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**Associate Professor**  
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**Department of Physical Therapy, Northeastern University**  
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### **EDUCATION**

Northeastern University, Boston, MA 2021  
**Doctor of Physical Therapy DPT Candidate**

BOSTON UNIVERSITY; Boston, MA  
*Ed.D. Curriculum and Teaching, Educational Media and Technology Concentration, 1995*  
Dissertation: Reflection on Experience: Self-Study of a Novice Corporate Practitioner

*M.P.H., with Health Service Concentration, 1989*  
Honor: U.S. Public Health Service traineeship grant 1986-1989

*B.S., cum laude, in Physical Therapy, 1982*

**MANAGEMENT INSTITUTE FOR WOMEN IN HIGHER EDUCATION**  
**ADMINISTRATION (HERS) Wellesley Centers for Women at Wellesley College, Wellesley, MA 02481. 2005-2006**

**Center for Authentic Leadership.** Boston, MA September 29 – October 1, 2005. The 3-day Leadership Intensive program focuses on how to generate authentic dialogue in moments of disagreement or differing points of view. As you understand the true nature of communication, you gain access to being the kind of inspired leader, parent or partner that you wish to be.

**Northeastern University Online 100 Instructor Training Certificate.** Two week course for preparing faculty to create and conduct online courses. **May, 2006.**

**Spanish Language Instruction.** Three week, 39 hour course at the Chac Mool Institute, Cuernavaca Mexico. August, 2009;

**Spanish Language Instruction for Physical Therapists.** Del Norte Seminars- 13 hour course at the Beth Israel Hospital, Boston, MA November, 2009.

**NiVivo 9 qualitative software program one day training. Boston, MA. November 2010.**

**Newton Spanish Language Center.** Level 2-3 eight week course Spanish language instruction. January-February 2012.

**Newton Spanish Language Center.** Level 3 six week course Spanish language instruction. January-February 2013.

**Newton Spanish Language Center.** Level 3 week course Spanish language instruction. May 2013; six weeks October 2013 – five weeks.

**Newton Spanish Language Center.** Level 3/4 six week course Spanish language instruction. January-February 2015.

**Newton Spanish Language Center.** Level 3/4 six week course Spanish language instruction. January-February 2016.

**Newton Spanish Language Center.** Level 3/4 five week course Spanish language instruction. January-February 2017.

**Private Spanish Lessons One hour for 6 weeks** Jan - March 2018; Jan - 2019

TOPSoccer (The Outreach Program for Soccer) certification 1/13. Community based U.S. Youth soccer program for children with disabilities.

Healthcare Provider CPR Certification. June 15,2015 Newton Wellesley Hospital.

Northeastern University Best Practices in Simulation training. Goldstein Simulation Labs January, 2020

### **LICENSURE**

Physical Therapy Licensure in Massachusetts number: 4713

### **EMPLOYMENT HISTORY**

Distinguished Visiting Professor of Chinese Air Force General Hospital. Beijing, China (2010-) NORTHEASTERN UNIVERSITY - *Bouve College of Health Sciences*; Boston, MA

**Associate Professor** (2004 -)

**Assistant Professor** (1996 -2004)

- Develop curriculum and educate physical therapy students on research methods, health science education and program planning, health policy and administration, and professional behaviors. Mentor students during graduate research study.
- Two leave of absence dates: 2/26/98 - 6/15/98; 4/6/00 - 6/15/00.
- Sabbatical: Spring 2006; Fall 2013; Fall 2020

**Academic Advisor** (1997 -1998)

- Work in the Dean's office Department of Student Services to advise six classes of physical therapy students and parents relative to course selection and curriculum progression. Conduct new student orientations, audit of course work for academic deficiencies. Educate faculty and students regarding Bouve College departmental policies pertaining to academic deficiencies or dishonesty and designing of remedial plans for correcting deficiencies. Position requires

intimate knowledge of physical therapy curriculum, academic policies and demonstration of diplomacy and tact when working with students and parents.

SIMMONS COLLEGE - *Graduate School of Health Studies*; Boston, MA

**FACILITATOR** (1995)

- Instructed graduate students in research methods and design using a problem-based learning approach.

BLUE CROSS BLUE SHIELD; Boston, MA

**SENIOR TRAINING SPECIALIST** (1994-1996)

- Created a training program and developed curriculum to instruct users corporate wide about a decision support software (MEDSTAT) designed to manage health insurance data.
- Managed minibase testing; interfaced with vendor during software implementation.

BAY STATE HEALTH CARE; Cambridge, MA

**UTILIZATION ANALYST** (1992-1994); **CLINICAL REVIEWER** (1991-1992)

- Supervised a staff of four; established a triage and tracking system for data requests.
- Managed a database used to produce reports on health care utilization by physicians and facilities.
- Researched data quality problems.
- As Clinical Reviewer, supervised staff in utilization management of services by 50 physical therapists.

CHARLES RIVER SPORTS THERAPY, INC.; Boston, MA

**SUPERVISOR** physical therapists, athletic trainers and cooperative education students (1988-1991)

BOSTON PHYSICAL THERAPY ASSOCIATES; Brighton, MA

**EDUCATIONAL CONSULTANT** (1986-1988)

- Designed an audiovisual program and written materials to teach industrial workers how to prevent low back injuries.

BRIGHAM AND WOMEN'S HOSPITAL - Multipurpose Arthritis Center; Boston, MA

**RESEARCH PHYSICAL THERAPIST** (1984-1986)

- Educated 3,000 Postal employees on low back care to reduce Workmen's Compensation Program as part of a \$1 million National Institutes of Health grant.

WINCHESTER HOSPITAL; Winchester, MA (1982-1984)

**PHYSICAL THERAPIST**

**SCHOLARSHIP/RESEARCH**

**Refereed Articles**

1. **Hayward, LM, Sellheim D, Scholl J, Joyce C.** Definition of Key Elements of Preferred Physical Therapist-Physical Therapist Assistant Working Relationships: Knowledge to Inform Academic and Clinical Education JOPTE 2021 in press.
  
2. **Hayward L, Al Awadhi A, Freitas F.** Perspective Sharing in Teaching and Learning: Inclusion of the Student Voice. *Teaching and Learning Together in Higher Education.* 2021. In Press.
  
3. Cook-Sather A, **Hayward L.** A Matter of Perspective: Two Approaches to Positioning Student Consultants on Learning and Teaching and Legitimizing Student Knowledge. *College Teaching.* 2020. 10.1080/87567555.2020.1793715.
  
4. **Hayward LM,** Fragala-Pinkham M, Introduction of a standardized assessment tool in an Ecuadorian pediatric setting: Training and evaluation of new learners *Physiotherapy Research International* 2020 In Review
  
5. Fragala-Pinkham M, **Hayward LM.** Evaluation of a Pediatric Practice-Based Learning Experience: Development of Perceived Self-Efficacy in Physical Therapy Students. *Physiotherapy Research International* 2020. In process
  
6. **Hayward L,** Sellheim D, Scholl J, Jensen G, Chesbro S. Reflection on Nancy T. Watt's Division of Physical Therapist and Physical Therapist Assistant Responsibility in Clinical Practice: Future Directions. Point of View . *Physical Therapy Journal.* 2019;99(10):1272-1277.
  
7. **Hayward L,** Fragala-Pinkham M, Schneider J, Coe M, Vargas C, Wassenar A, Emmons E, Lizzio C, Hayward J, Torres D. Exploring Community Perspectives on Disability Awareness in Latacunga, Ecuador . *Physiotherapy Research International.* 2019 epub ahead of print 6/17/19. DOI: 10.1080/09593985.2019.1630879 Impact factor 1.17.
  
8. **Hayward LM,** Schneider J, Gandhi S, Per S, Donat M, Hayward J. Evaluation of a Long-Term, Physical Therapy Service-Learning Partnership in Ecuador: Inclusion of the Community Voice. *Journal of Physical Therapy Education.* 2019; 33(3): 215-223.
  
9. **Hayward LM,** Ventura S, Schudt H, Donlon P. Student Pedagogical Teams: Engaging with Faculty in the Scholarship of Teaching and Learning. *College Teaching.* 2018; 66(1) :37-47. <https://doi.org/10.1080/87567555.2017.1405904>
  
10. **Hayward LM,** English M. What's the Task Value? Understanding Doctor of Physical Therapy Student Motivation for Learning and Valuing Evidence-Based Practice. *Journal of Physical Therapy Education.* 2018, 32(3): 300-309..

