*. *Journal of Phycology*, 45 (sup):13-14.

Bucolo, P., Amsler, C.A., McClintock, B.J. & Baker, B.J. 2008. Palatability of *Palmaria decipiens* and its endo/epiphyte *Elachista antarctica* to four common Antarctic amphipods. *Journal of Phycology*, 43 (sup):63.

Bucolo, P., Amsler, C.A., McClintock, B.J. & Baker, B.J. 2006. Phototactic responses of *Elachista antarctica* Skottsburg swimmers. *Journal of Phycology*, 42 (sup):32.

Bucolo, P., Sullivan, M.J. & Zimba P.V. 2006. Effects of nutrient enrichment on biomass and primary production of sediment microalgae in *Halodule wrightii* Ascherson (shoalgrass) beds. *Journal of Phycology*, 42 (sup):32.

### **Selected Presentations and Posters:**

Bucolo, P. Invited seminar speaker. Responses of two heterokonts to changes in their microenvironments. Piedmont College, Demorest, GA & Loyola University New Orleans, New Orleans, LA, November 2012.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Effects of macroalgal chemical extracts on spore behavior of the Antarctic epiphyte *Elachista antarctica*. Phycological Society of America Conference. Seattle, WA, July 2011.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Extracts from chemically defended macroalgae of the Western Antarctic Peninsula affect behaviors of a sympatric epiphyte's reproductive propagules. Benthic Ecology Meeting. Mobile, AL, March 2011.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Chemokinetic responses of motile propagules of the Antarctic epiphyte *Elachista antarctica* in the presence of hydrophilic extracts of sympatric rhodophytes. Phycological Society of America Conference. E. Lansing, MI, August, 2010.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. The curious case of *Elachista antarctica*: palatability differences between epiphyte and host, and factors affecting reproductive propagules. Benthic Ecology Meeting, Wilmington NC, March, 2010.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Phototactic responses of swarms of the Antarctic epiphyte *Elachista antarctica*. International Phycological Congress. Tokyo, Japan, August, 2009.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Phototactic responses of swarms of the Antarctic epiphyte *Elachista antarctica*. Scientific Committee on Antarctic Research Conference, Sapporo, Japan, August, 2009.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Phototactic responses of swarms of the Antarctic epiphyte *Elachista antarctica*. Phycological Society of America Conference, Honolulu, HI, July, 2009.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Phototactic responses of swarms of the Antarctic epiphyte *Elachista antarctica*. Benthic Ecology Meeting, Corpus Christi, TX, March, 2009.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Continuation of Palatability of *Palmaria decipiens* and its endo/epiphyte *Elachista antarctica* to four common Antarctic amphipods. Phycological Society of America Conference, Loyola University New Orleans, August, 2008.

Bucolo, P., Amsler, C.A., McClintock, J.B. & Baker, B.J. Palatability of *Palmaria decipiens* and its endo/epiphyte *Elachista antarctica* to four common Antarctic amphipods. Phycological Society of America, International Society of Protistologists Conference. Providence, RI, August, 2007.

Bucolo, A.P., Sullivan, M.J. & Zimba P.V. Effects of nutrient enrichment on biomass and primary production of sediment microalgae in *Halodule wrightii* Ascherson (shoalgrass) beds. Phycological Society of America Conference. Juneau, AK, July 2006.

Bucolo, A.P., Sullivan, M.J. & Zimba P.V. Effects of nutrient enrichment on biomass and primary production of sediment microalgae in *Halodule wrightii* Ascherson (shoalgrass) beds. Southeastern Phycological Colloquy. Dauphin Island, AL, October 2005.

Bucolo, A.P. & Wee J.L. The influence of fluctuating salinity on phytoplankton assemblages in the Lake Ponchartrain Basin. 17th Biennial Estuary Research Federation, Seattle, WA, September 2003.

### **Field Courses:**

Freshwater Algae, Instructor: James L. Wee Ph.D., Iowa Lakeside Laboratory, Lake Okoboji, IA. May 2002.

Ecology of Diatoms, Instructors Mark Edlund Ph.D., and Sarah Spaulding Ph.D., Iowa Lakeside Laboratory, Lake Okoboji, IA. June 2003.

### **Grants and Awards:**

ASPIRE innovative research grant, University of Texas at Austin, 2012

Harold C. Bold Award, best student paper, Phycological Society of America, 2011.

Phycological Society of America, Hoshaw Travel Grant, 2011.

National Science Foundation, Scientific Committee on Antarctic Research Travel Grant, 2009.

University of Alabama at Birmingham, Graduate Student Association Travel Grant, 2009.

Phycological Society of America, Hoshaw Travel Grant, 2009.

University of Alabama at Birmingham, Graduate Student Association Travel Grant, 2007.

Phycological Society of America, Hoshaw Travel Grant, 2006.

University of Alabama at Birmingham, Graduate Student Association Travel Grant, 2006.

Richard Frank Grant, Loyola University Student Government Association to support honors thesis research, 2002.

**Appointments and Service:**

Psychological Society of America Membership Committee, 2011.

Psychological Society of America Education Committee, 2010.

Psychological Society of America Publications Committee member, 2009.

Chairman of Activities and Service Committee, Graduate Student Association, UAB, 2008-2009.

UAB Antarctica website/educational outreach contributor & presenter 2007-2009.

Psychological Society of America Program Committee student representative, 2007- 2008.

Graduate Student Association Senator, UAB, 2007 - 2009.

**References:**

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