

**Mary-Susan Potts Santone, Ph.D.**

*Curriculum Vitae*

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**Education**

Ph.D. in Zoology, 1993, University of New Hampshire, Durham, NH  
Dissertation: Effects of Hematopoietic Neoplasia on Physiological Processes in the Soft-Shell Clam, *Mya arenaria* (Linne.). Advisor: John Sasner, Ph.D.

B.A. (Magna cum laude), 1987, Suffolk University, Boston, MA, major: Biochemistry

**Employment History**

2016 – present *Teaching Professor*  
Biology Department, Northeastern University, Boston, MA  
Courses: *Human Parasitology, General Biology 1, 2, Biology at NU*  
Biology Dept. Liaison to Bouvé College of Health Sciences; Academic Advisor; Academic Liaison to N.U.in Program (2012 – present); Assoc. Marshal of University Cadre

2008 – 2016 *Associate Teaching Professor*  
Biology Department, Northeastern University, Boston, MA  
Courses: *Human Parasitology, General Biology 1, 2, Invertebrate Zoology, Biology at NU*  
Biology Dept. Liaison to Bouvé College of Health Sciences; Academic Advisor; Academic Liaison to N.U.in Program (2012 – present)

2003 - 2008 *Assistant Academic Specialist*  
Biology Department, Northeastern University, Boston, MA  
Courses: *General Biology 1, 2, Invertebrate Zoology*  
Biology Dept. Liaison to Bouvé College of Health Sciences; Academic Advisor

1999 - 2003 *Lecturer*  
Biology Department, Northeastern University, Boston, MA  
Courses: *General Biology, Animal Biology, Marine Invertebrate Zoology, Integrated Human Anatomy and Physiology 1, 2, 3*

1993 - 1999 *Part-time Lecturer*  
Biology Department, Northeastern University, Boston, MA  
Courses: *Integrated Human Anatomy and Physiology 1, 2, 3, Introduction to Human Biology, General Biology, Animal Biology*

1992 - 1999 *Instructor*  
Summers Zoology Department, University of New Hampshire, Durham, NH  
Courses: *Human Anatomy and Physiology 2*

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### **Employment History**

1987 - 1992                    *Teaching Assistant*  
Zoology Department, University of New Hampshire, Durham, NH  
Courses: *Principles of Zoology, Comparative Animal Physiology,*  
*Human Anatomy and Physiology*

### **Scholarship**

2013 – present: Active Contributor to **Discover Life** ([www.discoverlife.org](http://www.discoverlife.org)) - Moth Project

### *Refereed Articles*

Potts-Santone, MS, 2008. "Voices from the Classroom: First-Person Accounts" in *Pedagogy and Student Services for Institutional Transformation: Implementation Guidebook for Faculty and Staff*, editors E. Goff and J. Higbee, University of Minnesota, Minneapolis, MN.

Burn, P.R., **Potts, M.S.**, Moore, R.H., Fischman, A., and Strauss, H.W. 1993.  
Tissue distribution and excretion of 99mTc-disofenin in three marine species: *Pleuronectes americanus* (winter flounder), *Homarus americanus* (lobster), *Mya arenaria* (soft-shell clam). *Marine Biology*, 116: 355 - 361.

### *Abstracts*

Potts, M.S. 1996. Effects of hematopoietic neoplasia on reproduction and population size distribution in the soft-shell clam. *Journal of Shellfish Research*. 15:519.

Potts, M.S., Burn, P.R., Sasner, J.J., Moore, R.H., Fischman, A., and Strauss, H.W., 1992. Effects of hematopoietic neoplasia on the soft-shell clam, *Mya arenaria*. *Journal of Nuclear Medicine*. 33:998.

### *Other*

Hampf, P., Roth, A., Gilbert, A, and **Potts-Santone, M.S.**, 2007. *Laboratory Manual for Integrated Human Anatomy and Physiology*. McGraw-Hill Companies.