11. **Hayward LM**, Fragala-Pinkham M, Johnson K, Torres A. A Community-Based, Adaptive Soccer Program for Children with Autism: Design, Implementation, and Evaluation. *PALESTRA*. 2016. 30(4):44-50.
12. **Hayward LM**, Li L. Sustaining and Improving an International Service- Learning Partnership: An Evidenced-based Service Delivery Framework that Include the Voice of the Global Partner *Physiotherapy Research International*. 2017; 33(6):475-489. DOI: 10.1080/09593985.2017.1318425. Impact factor 1.17.
13. **Hayward LM** , Meleis W, Mahanna J, Ventura SH. An Innovative Partnership Between Physical Therapy, Speech Language Pathology, and Engineering Faculty and Students: “Enabling” Undergraduates to Collaboratively Solve Global Health Care Needs with Low Cost Technology Options . *J Phys Ther Ed*. 2016; 30(4):24-31.
14. **Hayward LM**, Greenwood K. Nippins M, Canali A. Student perceptions and understanding of client-therapist interactions within the acute inpatient environment: qualitative study. *Phys Ther*. 2015; 95(2):1-14. DOI:102522/ptj.20140207. Impact factor 3.86
15. **Hayward LM** , Li Li., Venere K, Pallais A. An Integrated International Service Learning Model: Enhancements to Include the Community Partner Perspective and Longitudinal Analysis of Program Alumni . *J Phys Ther Ed*, 2015; 29(2): 43-53.
16. **Hayward LM** , Li Li. Promoting and Assessing Cultural Competence, Professional Identity, and Advocacy in Doctor of Physical Therapist Students within a Global Community of Practice. *Journal of Physical Therapy Education*. 2014; 28(1):23-32.
17. **Hayward LM**, Black L, Jensen GM, Mostrom E, Perkins J, Ritzline P. The First Two Years of Practice: A Longitudinal Perspective on the Learning and Professional Development of Promising Novice Physical Therapists. *Phys Ther*. 2013; 93(3): 369-383.doi: 10.2522/ptj.20120214. . Impact factor 3.86
18. **Hayward LM**, Charrette AL, Li L, Swartz BC. An Inter-professional, Culturally Sensitive, and Sustainable Service Delivery Model for the Management of Children with Severe Burns Living in China. *International Journal of Public Health*. 2013; 5(3): 325-332. Impact factor 2.70
19. **Hayward, L**, Charrette A. Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. *Journal of Physical Therapy Education*. 2012. 26(1): 78-89.
20. Cahlin LP, Markowski A, Hickey M. Blackmer B, **Hayward LM**. A Cardiopulmonary Instructor’s Reflection on a Student Standardized Patient Experience: Implications for Cardiopulmonary Physical Therapy Education. *Journal of Cardiopulmonary Physical Therapy*. 2011. 22(3):21-30.
21. Black L, Jensen GM, Mostrom E, Perkins J, Ritzline P, **Hayward LM**, Blackmer B. The First Year of Practice: An Investigation of the Professional Learning and Development of Promising Novice Physical Therapists. *Phys Ther*. 2010. 90(12): 1758-1773. Impact factor 3.86

22. **Hayward LM**, Blackmer B. A Model for Teaching and Assessing Core Values Development in Doctor of Physical Therapist Students *Journal of Physical Therapy Education*. 2010. 24(3):16-26.
23. **Hayward LM**, Blackmer B. A 360-Degree Assessment Model for Fostering Reciprocal Development of Professional Behaviors and Communication Skills Across Academic and Cooperative Education Experiences. *JCEIA*. 2009. 43(11):6-15.
24. **Hayward, L**, Blackmer B. A 360 Degree Assessment Model for Integrating Technical and Professional Skills to Facilitate Successful Workplace Transition. *NACE Journal*. October 2009.
25. **Hayward, LM**, Blackmer, B, Canali, A, DiMarco, R, Aman, S, Russell, A, Rossi, J, Sloane, L. Electronic Reflective Portfolios: A Meaningful Integration of Academic and Experiential Learning. *Journal of Allied Health*. 2008.37(3):140E-159E(20).
26. **Hayward L**, Blackmer B, Raelin J. Teaching Students a Process for Reflection: A Model for Increasing Practice Based Learning Outcomes while on Cooperative Education. *JCEIA*, 2007.41(1):48-55.
27. **Hayward L**, Raelin J, Blackmer B, Sherman T, Mabrouk P, Murrell P, Manning P, Schollosser R. A Community of Practice Dedicated to Integrating Teaching, Learning, and Scholarship. *NU SoTL publication*, 2006.
28. **Hayward, LM**, Blackmer, B, Markowski, A. Standardized Patients and Communities of Practice: A Realistic Strategy for Promoting Core Values in a Physical Therapist Curriculum. *Journal of Physical Therapy Education*. 2006.20(2):29-37.
29. **Hayward, LM**, Coppola, B. Making Teaching Visible Through Technology: Reflection to Make the Invisible Explicit and Progressive. *Journal of Physical Therapy Education*.2005;19(3):30-39.
30. **Hayward LM**, Canali AC., Hill A. Interdisciplinary Peer Mentoring: An Educational Model for Developing Culturally Competent Patient Care Providers. 2005. *Journal of Physical Therapy Education*.2005;19(1):27-39.
31. **Hayward LM**. Integrating Web-Enhanced Instruction into a Research Methods Course: Examination of Student Experiences and Perceived Learning. *Journal of Physical Therapy Education*. 2004 (18)2:54-65.
32. **Hayward LM**. When Technology Bites Back: A Case Report Describing an Instructor's Experience with Online Teaching. *Journal of Physical Therapy Education*. 2003;17(1):48-54.
33. DeMarco R, **Hayward LM**, Lynch MM. Nursing Students' Experiences with and Strategic Approaches to Case-Based Instruction: A Replication and Comparison Study Between Two Disciplines. *Journal of Nursing Education*. 2002;41(4):165-174. Impact factor 0.91
34. **Hayward LM**, DiMarco R, Blackmer B, Canali A, Wong K, O'Brien M. Curriculum Based

Electronic Peer Mentoring: An Instructional Strategy for Integrative Learning. *Journal of Physical Therapy Education*. 2001;15 (4):14-25.

35. **Hayward LM**, Cairns MC. Allied Health Students' Perceptions of and Experiences with Internet-Based Case Study Instruction. *Journal of Allied Health*. 2001;30(4): 232-238.

36. **Hayward LM**, Kranz TM, Evans SM, DiMarco R. Telementoring: An Innovative Teaching Method for Stimulating the Conversation of Practice. *Journal of Physical Therapy Education*. 2001;15(3):57-66.

37. **Hayward LM**, DiMarco R, Kranz TM, Evans SM. Telementoring Using E-Mail: The Classroom to Co-op Connection. *Journal of Cooperative Education*. 2001;36(1):32-47.

38. **Hayward LM**, DeMarco R, Lynch MM. Interprofessional collaborative alliances: health care educators sharing and learning from each other. *Journal of Allied Health*. 2000;29(4):219-225.

39. **Hayward LM**, Nixon C, Jasper MP, Murphy KM, Harlan V, Swirda L, Hayward K. The process of restructuring and the treatment of obesity in women. *Health Care for Women International*. 2000;21(7):615-630.

40. **Hayward LM**, Sullivan AC, Libonati JR. Group exercise reduces depression in obese women without weight loss. *Psychological Reports Perceptual and Motor Skills Journal*. 2000;90:204-208.

41. **Hayward LM**. Becoming a self-reflective teacher: A meaningful research process. *Journal of Physical Therapy Education*. 2000;14(1):21-30.

42. **Hayward LM**, Noonan AC, Shain D. Qualitative case study of physical therapist students' attitudes, motivations and affective behaviors. *Journal of Allied Health*. 1999;28:155-164.

43. **Hayward LM**, Cairns MA. Physical therapy students' perceptions of and strategic approaches to case-based instruction: suggestions for curriculum design. *Journal of Physical Therapy Education*, 1998;12(2): 33-42.

44. Libonati JR, Glassberg HL, Cadwell M, Sullivan AM, **Hayward LM**, Brachial artery post-occlusion hyperemia strongly predicts exercise capacity. *Circulation*. 1998,17:154-156.

#### Dissertation:

1) **Hayward LM**. Reflection on experience: self-study of a novice corporate practitioner. Boston, Mass: Boston University;1995.

#### Book Chapters

Hayward LM , Charrette AL, Li L, Chinn Swartz B. **An interprofessional community-based service delivery model for the management of children with burns living in China. In Building community capacity: Case examples from around the world.** Rosemary M Caron and Joav Merrick eds. New York: Nova Science, 2012

**Hayward, LM**, DeMarco R, Lynch MM. Interprofessional Collaborative Alliances in *Allied Health Practice Issues and Trends in the New Millennium*. P. Lecca, P. Valentine, K. Lyons eds. The Haworth Press, Inc. Binghamton, NY: 2003.

### **Abstracts**

Corkery M, Cesario C, **Hayward LM**, Bakos J, Coogan E, Sheedy R. Utilization of Thrust Joint Manipulation (TJM) in Doctor of Physical Therapy Student Clinical Education Experiences: Bridging the Gap from Classroom to Clinic. *Journal of Orthopedic and Sports Physical Therapy*. 2013; 43(1):A76.

**Hayward, LM** Telementoring Using e-mail: An innovative instructional delivery method for integrating classroom and clinical practice. *Journal of Allied Health*. 2001;30:253.

Libonati JR, Glassberg HL, Caldwell T, Cox M., Incanno N, Sullivan AC, **Hayward LM**. *Brachial artery post-occlusion hyperemia strongly predicts exercise capacity*. *Circulation*. 1998;98(supp1), 156.

### **Other**

Reviewer for 5 chapters for the second edition of Kielhofner's *Research in Occupational Therapy*. 2nd edition .2017 Renee R. Taylor, Ed. FA Davis Company: Philadelphia, PA.

