

## Curriculum Vitae

**Monica Ann Pessina, Ph.D., M.Ed., OT**  
**Department of Anatomy and Neurobiology**  
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**September 15, 2015**

### Academic Training:

1/2005 Ph.D. Boston University School of Medicine, Boston MA; Anatomy & Neurobiology  
5/1997 M.Ed. Northeastern University, Boston MA, Highest Honors; Education  
5/1990 B.S. Boston University, Boston, MA; Magna Cum Laude, Occupational Therapy

### Academic Appointments:

7/2005-present Assistant Professor of Anatomy & Neurobiology, Boston University School of Medicine  
7/2004-6/2005 Assistant Professor of Occupational Therapy, Boston University Sargent College of Health and Rehabilitation Sciences  
7/1997-6/2000 Instructor of Occupational Therapy, Boston University Sargent College of Health and Rehabilitation Sciences

### Hospital Appointments

1998-2013 Per Diem Occupational Therapist/Clinical Research Consultant, Massachusetts General Hospital, Boston, MA  
1994-1997 Director of Rehabilitation, Shriners Burns Institute, Boston, MA  
1993-1994 Senior Therapist, Shriners Burns Institute, Boston, MA  
1991-1993 Staff Occupational Therapist, Massachusetts General Hospital, Boston, MA

### Honors:

2011; 2013 Nominee for Stanley L. Robbins Award for Excellence in Teaching (Preclinical)  
2008 Young Faculty Travel Award, American Association of Anatomists  
2005 Biology Basic Science Prize Essay Award, International Society for the Study of Women's Sexual Health  
1999 Teacher of the Month- Sargent College O.T. Club  
1997 Phi Delta Kappa Honor Society for Education  
1990 Peer Recognition - Outstanding Student Award  
1989 Sargent College Alumni Scholarship  
1987 Occupational Therapy National Honor Society

### Licenses and Certification:

5/1990 Massachusetts Occupational Therapy License #3229

### Departmental and University Committees:

6/2015; 6/2015 Faculty Search Committee, BUSM Department of Anatomy  
5/2015 Search Committee for Chair of General Dentistry, BUGSDM  
11/2013-present Disciplinary Committee, BUSM  
9/2012 -present Vesalius Committee, BUSM Department of Anatomy  
9/2006-present Promotions Committee, BUGSDM  
9/2006 -present Committee of Directors of the Biomedical Sciences, BUGSDM  
9/2006-5/2010 Appointment, Promotion and Development Committee, BUSM Department of Anatomy

### **Teaching Experience and Responsibilities:**

- 9/2005- present Course Director, Anatomical Sciences II (Embryology and Gross Anatomy), Boston University, Goldman School of Dental Medicine, Boston, MA
- 9/2005-present Section Leader, Histology, Anatomical Sciences I, Boston University, Goldman School of Dental Medicine, Boston, MA
- 9/2005- present Back and Limbs Section Leader, Course Lecturer and Laboratory Instructor, Medical Gross Anatomy, Boston University School of Medicine, Boston, MA
- 9/2007-7/2011 Residency Lecture Series Coordinator and Lecturer, Psychiatry Resident Program Boston Medical Center, Boston, MA
- 6/2006-7/2009 Course Co-Director, EXCEL Summer Program, Boston University, Goldman School of Dental Medicine, Boston, MA
- 7/2004-6/2005 Course Director, Therapeutic Skills; Course Co-Director, Human Gross Anatomy, Boston University Sargent College of Health and Rehabilitation Sciences, Boston, MA
- 7/1997-6/2000 Course Lecturer; Kinesiology, Physical Disabilities, Orthopedic Pathology, Boston University Sargent College of Health and Rehabilitation Sciences, Boston, MA

### **Other Professional Activities**

#### **Professional Societies**

- 2007 – present American Association of Anatomists
- 2015 – present American Dental Education Association

#### **Local Community Service**

- 2002-2005 Americans with Disabilities Act Committee, West Newbury Board of Selectmen, West Newbury, MA

#### **Global Community Service**

- 5/2011-7/2013 Board Member, HandReach NonProfit Organization, Jamaica Plain, MA
- 7/2011, 7/2012 HandReach NonProfit Organization; Outreach Education Team, Beijing and Changsha China
- 1994-1997 Puerto Rico/Dominican Republic Burn Outreach Team (with Shriners Burns Institute)

### **Research Support:**

- 9/2012- 8/2014 Facilitating the Recovery of Function Following Stroke: The Efficacy of Inosine. National Institute of Neurological Disease and Stroke - R21NS081261 PI: Tara L. Moore
- 4/2011- 3/2013 Advanced Technologies and Regenerative Medicine, LLC (ATRM) (Co-PIs: Rosene and Moore) RR-101115-PR Efficacy of CNT0007 in a Non-Human Primate Model of Ischemic Stroke