### **Grants – Internal: Funded**

Sharby, N, Sidoti, M, **Potts-Santone, M.S.**, Matthews, S., Seltzer, C., Greenwald, D. NU *Fostering Universal Instructional Design at Northeastern University* - \$2,300.  
Provost's Instructional Development Grant (July 2008 – June 2009)  
Workshop: "*Developing Teaching Strategies to Successfully Reach More Students More of the Time*" with follow-up Teaching circles (Spring 2009)

Potts-Santone, M.S., "Design and Development of General Biology 1 and 2" Northeastern University Summer Curriculum Development Project, Summer 2003. \$2,000.

### **Invited Talks**

Faculty Panelist – "Content Boot Camp for Today's Classroom: in the Trenches with Instructors, Society for Scholarly Publishing, 36<sup>th</sup> Annual Meeting. Boston, MA. May 2014.

Faculty Panelist – "The blind men and the elephant: how different constituencies perceive e-books," Association of College and Research Libraries (New England Chapter; CDIG/SERIG Joint Meeting) MA College of Pharmacy and Health Sciences, April 2012.

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### **Invited Talks**

Presenter - "Tegrity" - NU Educational Technology – Teaching with Technology mini-conference. May 2011

Videotaped interview - NU Educational Technology Center Conversation on Teaching, Learning and Technology - "Strategies for Teaching Large Classes." Spring 2011.

### **Teaching and Advising**

#### *Teaching Awards*

- 2013, 2011: Nomination for Northeastern University Excellence in Teaching Award
- 2006: Course Enhancement Honorable Mention for the Effective Use of Technology in *General Biology 2*, Educational Technology Center, Northeastern Univ., Boston, MA
- 2001: Extraordinary Contribution Award, Disability Resource Center, Northeastern University, Boston, MA

#### *Activities*

- Developed new Biology course: *BIOL2327 – Human Parasitology*
- Redesigned *BIOL1114 – Lab for General Biology 2*; wrote/organized lab exercises for alternating *in lab/out of lab* schedule (Spring 2014); revamped Spring 2015
- Biology Learning Community for Freshmen with AP credit, 2007 – 2013
- Conducted Assessment Evaluation (in collaboration with NU Biology Faculty, G. Begley and R. Rosengaus) on student learning of cellular biological and evolutionary concepts in *General Biology 1*. (Fall 2011)
- Consulted on/Participated in Evolutionary Survey with *BIOL1111* students as part of an Undergraduate Research Project for Alison Robey, NU Senior Psychology Major under the direction of John D. Coley, Ph.D., Assoc. Prof., Psychology Dept., Northeastern University (Fall 2011)
- Developed new Biology course: *BIOL1115 – General Biology 1 for Engineers* (2010); Taught by other mentored faculty (Fall 2010 – present)
- Classroom Coach Pilot Program with Bouvé College (Spring, Fall 2010) – Funded by NU Provost's Office
- Piloted Tegrity (Lecture Capture) – NU Student Athlete Support Services (2010)
- Bouvé College of Health Sciences Learning Community - Health Sciences, Fall 2006; Nursing, Fall 2007

#### *Advising Activities*

My primary advising activities are focused on undergraduate students in the Biology major and those enrolled in my courses from other departments. Since 2003 I have been a faculty advisor within the Biology Department and initially was assigned a specific group of students to advise. In 2005 the Biology Department switched to a system of "walk-in" advising hours for all Biology students and those wishing to transfer into Biology. I am one of approximately 5 Biology faculty members trained and assigned to several blocks of "walk-in" advising hours each week. I also see students by appointment at their request.

Additional advising activities include the following:

- 1) Faculty Advisor to Northeastern University Pre-Veterinary Club (NUPVC) – (2005 – present)
- 2) Faculty Advisor to *Chi Delta Epsilon Chapter of Beta Beta Beta National Biological Honor Society* (2013 – present)
- 3) Advisory committees for Master's and Ph.D. students as requested.