### **Non Peer Reviewed Publications**

**Hayward LM**, Chang A. Kinesio taping to manage drooling in children: a global mission with sustainable results. *Advance Healing*. Summer 2012.

## **PRESENTATIONS**

### **Invited:**

**Hayward LM** Therapeutic Positioning for Promoting Optimum Function in the Child Suffering from Burns. HandReach Rehabilitation Conference, Beijing, China. July, 2010.

**Hayward LM**, Blackmer B A 360-Degree Assessment Model for Fostering Reciprocal Development of Professional Behaviors and Communication Skills Across Academic and Cooperative Education Experiences.. Canadian Association for Co-operative Education National Conference. Niagara Falls, Ontario, June 2008. –**Plenary Speaker**

**Hayward L, Lowe S**. "Partnering for Funding: Strategies for Success." Northeast Regional Campus Compact Conference. Worcester, MA. April, 2004.

**Hayward L**. Physical Therapist Faculty Scholarship: Faculty Perspective. Invited speaker at the



APTA, Education Section Academic Administrators Special Interest Group (AASIG) Forum on Faculty Scholarship. San Antonio, TX, October, 2003.

## **International**

Student Pedagogical Teams: Students as Course Consultants Engaged in Process of Teaching and Learning. **Hayward LM**, Ventura S, Donlan, P. World Confederation of Physical Therapy Congress, Geneva, Switzerland, June, 2019.

**Hayward LM**, Fragala-Pinkham M, Schneider J. **Exploring Community Perspectives on Disability Awareness in Latacunga, Ecuador** . World Confederation of Physical Therapy Congress, Geneva, Switzerland, June, 2019.

Doctor of Physical Therapy Student Recognition and Understanding of Clinical Reasoning in the Inpatient Environment: A Qualitative Study. **Hayward LM**, Canali AL, Global Internship Conference, Toronto, Canada, June, 2014.

The First Two Years of Practice: A Longitudinal Qualitative Investigation of the Learning and Development of Promising Novice Physical Therapists. Mostrom E, Perkins J, Black L, Jensen G, Ritzline P, **Hayward LM**, Blackmer, B. World Confederation of Physical Therapy Congress, Amsterdam, Netherlands, June, 2011.

An Interdisciplinary, Culturally Sensitive, and Sustainable Service Delivery Model for the Management of Children with Severe Burns Living in China. **Hayward LM**, Charrette AL, Li Li. World Confederation of Physical Therapy Congress, Amsterdam, Netherlands, June, 2011.

Integrating Cultural Competence, Professional Core Values, and Evidence Based Practice: A Blended Service Delivery and Curricular Model. **Hayward, LM**, Charrette AL. World Confederation of Physical Therapy Congress, Amsterdam, Netherlands, June, 2011.

A 360-Degree Assessment Model for Fostering Reciprocal Development of Professional Behaviors and Communication Skills Across Academic and Cooperative Education Experiences **Hayward LM**, Blackmer B. WACE. Vancouver, Canada, June 2009.

Reflective Electronic Portfolios: A Design Process for Integrating Liberal and Professional Studies and Experiential Education. **Hayward LM**, Blackmer B. 15<sup>th</sup> World Conference on Cooperative Education. Singapore, June 2007

A 360-Degree Assessment Model for Students: The SoTL Experience for Faculty. Hayward LM, Blackmer B, Markowski A. 15<sup>th</sup> World Conference on Cooperative Education. Singapore, June 2007

Reflection on Experience: A Model for Teaching and Measuring Experiential Education Learning Outcomes. Hayward, LM, Blackmer B, Raelin J. 15<sup>th</sup> World Conference on Cooperative Education. Singapore, June 2007

Mostrom, E, Perkins J, Jensen G, Black L, **Hayward L**, Blackmer B, Ritzline P. The First Year of Practice: An Investigation of the Professional Development of Promising Novice Physical Therapists. APTA World Congress of Physical Therapy, Vancouver, Canada. June, 2007.

**Hayward L**, Blackmer B. Bridging the Gap: An Educational and Assessment Model that Integrates Student Development of Technical and Professional Skills. WACE International Symposium on Work-Integrated Learning. Orlando, FL. November, 2005.

Blackmer B, **Hayward L**, Canali A, DiMarco R. Digital Portfolios: Using Technology to Promote Meaningful Integration of Liberal Arts, Professional, and Practice Oriented Learning in a Physical Therapy Curriculum. WACE Boston, MA June 2005.

**Hayward L**, Blackmer B, Mabrouk P, Murrell P., Sherman T, Schlosser R. Raelin J. The Rashomon Dialogue: An Interdisciplinary Community of Practice Dedicated to Integrative Teaching, Learning and Scholarship. Third International Practice Oriented Education Conference. Boston, MA June 2005.

Barr J, Blackmer B, **Hayward L**, Reynolds J. Reflective, Professional Development, Student Portfolios to Integrate Classroom and Co-operative Education Experiences in the Health Professions. Third International Practice Oriented Education Conference. Boston, MA June 2005.

DeMarco R, Barr J, Aroian J, Schumacher G, **Hayward L**. Development of an Interdisciplinary Leadership and Management Course for the Internet: International College of Nursing (ICN) 22<sup>nd</sup> Congress. Copenhagen, Denmark, June, 2001.

Lynch M, DeMarco R, **Hayward L**. Nursing Students' Perceptions of and Strategic Approaches to Case-Based Instruction: A Replication and Comparison Study Between Two Disciplines. Sigma Theta Tau International 35<sup>th</sup> Biennial Convention. San Diego, California, November 1999.

**Hayward L**. Relationship Between Physical Therapy Student Characteristics, Classroom Behavior and Clinic Performance. 2nd World Congress on Allied Health, Telford, England, July 1997.

### **National**

Scholl J, **Hayward L**, Sellheim D, Joyce C. A Phenomenological Study of the Essential Characteristics for Effective PT-PTA Teams: Clinical and Educational Implications. APTA CSM, Orlando, FL 2021.

**Hayward L**, Fragala-Pinkham M. Implementation of an adaptive soccer program for youth with disabilities at an orphanage in Ecuador. APTA CSM, Orlando, FL 2021.

**Hayward L**, Scholl J, Sellheim D, Joyce C. **A Phenomenological Study of the Essential Characteristics for Effective PT-PTA Teams: Clinical and Educational**

**Implications.** APTA. Educational Leadership Conference. Milwaukee, Wisconsin October,16-18, 2020.

Bangs D, Hayward L, Donlan P. **Teaching cultural humility using an innovative poster hall approach.** APTA Educational Leadership Conference. Milwaukee, Wisconsin, October,16-18, 2020

Fragala-Pinkham M, **Hayward LM.** **Evaluation of a Pediatric Practice-Based Learning Experience: Development of Perceived Self-Efficacy in Physical Therapy Students** APTA Combined Sections Meeting. Denver, CO, February, 2020

**Hayward LM, Schneider J, Hayward J.** Using a Community Based Participatory Research Framework for Evaluation of a Long-Term International Service-Learning Partnership. APTA Combined Sections Meeting. Washington, DC, January, 2019.

**Hayward LM, Cesario C, Yen S, Canali A.** Reflection within a Community of Practice: A Model of Integrated Clinical Education" . APTA Combined Sections Meeting. Washington, DC, January, 2019.

**Hayward LM, Schneider J, Ghandi S, Per S, Hayward J.** An Innovative Framework for Deepening Reciprocity and Sustaining Academic-International Service-Learning Partnerships. IARSCLE meeting. New Orleans, LA, July, 2018.

**Hayward LM, Understanding Doctor of Physical Therapy Students' Motivation to Value and Apply Evidence-Based Practice.** APTA Combined Sections Meeting. San Antonio, TX, February, 2017.

Hack L, **Hayward LM,** Bello-Hass V, Gordon S, Laufer Y, Swisher L, Fell D, Maring J, Wainwright S, Plack M, Kelly S, McInnis P. **Proposal** Connecting educational research to theory and concept: Lessons from JOPTE APTA Combined Sections Meeting. San Antonio, TX, February, 2017.

**Hayward LM, Meleis W, Ventura S, Mahanna.** An Innovative Partnership Between Physical Therapy, Speech Language Pathology, and Engineering Faculty and Students: “Enabling” Undergraduates to Collaboratively Solve Global Health Care Needs with Low Cost Technology Options . APTA Combined Sections Meeting. Anahiem, CA, February, 2016.

Carey J, Footer C, Hartman J, **Hayward LM,** Landry M, Magnusson D, Mulligan N, Sawyer K. Benefit or Burden – Guidelines for Responsible Global Health Experiences. Two hour session. APTA Combined Sections Meeting. Anahiem, CA, February, 2016.

**Hayward LM.** Sustaining an International Service Learning Partnership: Inclusion of both the Community Perspective International Association for Research on Service Learning and Community Engagement Annual Conference. Boston, MA. November, 2015.

**Hayward LM.** Greenwood K, Nippins M, Canali A. Student Perceptions and Understanding of

Clinical Reasoning in the Inpatient Environment: A Qualitative Study. APTA Combined Sections Meeting. Indianapolis, Indiana, February, 2015.