8/2008- 7/2010 Primate Model of Stroke and Recovery in Aging. NIA-NICHHD R21AG028680-02A1.  
Tara L. Moore,

### **Invited Lectures and Conference Presentations**

- 3/2015 Igniting Minds Through Student Self-directed Group Learning: Integrated Problem Sessions (Leone C., **Pessina M.**, Whitney E. Walsh C., Sarita-Reyes C.), American Dental Education Association Board of Directors Symposium, ADEA Annual Conference Boston, MA
- 7/2012 Evidence Based Practice in Pediatric Burn Care, Invited Speaker, Air Force Hospital-Pediatric Trauma Unit Beijing, CHINA
- 3/2007 Anatomical Foundations for Therapeutic Intervention Invited Speaker: Post Graduate Course American Burn Association Annual Conference, San Diego, CA
- 10/2003 Estradiol and Testosterone Modulate Vaginal Tissue Morphology, Microvessel Density, and Innervation; Podium Presentation International Society for the Study of Women's Sexual Health Annual Conference, Amsterdam, Netherlands
- 2/1997 The Erhardt Developmental Prehension Assessment - Uses in the Pediatric Burn Population Grand Rounds Presentation Shriners Burns Institute, Boston, MA
- 12/1996 The rehabilitation process: Special Considerations for Patients with Burn Injuries (Physiatry Resident Education Series) Spaulding Rehabilitation Hospital, Boston, MA
- 4/1996 Outreach Education of the Occasional Burn Therapist: An Essential Element of Continuity of Care; Abstract Presentation, American Burn Association Annual Conference, Nashville, TN

### **Bibliography:**

#### **Original Peer-Reviewed Publications:**

Recovery of fine motor performance after ischemic damage to motor cortex is facilitated by cell therapy in the rhesus monkey. Moore TL, **Pessina MA**, Finklestein SP, Kramer BC, Killiany RJ, Rosene DL. Somatosens Mot Res. 2013 Jun 12

Recovery from ischemia in the middle-aged brain: a non-human primate model. Moore, TL, Killiany, RJ, **Pessina, MA**, Moss, MB, Finklestein, SP, and Rosene, DL. Neurobiology of Aging 2012 Mar;33(3):619.e9-619.

Assessment of motor function of the hand in aged rhesus monkey..  
Moore TL, Killiany RJ, **Pessina MA**, Moss MB, Rosene DL. Somatosens Mot Res. Jul 26. 2010;27(3):121-30

Does the availability of audio podcasts enhance the classroom experience for first year dental students? Data on use and perceived benefits. Whitney ER, **Pessina MA** Journal of Instructional Technology & Distance Learning.2008 Vol. 5. No.8.

Differential regulation of the expression of estrogen, progesterone and androgen receptors by sex steroid hormones in the vagina. **Pessina MA**, Hoyt RF Jr, Goldstein I, Traish AM. *Journal of Sexual Medicine* 2006 Sep;3(5):804-14.

Differential effects of estradiol, progesterone, and testosterone on vaginal structural integrity. **Pessina MA**, Hoyt RF Jr, Goldstein I, Traish AM. *Endocrinology*. 2006 Jan;147(1):61-9.

Effects of ovariectomy and steroid hormones on vaginal smooth muscle contractility. Kim NN, Min K, **Pessina MA**, Munarriz R, Goldstein I, Traish AM *Int J Impot Res*. 2004 Jan;16(1):43-50

### **Case Reports:**

Unilateral complete congenital serratus anterior muscle aplasia: A case report  
Chernev IT, **Pessina MA**. *Physical Medicine and Rehabilitation* Accepted January 2009 Jun;1(6):587

Acute hand burns in children: management and long-term outcome based on a 10-year experience with 698 injured hands. Sheridan RL, Baryza MJ, **Pessina MA**, O'Neill KM, Cipullo HM, Donelan MB, Ryan CM, Schulz JT, Schnitzer JJ, Tompkins RG. *Ann Surg*. 1999 Apr;229(4):558-64.

### **Book Chapter and Invited Author Publications:**

Burn Injuries **Pessina MA**, Orroth AC In : *Occupational Therapy for Physical Dysfunction*, 7<sup>th</sup> Edition  
Catherine Anne A. Trombly (Editor), Mary Vining Radomski (Editor) November 2013

Burn management: Rehabilitation. **Pessina MA**, Ellis SM. *Nurs Clin North Am*. 1997 Jun;32(2):365-74.  
Review.