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## **Service and Professional Development**

### **Service to the Institution**

#### *- Department Service*

Biology Department Liaison to Bouvé College of Health Sciences (2003 – present)

- Involves supervision of *General Biology*, *General Biology I for Engineers* and *Integrated Human Anatomy and Physiology* courses offered by the Biology Department and targeted to the students of Bouvé College of Health Sciences and College of Engineering. This supervision includes coordination of multi-section classes and labs and mentoring additional faculty who teach in these classes/labs. Additional responsibilities include coordination of planning and implementation of course design to meet the needs of the clientele

Biology Department Curriculum Committee (2003 – 2016)

Undergraduate Advisory Committee (2003 – present): weekly walk-in advising hours

Graduate Advisory Committees: Elizabeth Clark, M.S., May 2012  
Belinda Rubenstein, Ph.D. student (2006 – 2011)  
Arlene Santos-Diaz, M.S., May 2004

Biology Dept. Ph.D. Qualifying Exam Committee: 2006, 2008, 2014

Adhoc Student Awards Committee (2010 – present)

Biology Capstone Consultant (BIOL4701) – (2008 – present); consulted with 44 students

Laboratory Supervisor Search Committee (Summer 2013) – C. Lennon hired

Biology Dept. Curriculum Assessment Project (supported by NU Center for Innovative Teaching and Learning, June/July 2010)

#### *- College/University Service*

Representative to Non-Tenure Track Faculty Committee (2014-present)

- Non-Tenure Track New Faculty Orientation (8/28/2014)

NU Admitted Students Welcome Day: 4/17/2011, 2/19+22/2012, 3/28/2015

- Undergraduate Advisor for Biology Dept. Session and Academic Fair (8:30 am – 1 pm)

Biology Faculty Panel for Bouvé Students – “Academic Success Secrets” (2011-2013)

Faculty Advisor – Chi Delta Epsilon Chapter of *Beta Beta Beta National Biological Honor Society* (2013 – present); Initiated Chapter Installment proceedings with National Organization and NU in Summer 2013; site visit and approvals Spring/Fall 2014; 181 members inducted to date.

Faculty Advisor – Northeastern University Pre-Veterinary Club (NUPVC) (2005 – present)

Commencement Faculty Marshal – (2009 – 2015)

#### *- Service to the Discipline/Profession*

NU Representative - Eastern New England Biology Conference - (2005 – present);

- Primary Conference Organizer/Host – 71<sup>st</sup> Meeting; 4/20/2013 at Northeastern Univ. (185 Registrants: 145 Undergrads/40 Faculty from 19 Schools; 71 Posters, 32 Oral Presentations; Event cancelled on the day before because of Boston Marathon Bombing Suspect Capture - City of Boston shut-down)

Judge: Undergrad Presentations - New England Estuarine Research Society, Annual Meeting, Boothbay Harbor, ME, May 2007.

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**Service and Professional Development**

*- Service to the Community/Public*

Advisory Committee - City of Methuen, Autism Grant (2005 – 2007)

Presentations on Rocky Intertidal Zone and Guided Field Trip to Odiorne Point, Rye, NH,

Marsh Grammar School, – 3<sup>rd</sup> Grade, Methuen, MA, (June 2004, 2005, 2006)

Judge - Boston Public Schools 61<sup>st</sup> Annual Science Fair, March 2007

**Professional Development**

Entre Nous: Data Privacy Obligations for Faculty and Staff (6/16/15); NU General Counsel

Maine Green Crab Summit (12/16/2013); Univ. of ME/ME Sea Grant, Orono, ME

Writing Intensive Workshop (6/7/2011); NU Provost's Office

Tools for the Large Class (2/18/09); NU Educational Technology Center

Teaching with Technology Day (2009 - 2011); NU Educational Technology Center

Podcasting 1: Recording your lecture (6/17/09); NU Educational Technology Center