**Hayward LM, Dwyer AM.** An Educational Approach for Facilitating a Compassionate, Culturally Sensitive and Interprofessional Environment within a Rehabilitative Setting .APTA Combined Sections Meeting. Las Vegas, NM, February, 2014.

**Hayward LM, Venere K, Pallais A.** An Integrated Educational Model: Evaluation, Enhancement, and Sustainment of an International Service Learning Partnership. APTA Combined Sections Meeting. Las Vegas, NM, February, 2014.

**Hayward LM, Li Li.** Promoting and Assessing Cultural Competence, Professional Role Formation, and Advocacy in Doctor of Physical Therapist Students within a Community of Practice. APTA Combined Sections Meeting. San Diego, Calif, January, 2013.

**Hayward LM.** International Community Engagement: Connection to Self, Place and Profession. International Association for Research on Service Learning and Community Engagement Annual Conference. Baltimore, MD. September, 2012.

**Hayward LM, Charrette AL, Li Li.** Global Collaboration for Best Practice: An Inter-Professional Service Delivery Model for the Treatment of Children with Burns Living in China. APTA Combined Sections Meeting. Chicago, Ill, February, 2012.

**Hayward LM, Gardinier L.** Global Community Engagement: Educational Benefits and Challenges for Faculty Leaders. International Association for Research on Service Learning and Community Engagement Annual Conference. Chicago, Ill. November, 2011.

**Hayward LM.** The Intersection of Cultural Competence and Professional Role Formation: A Curricular Model for Global Service Delivery. International Association for Research on Service Learning and Community Engagement Annual Conference. Chicago, Ill. November, 2011.

**Hayward LM, Charrette, A.** Integrating Cultural Competence, Core Values Development, and Evidence Based Practice: An Innovative Model Combined Sections Meeting, New Orleans, LA, February 2011.

**Hayward LM, Charrette, A.** International Service Learning: Development of Cultural Competency and Core Values in DPT Students. Combined Sections Meeting, San Diego, CA, February 2010.

**Hayward LM, Blackmer, B.** Teaching and Assessing Core Values Development in Doctor of Physical Therapist Students. Generalists in Medical Education Annual Meeting. Boston, MA November, 2009.

**Hayward LM, Blackmer B.** A 360-Degree Assessment Model for Fostering Knowledge Translation, Professional Skills Development and Faculty Scholarship Across a Curricula. ASPE Las Vegas, NV, June 2009

**Hayward LM**, Charrette, A. Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans APTA Combined Sections Meeting. Las Vegas, NV, February, 2009.

**Hayward LM**, Markowski, A., Hickey, M, Lowe, S., Golub-Victor, A., Larrieux, S. Facilitation of Professional and Communication Skills Development in a Doctorate of Physical Therapy Curricula: A 360-Degree Assessment Model for Students and Faculty. Generalists in Medical Education Annual Meeting. San Antonio, TX. October, 2008.

**Hayward LM**, Lowe, S., Golub-Victor, A., Larrieux, S. A 360-degree assessment model for fostering the development of professional behaviors and communication skills in physical therapist students. ASAHP Annual Meeting, Baltimore, MD. October, 2008.

Mostrom, E, Perkins J, Jensen G, Black L, **Hayward LM**, Blackmer B, Ritzline P. The First Two Years of Practice: Exploring the Learning and Professional Development of Promising Novice Physical Therapists. APTA Combined Sections Meeting. Nashville, TN, February, 2008.

**Hayward LM**, Blackmer B, Raelin J. Teaching Students a Process of Reflection: A Model for Increasing Practice-Based Learning Outcomes during Cooperative Education. Cooperative Education and Internship Association National Conference. Dallas, TX, April 2007.

Mostrom, E, Perkins J, Jensen G, Black L, **Hayward LM**, Blackmer B, Ritzline P. The First Year of Practice: An Investigation of the Professional Development of Promising Novice Physical Therapists. APTA Combined Sections Meeting. Boston, MA, February, 2007.

**Hayward LM**, Blackmer B, Markowski, A, Hickey M, Cahalin L. A 360-Degree Assessment Model for Students: The SoTL Experience for Faculty. APTA Combined Sections Meeting. Boston, MA, February, 2007.

**Hayward LM**, Canali A, DiMarco R, Blackmer B. Electronic Portfolios: A Creative Opportunity for Integrating the Academic Study and Practice Oriented Experiences of Physical Therapist Students. New England Assessment Conference Fall Forum Connecticut College, October, 2005

**Hayward LM**, McCarron C, Blackmer B, Canali A, DiMarco R. Digital Portfolios: a creative opportunity for integrating academic study, and practice oriented experiences of physical therapist students. Three-hour continuing education session presented at the Annual APTA Meeting. Boston, MA, June, 2005.

Jensen G., Graham C., Hasson S, **Hayward LM**, Mostrom E., Reynolds P., Selheim D. Building a Scholarly Agenda: Qualitative Dissertation to Academic Career. Three-hour symposium presented at the APTA Combined Sections Meeting. New Orleans, LA, February, 2005.

**Hayward LM**, Blackmer B. Practice Oriented Education: Creation of Learning Communities that Inform Student Assessment Using the Standardized Patient. APTA Combined Sections

Meeting. New Orleans, LA, February, 2005.

Cormack J, Mostrum, E, **Hayward LM**, Kettenbach G. Exploring Teaching and Learning in Clinical Education: The Role and Promise of Qualitative Research. Three-hour course presented at the APTA Combined Sections Meeting. Nashville, TN, February, 2004.

**Hayward L**, Blackmer B, Canali A, DiMarco R. Digital Portfolios: a creative opportunity for integrating academic study, liberal arts and experiential education of physical therapist students. APTA Combined Sections Meeting. Nashville, TN, February, 2004.

**Hayward L**, Lowe S. Building community bridges: service learning an educational strategy for physical therapist student involvement in the health promotion and fitness of urban multicultural youth. APTA Combined Sections Meeting. Nashville, TN, February, 2004.

**Hayward L**, Canali A. Interdisciplinary Peer Mentoring: A Strategy for Promoting Culturally Sensitive Patient Care Education. APTA Combined Sections Meeting. Tampa, FL, February, 2003.

**Hayward L**, Lesh S, Chapman T. A Tale of Three Cities: Three University's Experiences with Infusing Technology into the Physical Therapy Curriculum. Four-hour course presented at the APTA Combined Sections Meeting. Tampa, FL, February, 2003.

**Hayward L**, Tran BQ, Savard L, Elliot J. Telehealth and Reflective Practice. Two-hour panel on telehealth presented at the APTA Combined Sections Meeting. Tampa, FL, February, 2003.

**Hayward L**, DiMarco R, Blackmer B, Canali A. Experiences that Enlighten: Curriculum-Based Peer Mentoring Moving Paper Cases of Yesterday into Today's Web Assisted World. Cooperative Education Association National Conference. Albuquerque, NM, April 2002.

**Hayward L**. Invited speaker on an International Research Symposium: Implications and Challenges of Co-op Research and Assessment. Cooperative Education Association National Conference. Albuquerque, NM, April 2002.

**Hayward, L**, DiMarco, RM, Blackmer, B, Canali, A, Wong, K., O'Brien, M. Curriculum-Based Electronic Peer Mentoring: An Educational Strategy for Integrative Learning. APTA Combined Sections Meeting. Boston, MA, February, 2002.

**Hayward L**. Telementoring Using E-mail: An Innovative Instructional Delivery Method for Integrating Classroom and Clinical Practice. The Association of Schools of Allied Health Professions ASAHP National Conference, Norfolk, VA, October, 2001.

**Hayward L**, Di Marco, R., Kranz T, Evans S. Telementoring Using E-Mail: A Method for Connecting Classroom and Clinical Practice. APTA Combined Sections Meeting. San Antonio, TX, February 2001.

**Hayward L**, Di Marco R. Effective Methods of Integrating the Classroom and the Workplace.

Practice- Oriented Education. National Conference at Northeastern University. Boston, MA, April, 2001.

**Hayward L**, Di Marco R, Kranz T, Evans S. Northeastern University's Classroom to Co-op Connection Program. Cooperative Education Association National Conference. Salt Lake City, UT, June 2000.

**Hayward L**. Becoming a Self-Reflective Teacher: A Meaningful Research Process. APTA Combined Sections Meeting. New Orleans, Louisiana, February 2000.

**Hayward L**, DeMarco R, Lynch M. Assessment Based on Abilities: Students Solving Complex Problems with Quality Outcomes. American Association Higher Education Assessment Conference. Denver, Colorado, June 1999.

**Hayward L**, Libonati J, Sullivan A. Cardiovascular Risk Factor Modification in Obese Individuals Following a Holistic Weight Loss Program. Combined Sections Meeting of the APTA, Section on Research, Boston, MA. February, 1998.

## **REGIONAL**

**Hayward LM**, Li Li. An Interprofessional Community-Based Service Delivery Model for the Management of Children with Burns Living in China. APTA MA Chapter Meeting. Babson College, Wellesley, MA. November 2012

**Hayward LM**, Blackmer B. Creation of Learning Communities that Inform Student Assessment Using the Standardized Patient We're Teaching But are Students Learning? A Colloquium on the Scholarship of Teaching and Learning. New England Faculty Development Conference. Middlesex Community College, June, 2006.

DeMarco R, Barr J, Aroian J, Schumacher G, **Hayward L**. Development of an Internet Based Healthcare Leadership/Management Course for Undergraduate Students: An Interdisciplinary Research and Educational Project. Eastern Nursing Research Society 13<sup>th</sup> Annual Scientific Sessions, Atlantic City, NJ. April, 2001.

**Hayward L**, Cairns M. Students' Perceptions of and Strategic Approaches to Case-Based Instruction. 5<sup>th</sup> Annual New England Lilly conference on College and University teaching. Boston, MA, October 1999.

**Hayward L**. Students' Responses and Approaches to Case-based Instruction: Suggestions for Curriculum Design. New England Educational Research Organization Annual Meeting University of New Hampshire, Durham, NH, May 1998.

**Hayward L**. Relationship Between Physical Therapy Student Characteristics, Classroom Behavior and Clinic Performance. 5<sup>th</sup> Annual Research Conference Surviving and Thriving in Today's Healthcare System: A New Research Agenda. State University of New York, Brooklyn, NY, November 1997.

**Hayward L.** Relationship Between Physical Therapy Student Characteristics, Classroom Behavior and Clinic Performance. Eastern Educational Research Association Annual Conference, Hilton Head, S.C., February 1997.

### **Local**

**Hayward L. Implementation of an adaptive soccer program for youth with disabilities at an orphanage in Ecuador.** Student mentees Emily Aoki, Rebecca Lake, Tyler Kolfrat, Megan Wu, Tamara Jayasunya, Matt Genreux, Julia Marshall, Jessica Nelson, Alison McVey, Claire Pakem Anna Pacheco, Joshua Lee, Bianca Trio. NU Research Virtual Expo April, 2020.

**Hayward L, Al-Awadhi A, Freitas F. Student-Faculty Partnerships: Soliciting Diverse Student Voices for Strengthening Inclusive Curricula in Health Care**  
Conference for Advancing Evidence-Based Learning CALTR Conference, April 28, 2020-Cancelled.

**Hayward L** Introduction to the AIMS and PEDI-CAT: Reliability Analysis and Capacity Building in an Ecuadorian Pediatric Physical Therapist. Student mentees: Corina Aaronson, Carleen DelGreco , Elyse Dinan , Maura Eaton , Ana Gallotto, John Goodyear , Emily Hagen, Emma Kaeser , David Klein Brynn Lambie, Abigail Moreton , Catherine Murphy, Tamra Rutfield , Kate Silvia, Thea Weingarden .NU Research Expo April, 2019.

**Hayward L, Schuldt H, Donlan P.** Student Pedagogical Teams: Engaging with Faculty in the Scholarship of Teaching and Learning. Conference for Advancing Evidence-Based Learning CALTR Conference, April 30, 2019.

**Hayward L, Lizzio C, Helfich M, Mettler A, Hsu P, Kleigas B, Emmons M, Mucci-Ramos I, Vargas C, Wassenar A,** Disability Awareness Training for Residents in Latatunga, Ecuador.NU Research Expo April, 2018.

**Hayward L, Ventura S.** Student Feedback Teams (SFTs) for Evaluation of a New Course Development and Reduction of Pedagogical Isolation. Conference for Advancing Evidenced-Based Teaching. NU CATLR May 2017

**Hayward L, Meleis W, Ventura S.** An Innovative Engineering and Physical Therapy Student Partnership: “Enabling” Undergraduates to Collaboratively Solve Community-Based Health Care Needs with Low Cost Technology Options. Conference for Advancing Evidenced-Based Teaching. NU CATLR May 2017.

**Hayward L Hazel K, Flood L, Steinberger J, Mehta S, Larson T, Agustin S, Goldenberg A, Cornelissen M, Policastro C, Foley J, Duquette L, Burgey S, Wolson L, Sanghvi M.** Sensory Cube for Promoting Normal Development in Twins with Cerebral Palsy and Low Vision.NU Research Expo April, 2016.



**Hayward L.** Examination of Health Professions Students' Motivation for Learning, Applying and Valuing Evidenced Based Practice. Conference for Advancing Evidenced-Based Teaching. NU CATLR May 2016

**Hayward L.** Classroom Factors that Contribute to DPT Student Motivation for Learning, Applying and Valuing Evidenced Based Practice. Conference for Advancing Evidenced-Based Teaching. NU CATLR May 2015.

**Hayward L.** Li L, Akhtar A, Hovland A, Belanger M, Dusel B, Driscoll A, Mangone N, Shallcross B, Stewart D, Tulimiero C, Woolever Z, Bell D, Kuschke M, Yearwood N, Dugandzic C, Kennedy V. Que Necessasitas Tias? NU Research Expo April, 2015.

**Hayward L.** Li L, Donat M, Clark J, Clark L, Shah N, Fontaine E, Hessinger H, Flood K, Braverman M, McLaughlin M, Cerelio S, Viray D, Cadagen M, Murray J, Gonzalez G, Gorordo C Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. NU Research Expo April, 2014

**Hayward L.** Promoting Cultural Competency and Compassionate Health Care Environment within Spaulding Rehabilitation Hospital: The Power of the Patient Voice. Bouve College 6<sup>th</sup> Annual Interprofessional Research Symposium. Boston, MA April 9, 2013.

**Hayward L.** Li L, Angelo M, Brady, E, Queenan L, Austin, W, Venere K, Munoz B, Pallais, A, O'Brien A, Lowery M, Mastaj A, Price A, McBride J, Keenan S, White D, Abuscama C. Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. NU Research Expo March 15, 2013.

**Hayward L.** Li L, Aycinena, F; McEleney, B, Cho, Y, Parfitt, L, Adams, K, Bernstein, J, Karbowski, A, Lourenco, C, Bernazani, N, Sidor N, Shea, G, Slater, S, Chang, A, Calabarese, K, Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. NU Research Expo March 26, 2012

**Hayward L.** Creating Digital Media Projects. EdTech Teaching 2.0 Conference. November 18, 2010.

**Hayward L.** Charrette A, Avery J, Buckler S, Coverdale A, Davis L, Dewan E, Driscoll E, Joyce C, Laura A, Neuburger L, Novello S, Peterson E, Ponzo-Holden S, Stella S, Whiting H.. International Service Learning: Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. NU Research Expo March 24, 2010

**Hayward L.** Charrette A, Amnawah J, Azizian S, Barker L, Calderon A., Casey S, Danford J, Delmonte C, Ferrigno C, Gatti A, Granoff A, McCracken K, Rall L, Skwira R. Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. NU Research Expo March 26, 2009

**Hayward L.** Charrette A., Alleyne A, Bergevin N, Cunningham J, Berliner R, Crothers J, De

Nucci, Cheryl, Diloreti R, Kammal C, Moss L, Mussomeli I, Phelen C, Pinto J, Query M, Silva R. Global Education: Preparation for Study Abroad and the Provision of Physical Therapy Services to Ecuadorian Orphans. NU Research Expo March 26, 2008

**Hayward L**, Blackmer B, Raelin J. The Practice-Based Learning Outcomes From Teaching Students A Process of Reflection. NU Experiential Education Breakfast Series. Boston, MA, October 24, 2006.

**Hayward L**, Blackmer B, Raelin J, Mabrouk P, Murrell P, Scholsser R, Sherman T, Manning P. POE Fellows: A Community of Practice Dedicated to Integrative Teaching, Learning, and Scholarship. SoLT conference at Northeastern University. Boston, MA, November, 2004.

**Hayward L**. Franko D, Roberge N, Hardy L, Gamliel I, Fung M. FITKIDS: An Interdisciplinary After-School Exercise Program for Ethnic Minority Children. Bouve College of Health Sciences Interdisciplinary Week. Northeastern University. Boston, MA May, 2003.

**Hayward L**, Blackmer B, Canali A, Di Marco R, O'Brien M, Wong K. Telementoring Using the Web: An Innovative Teaching Strategy for Communicating and Integrating the Classroom and Cooperative Education Learning. Tech Expo at Northeastern University. Boston, MA, May, 2001.

Demarco R, **Hayward L**, Aroian J, Barr J, Schumacher G. Development of an Internet Based Health Care Leadership/Management Course for Undergraduate Students: Interdisciplinary Research and Educational Project (BCHS). Tech Expo at Northeastern University. Boston, MA, May, 2001.

DeMarco R, Barr J, Aroian J, Schumacher G, **Hayward L**. Development of an Internet Based Healthcare Leadership/Management Course for Undergraduate Students: An Interdisciplinary Research and Educational Project. Academic Organizational Approaches to Transforming Health Sciences Education Conference at Northeastern University, Boston, MA. August, 2000.

**Hayward, L** and Hayward, K. The Get Fit Group: a Combination Eastern and Western Medical Approach for the Treatment of Obesity in Women. Cutting Edge Issues in Women's Health: Application for Research and Practice: A Multidisciplinary Health Conference. Presented by the University of Massachusetts Lowell College of Health Professions April 1998.

## **GRANTS**

### **External Funded:**

#### **Submitted**

**Hayward LM (PI)** -partially funded \$8,000  
\$25,000

Point of Care Ultrasound in Physical Therapy Practice, Uncovering Novice to Expert Professional Pathways to Inform an Evidence-Based Pedagogical Approach

10/ 2020 Foundation for Physical Therapy Physical Therapy Education Research Grant

**Hayward LM (PI) -unfunded**

\$40,000

Diagnostic Musculoskeletal Ultrasound Imaging in Physical Therapy Practice: Expert-Informed Pedagogy for Teaching Physical Therapist Clinicians and Students.

8/ 2020 Foundation for Physical Therapy Physical Therapy Education Research Grant

**Hayward LM (PI)**

\$2,000

9/ 2020 The Village Church Outreach Grant

**Hayward LM (PI)**

\$1,000

TopSoccer and basketball program funding

1/ 2021 The Wellesley Hill Junior Women's Club.

**Submitted: Deferred**

**Hayward LM (PI)**

\$1,000

TopSoccer and basketball program funding

1/ 2020 The Wellesley Hill Junior Women's Club.

**Unfunded:**

**Hayward LM (PI)**

Partnering to Address Vital Community Concerns: Advancing Knowledge about the Impact of Intergenerational Service-Learning on Elder Isolation and Loneliness

\$100,000

4/18 Corporation for National and Community Service. Community Conversations Research

**Hayward LM (PI)**

Development and Evaluation of a model TOPSoccer program for children with autism.

\$80,000

3/17 Deborah Monroe Noonan Memorial Research Fund, Boston, MA

**Hayward LM (PI)**

Development and Evaluation of a model TOPSoccer program for children with autism.

\$80,000

3/16 Deborah Monroe Noonan Memorial Research Fund, Boston, MA

**Hayward LM (PI)**

A Community Based Adaptive Sports Program for Strengthening Families in Metro West.

\$5,000

3/16. Eastern Bank Charitable Foundation, Boston, MA.

**Hayward LM (PI)**

\$4,135

Enriching the Life of Children with Disabilities Through Adaptive Sports and Peer Mentoring  
year project 1/1/2017-12/30/17

9/2016 Foundation for MetroWest

**Funded:**

**Hayward LM (PI)**

\$2,000

Educating and Sustaining For His Children Clinical Staff to Manage Children with Disabilities.  
7/ 2019. The Village Church Outreach grants program.

**Hayward LM (co-PI)**

Definition of Key Elements of Exemplary Physical Therapist-Physical Therapist Assistant  
Working Relationships: Knowledge to Inform Academic and Clinical Education

\$7,230

4/19 St. Catherine University Academic Professional Development Committee Grant

**Hayward LM (PI)**

\$2,000

5/1/18 Grantsmanship and mentorship in Educational Research.

Medical University of South Carolina (MUSC) in Charleston South Carolina.

**Hayward LM (PI)**

\$2,000

Top Soccer and basketball program funding

1/ 2018. The Wellesley Hill Junior Women's Club.

**Hayward LM (PI)**

\$2,000

An Interdisciplinary Approach for Educating and Sustaining Communication and Mobility in  
Children with Disabilities.

8/ 2019 The Village Church Outreach grants program.

**Hayward LM (PI)**

\$2,000

An Interdisciplinary Approach for Educating and Sustaining Communication and Mobility in  
Children with Disabilities.

7/ 2018. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$2,000

An Interdisciplinary Approach for Educating and Sustaining Communication and Mobility in Children with Disabilities.

7/ 2017. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$2,000

An Interdisciplinary Approach for Educating and Sustaining Communication and Mobility in Children with Disabilities.

7/ 2016. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$2,000

An Interdisciplinary Approach for Educating and Sustaining Communication and Mobility in Children with Disabilities.

5/ 2015. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$10,000

Enabling Children with Disabilities to Connect within the Wellesley Community through Sports and Peer Mentoring

1 year project 1/1/2015-4/30/16

12/2014 The Fund for Wellesley

**Hayward LM (PI)**

\$2,000

Educating and Sustaining Communication and Mobility Gains in Children with Disabilities.

7/ 2015. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$2,000

Facilitation of Mobility and Communication in Children with Cerebral Palsy.

7/ 2014. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$2,500

Connection of People, Place and Profession.

9/ 2013. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$14,000

A Place Called Home: Security for Abandoned Ecuadorian Children with Severe Disabilities  
9/ 2013. Ecuadorian Association of New England (AENI)

**Hayward LM (PI)**

\$1,000

Support for Professional Development of an Ecuadorian Physical Therapist  
8/ 2013. Eastern Bank Charitable Foundation, Boston, MA.

**Hayward LM (PI)**

\$2,530

Connection of People, Place and Profession.  
9/ 2012. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$3,000

Global Service Learning: An Sustainable Project for Health Improvement.  
9/ 2011. The Village Church Outreach grants program.

**Hayward LM (PI)**

\$20,200

Creating a Culturally Competent and Inter-professional Aware Health Care Environment within  
the Spaulding Rehabilitation Hospital.  
3/2011. Kenneth B. Schwartz Center Fund of Massachusetts General Hospital (MGH),

**Hayward LM (PI)**

\$3,100

A Model for Global Service Learning: An Integrated International Short Term Study Abroad  
Experience.  
9/ 2010. The Village Church Outreach grants program.

**(PI)** The Village Church Outreach grants program (The Village Church, 2 Central Street,  
Wellesley, MA). Sept 2010. \$3100. **A Model for Global Service Learning: An Integrated  
International Short Term Study Abroad Experience.**

**(PI)** The Village Church Outreach grants program (The Village Church, 2 Central Street,  
Wellesley, MA). Sept 2009. \$3170. **A Model for Global Service Learning: An Integrated  
International Short Term Study Abroad Experience.**

**(PI)** The Village Church Outreach grants program (The Village Church, 2 Central Street,  
Wellesley, MA). Sept 2008. \$2,040. **Volunteer Work and Community Service for Children at  
FHC Orphanage.** L. Hayward, A.Charette.

**(PI) Wellgate Products, LLC (NY, NY).** Assessment of the Wellgate Bracelet on Wrist  
Comfort, Pain, and Compliance in Occupations with Reliance on Computers. October 2007.  
\$10,000 L. Hayward, L. Cahalin, A. Markowski

**(PI)** The Village Church Outreach grants program (The Village Church, 2 Central Street, Wellesley, MA). Sept 2007. \$3000. **Building Community Bridges Locally and Globally: Volunteer Work and Community Service for Children in Need.** L. Hayward, A.Charette.

**(PI)** CAFCE.A 360-Degree Assessment Model for Fostering Reciprocal Development of Professional Behaviors and Communication Skills Across Academic and Cooperative Education Experiences. L.Hayward, B.Blackmer. 7/1/07 \$5,000.

**(PI).** NACE Foundation. A 360 Degree Assessment Model for Integrating Technical and Professional Skills to Facilitate Successful Workplace Transition. L Hayward, B Blackmer. 7/1/07 \$8,127.

**(PI)** University of Cincinnati FIPSE Symposium on Evidence-Based Curricular Reform. 4/06. \$2,100. Hayward L, Blackmer B, Wilson E.

**(PI)** Kenneth B. Schwartz Center Fund of Massachusetts General Hospital (MGH), 4/2005. \$10,190 Standardized Patients and Communities of Practice: A Realistic Strategy for Promoting Compassionate Care in a Physical Therapist Curriculum. L. Hayward, B. Blackmer.

**(Co-PI)** The Cooperative Education and Internship Association (CEIA) 3/05. \$2,000. Determining Practice-Based Outcomes from Reflective Practices during Cooperative Education. L. Hayward, B. Blackmer, J. Raelin.

**(PI)** Blue Cross Blue Shield Jump Up and Go! Community Grant Application. 2004. \$5,000. Boston Bouve Fit Kids Program. L. Hayward; S. Lowe.

**(PI)** Blue Cross Blue Shield Jump Up and Go! Community Grant Application. 2003. \$5,000. Boston Bouve Fit Kids Program. L. Hayward, D. Franko, J. Blom-Hoffman.

**(PI)** The Village Church "Home Stay" small grants program (The Village Church, 2 Central Street, Wellesley, MA). 2002. \$500. **Northeastern University-Health Careers Academy Physical Fitness Initiative and Boston Housing Authority Afterschool and Educational Enrichment Program.** L. Hayward.

**(PI)** Blue Cross Blue Shield Jump Up and Go! Community Grant Application. 2002. \$10,000. Boston Bouve Fit Kids Program. L. Hayward.

**(Consultant)** Developing a Nursing Voice: An Intervention Study to Empower Nurses. 2000 Funded \$ 3,750. Sigma Theta Tau International and Virginia Cleland Fund. R. DeMarco, PhD, RN, S. Roberts, DNSc, ANP, L. Hayward, EdD, PT, G. Chandler, PhD, RN, D. Hope, EdD.

**(PI)**Center for Collaborative Research at Thomas Jefferson University, Philadelphia, PA. 1999 Funded \$2,000. Grant competition for participation at the Research Training Institute, which is designed to assist researchers with strategies for preparing successful grant proposal for external review. Team of three physical therapy faculty to study the impact of the redesigning of Clinical Medicine II to include computerized case-based instruction module and use of the web. **(PI:** L. Hayward, Participants: J. Cigna, S. Polich)

**(PI) Massachusetts Governor's Committee on Physical Fitness and Sports, 1998** Funded \$750. Interdisciplinary community outreach and research project between Northeastern University members of the Physical Therapy, Cardiopulmonary Sciences departments (PI: L. Hayward, Participant: A. Sullivan), and the New England Baptist Hospital. Provide a combination aerobic exercise program and wellness lecture series and study cardiovascular, psychological and health behavior response in obese women.

**(Co-PI) Kenneth B. Schwartz Center Fund of Massachusetts General Hospital (MGH), 1997** Funded \$26,250. Collaborative program funding and research between an interdisciplinary team of health care practitioners (**Co-PIs** K. Hayward, L. Hayward, **Participants:** M. Jasper, G. Harlan, K. Murphy, L. Swirda,) to study the impact of a program designed to assist obese women change behaviors and combat obesity.

**Internal**  
**Submitted**

**UNFUNDED**

**New College of the Humanities-NU Research & Learning Development initiative grant application.** Interdisciplinary, Intercontinental, Service-Learning Education for Translational Learning about the Issues that Impact Boston Communities. Lorna Hayward, Marianna Koli, Neal Lerner  
**5/19 \$14,625**

**NU City and Community Service Grant Proposal. Improvement of the Adaptive Skating Program at Franciscan Children's Hospital- NU Service-Learning Honors students partners with Community Stakeholders.** Hayward L, Fragala-Pinkahm, M 2/18 \$1,500.

**NU Provost Tier 1 Grant Proposal. Advancing Knowledge of the Impact of Service-Learning on Community Stakeholders.** Hayward L, Garnidier L, Mann E, Berkey B, Zastavker Z 1/18 \$50,000

**Funded**

**Hayward LM (PI), Orr-Skivin A, Ramdin V, Cook-Sather A. --Deferred due to COVID**

\$13,030

Student-Faculty Partnerships: Soliciting Diverse Student Voices for Strengthening Inclusive Curricula in Health Care

2/ 2020 Faculty Innovations in Diversity and Academic Excellence Grant.



**NU ADVANCE Mutual Mentoring grant application.** Evaluation of Service-Learning Partnerships Local and Abroad using the SOFAR Theoretical Framework  
Lorna Hayward, ,  
**10/17 \$3, 000**

**NU CATLR Service-Learning Fellows Program.** 3/17.. Hayward LM

**(CO-PI) CATLR Tier 1 Provost Undergraduate Education Fund**

**Hayward LM, Meleis W (co-PI)**

\$8000

An Innovative Engineering and Physical Therapy Student Partnership: “Enabling” Undergraduates to Collaboratively Solve Community Based Health Care Needs with Low Cost Technology Options .

1 year project 4/30/16-5/14/17

**NU CATLR Honors Faculty Scholars Program.** 6/15 \$1,500. Hayward LM

**NU CATLR Lead Faculty Scholars Program.** 3/15 and 3/16 \$2,000. Hayward LM

**(CO-PI) CATLR Tier 1 Provost Undergraduate Education Fund**

**Hayward LM, Meleis W, Ventura S. (co-PI)**

\$10,000

An Innovative Engineering and Physical Therapy Student Partnership: “Enabling” Undergraduates to Collaboratively Solve Community Based Health Care Needs with Low Cost Technology Options .

1 year project 5/15/16-5/14/17

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/14 \$925. The Voice of the Global Partner: Integration of Stakeholder Feedback in the International Service Learning Process. **L Hayward,** Alanka A, Bell D, Bruesl B, Kennedy V.

**NU CATLR Faculty Scholars Program.** 3/14 \$1,500. Hayward LM

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/13 \$1089. Cultural Competency and Professional Identity Formation in Physical Therapist Students: A Longitudinal Study. **L.Hayward,** M. Brawerman, N. Shah

**(PI) NU Provost CIETL Assessment grant.** 3/12 \$4,135. Hayward L, Greenwood K.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/12 \$1089. Cultural Competency and Professional Identity Formation in Physical Therapist Students: A Longitudinal Study. **L.Hayward,** L. Queenan, K. Venere

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 12/11 \$920. Cultural competency and professional role formation in physical therapist students. **L.Hayward,** L. Parfitt, C. Lourenco

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/10 \$1,020. Pediatric Physical Therapy in Ecuador. L.Hayward, Li LI

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/10 \$1,020. Pediatric Physical Therapy in Ecuador. L.Hayward, Kent E

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/10 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, Pivor J, Pauquette B.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/10 \$1,000, L. Hayward, Murphy C, Woo K, Chandler A.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/09 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, Stella S, Novello, S, Dewan E.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/09 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, Laura A, Joyce C.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/08 \$1,000, L. Hayward, Skiwra R, Amawah J, Brady R.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/08 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, K. McCracken, C. Ferrigno.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/08 \$1,100. Pediatric Physical Therapy in Ecuador. L.Hayward, J. Danford, C. Delmonte, A. Granoff, L. Barker.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/08 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, S. Azizian, A. Calderone, S. Casey, A. Gatti.

**(PI) NU Provost Instructional Development Fund** 1/08 \$3,912. Facilitation of Communication Skills Development Across the Curriculum in Doctorate of Physical Therapist Students: A Standardized Patient Model. **L Hayward**, P. Hamel, A.Canali

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 2/08 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, J. Pinto, A. Charrette.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 12/07 \$1,100. Pediatric Physical Therapy in Ecuador. L.Hayward, I. Musselomi, C. DeNucci, N. Bergevin.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 11/07 \$1,000. Pediatric Physical Therapy in Ecuador. L.Hayward, L. Moss, J. Cunningham.

**(Faculty sponsor) NU Provost Undergraduate Research Program.** 10/07 \$1,000. Evaluation of Physical Therapy Faculty Palpation Skills Using Ultrasound Imaging. A. Markowski, L. Hayward, A. Decristoforo

**(Co-PI) NU RSDF 1/1007 \$20,000.** Bridge to Patient Safety: Development of a Model for Interdisciplinary Collaboration Using Simulated Patients. Rickles, N, Hayward, L, Blackmer B, Ippolito, R., North, M.

**(PI) NU IDF Fund. 1/2006. \$5645.** Development of a Curriculum Based Model to Track Programmatic and Student Outcomes in a Doctorate of Physical Therapist Program. Hayward, L, Blackmer B.

**NU POE award. \$1,000.** L Hayward, B. Blackmer. 4/06

**NU Undergraduate Research Grants.** Uncovering Motor Control Mechanisms Below the Surface. **\$1,000.** L. Hayward, A. Markowski, S. Prignano, Jen Hoedtke, Haim Hechtman.

**(PI) NU Interdisciplinary Teaching faculty scholarship. 6/2005. \$500.** Two day workshop to promote interdisciplinary education, syllabi and activities in Bouve College.

**(Co-PI) NU IDF Fund. 1/2005. \$4954.** Uncovering Motor Control Mechanisms Below the Surface: Real Time Ultrasound as Teaching Methodology for Physical Therapist Students. Markowski A, Hayward, L.

**(PI) NU Provost Office ILM Best Practices Module. 2004. \$900** Created a proposal for a curriculum modification to more intentionally allow for the integration of liberal arts, professional and experiential education at three points within the DPT program. L. Hayward

**(PI) NU Center of Community Service - Service Learning Course Development. 2003. \$1,000.** Grant for modifying an existing course PTH U305 PT Professional Seminar 1 to include a service-learning element. L. Hayward, S. Lowe.

**(PI) NU Center for Work and Learning Faculty Research Fellows. 2003. \$5,000** Application for a research fellowship to develop POE based process and outcomes research. L. Hayward, B. Blackmer.

**(PI) Digital Portfolios: A Creative Opportunity for Integrating the Academic Study and Cooperative Education Experiences of Physical Therapist Students. 2002 \$5,000.** Northeastern University Instructional Development Fund. **PI** L. Hayward **Participants:** B. Blackmer, A. Canali, R. DiMarco.

**(Co-PI) Curriculum Strategies to Introduce Physical Therapist Students to Culturally Sensitive Patient Interaction. 2002 \$2,500.** Northeastern University ACE/Hewlett Packard Instructional Development Fund. A. Canali, L. Hayward.

**(PI) Creating an Integrative Learning Community between Bouve College of Health Sciences Students and the Health Careers Academy Charter School. 2001. \$3,100.** Northeastern University Instructional Development Fund. L. Hayward.

**(PI)Telementoring Using E-Mail and the Web: An Innovative Teaching Strategy for Integrating Classroom and Cooperative Education Learning.** 2001 \$25,000. Northeastern University Teaching with Technology Fund. **PI** L. Hayward, **Participants:** B. Blackmer, R. DiMarco, A. Canali, M. O'Brien.

**(Participant) Interdisciplinary Project Development Fund** 1998 Funded \$10,000. Interdisciplinary team of people from the NU Bouve College working towards the development of an internet based interdisciplinary health care leadership/management/health policy course for undergraduate students. (R. DeMarco, J.Aroian, G. Schumacher, J. Barr, L. Hayward)

**(Participant) Instructional Development Fund,** 1998 Funded \$3000. Interdisciplinary project between members of the NU departments of Nursing and Physical Therapy. Study to examine nursing student's perceptions and strategic approaches to case-based instruction: a replication and comparison study between two disciplines. This project is a replication of original work conducted on physical therapy seniors. (R. DeMarco, M. Lynch, L. Hayward)

**(PI) Research and Scholarship Development Fund,** 1997 Funded, \$10,000. Collaborative research between the Physical Therapy and Cardiopulmonary Sciences departments (**PI** L. Hayward, **Participants:** J. Libonati, A. Sullivan) to study cardiovascular and psychological response to exercise in obese women.

**(PI)Instructional Development Fund,** 1997 Funded, \$2,340. Funding to continue collaborative research effort between three Physical Therapy faculty and the student-counseling center (**PI** L. Hayward, **Participants:** A. Noonan, D. Shain, J. Pakstis). We are studying affective behavior of physical therapy seniors.

**(PI) ACE Faculty Development Project,** 1997 Funded, \$500 to document senior physical therapy student perceptions of, approach to, successful and unsuccessful student learning strategies and evaluation of a new course-- PTH1411 Clinical Integration for Physical Therapists--which uses a case-based instructional approach. (L. Hayward)

**(PI)ACE Faculty Development Project,** 1996 Funded, \$400. Received funding for collaborative research between physical therapy faculty and the student counseling center to conduct research on affective behavior of physical therapy seniors (**PI;** L. Hayward, **Participants:** A. Noonan, D. Shain, J. Pakstis).

## TEACHING

### **Online:**

PT 6243 Health Education Promotion and Welleness (3 SH). Course examines Covers health education, promotion, wellness, disease, impairment, functional limitations, disability, and health risks. Addresses the concept of human difference as a construct relative to education theories, behavior theories, lifestyle choices, and health and wellness. Offers learners the opportunity to develop an educational health promotion program for individuals as well as a community group

considering the impact of health disparities, epidemiology, learning styles, barriers and resources.. Summer 2020 (45 total) NEW COURSE

DPT6430 Education for Physical Therapists (4QH). NUOL course taught for students in the transitional Doctor of Physical Therapy program. Course to assist students understand the role of the physical Therapist educator. Summer 2 2007, N=7; 2008, N=2; 2009 N=3; 2010 N= 4; 2012 N=4; 2013 N=5; 2014 N=10; 2015 N=6; 2017 N=8; 2018 N=5; 2019 N=9; 2020 N=4.

### **Abroad:**

PTHU521 & PTH U533 Alternative Spring Break in Quito, Ecuador. Organized, developed a model for, ordered supplies, organized travel for 14 PT seniors to deliver pediatric physical therapy services under supervision to 40 child orphans at For HIS Children. (2008, n=14; 2009 n=14; 2010 n=14; 2011 n=14; 2012 n=14; 2013 n=15; 2014 n=15; 2015 n=15; 2016 n=15 (team of 20); 2017 n=15 (team of 19) ; 2018 n=13; 2019 N=15; 2020 n=13; 2021 N=14.

PTH G239 Intercultural Health Care (4SH). Developed and led a course first time that allowed students to travel and study abroad in Mexico. Course foci were language instruction, cultural preparation, service provision, and team building. Summer 2, 2009 (n=23);

### **Traditional:**

PT H5160 Psychosocial Aspects of Health Care (3 SH). Course examines interpersonal relationships among patients, families, health professionals and society with reference to the impact of and reaction to illness and disability. Spring 2017 two sections of 30 (60 total); Spring 2018 two sections of 30 (60 total); Spring 2019 two sections of 30 (60 total); Spring 2020 N=22; N=16.

HNR 3310: Contemporary Issues in Health Care: (4SH): Created a new honors seminar to address contemporary issues in health care. Course was provided for honors students across the university-liberal studies to health care—sophomore through senior standing. Spring 2007 (n=18); Spring 2008 (n=11); Spring 2009 (n=18); Spring 2010 (n=15); Spring 2011 (n=18); Fall 2011 (n=18); Fall 2012 (n =19); Fall 2014 (n=19); Fall 2015 (n=19); Fall 2016 N=17; Fall 2017 N=19; Fall 2018 N=19; Fall 2019 N=19.

Directed Study 2 SH- Paul Madjian

**PT 4992 Directed Study**  
**Brooke Schober-Spring 2016 3 credit**

PTHG 403 Directed Study 3SH: Developed and taught an overload course that prepared students for travel and study abroad in Mexico. Course foci were language instruction, cultural preparation and team building. Spring 2009 (n=35)

PTH U533 PT Project 2: (2SH): Faculty liaison in a capstone course designed to mentor seniors during a semester long preparation to conduct either a research project, educational module or service learning unit in the field. Spring 2007(n= 71); Spring 2008 (n=81); Spring 2009 (n= 14 ); Spring 2010 (n=14); Spring 2011 (n=14); Spring 2012 (n=14); Spring 2013 (n=15); Spring 2014 (n=15)' Spring 2015 (n-15).

PTH U521 PT Project 1: (4SH): Co-instructor in a capstone course designed to mentor seniors during a semester long preparation to conduct either a research project, educational module or service learning unit in the field. Fall 2006(n= 71); Fall 2007 (n=81); Fall 2008 (n= 88); Fall 2009 (n=14); 2010 (n=14); 2011 (n=14); Fall 2012 (n =15 ); Fall 2013 (n=15); Fall 2014 (n=15); Fall 2015 (n=15).

HLTH 5450 Health Care Research (4SH) Redesigned course for an interdisciplinary audience of students from the school of health professions. Fall 2009 (n=137); Fall 2010 (n=168); Fall 2011 (n = 110); Spring 2012 (n=130); Spring 2013 (n=129); Spring 2014 (n=140); Spring 2015 (n=116 ).

BHS U450 Health Care Research (4SH) Redesigned course for an interdisciplinary audience of students from the school of health professions. Created a Blackboard web site for housing course materials. Fall 2004 (n=63), Fall 2005 (N=76), Fall 2006 (N=81), Fall 2007 (n=146), Fall 2008 (n=115).

PTH U305 Physical Therapy Professional Seminar 1. (2 SH) Short lecture component complemented by a reflection seminar for middlers who have returned from 6 - 10 months of co-op. New course created for the semester system, with Blackboard website and the first time taught by me. Spring 2004 (n = 68); Spring 2005 (n=85; 19 in recitation); Spring 2007 (n=115, 23 in recitation), Spring 2008 (n=24 in recitation) Introduced the SP in 2008. Spring 2009 (n=24 in recitation); Spring 2010 (n=25).

PTH G519 Administration and Health Policy. (4SH). Course designed to expose seniors to current health policy, financing and administrative issues. Led a recitation and provided 4 lectures. Spring 2000, Fall 2004 (n = 68 - 23 in recitation), Fall 2005 (21 in recitation); Fall 2007 (n=23 in recitation), Fall 2008 (n= 28 in recitation); Fall 2009 (n=17 in recitation); Fall 2010 (n=26 in recitation) 3 lectures; Fall 2011-2 guest lecturers; Fall 2012 (n=21 in recitation).

CPS1632 Health Science Education. (4QH) Co-instructor of a multidisciplinary course (physical therapy, respiratory therapy, cardiovascular technology) designed to educate students using the systems approach to teaching in the health sciences. Spring 1999 (n= 57), 2001 (n = 122), 2002 (n=114), Spring 2003 (n = 80).

PTH U543 Health Education Wellness and Promotion. (4SH) Co-instructor of a course redesigned to accommodate semester conversion. Course designed to educate students using the systems approach to teaching in the health sciences. Fall 2003 (n = 67).

PTH U500 Research for Physical Therapists (4SH) Redesigned course for semester conversion.

Course revised to include elementary statistics in addition to the development of research proposal. Fall 2003 (n=67).

PTH1405 Research for Physical Therapists (4QH) Graduate seminar. Redesigned course to include development of research proposal in preparation for Masters project. Fall 1997 (n=18), Winter 1998 (n = 17), Fall 1998 (n=24), Winter 1999 (n = 11), Fall 1999 (n=17), Winter 2000 (n=15).

PTH1405 Research for Physical Therapists (4QH) Undergraduate. Redesigned course to place course on Blackboard educational software and to addresses an interdisciplinary student audience. In the fall, the course included students from physical therapy, respiratory therapy, cardiovascular technology, and exercise physiology. Fall 2001 (n=73), Winter 2002 (n=53), Winter 2003 (n = 44).

PTH1405 Research for Physical Therapists (4QH) Undergraduate. Redesigned course from seminar to lecture with recitation format and to address an interdisciplinary student audience. Course included students from physical therapy, respiratory therapy, cardiovascular technology, and exercise physiology. Fall 2000 (n = 58), Winter 2001 (n =53).

PTH 1405 Research for Physical Therapists (4QH) Senior research course. Redesigned course to include a collaborative interactive problem-solving lab. Fall 1996 (n =55), Winter 1997 (n =53).

PTH 1405 Research for Physical Therapists, undergraduate section. Guest lecturer during Fall and Winter quarters 1997-2000 academic years. Lectured to students about qualitative research methods and presentation strategies. (n = 50+)

PTH1420 Physical Therapist in the Health Care System (3QH) Graduate seminar. Redesigned course using a student focused, interactive seminar format. Fall 1996 (n =9), Winter 1997 (n = 7), Fall 1997 (n=17), Winter 1998 (n = 17), Fall 1998 (n=24), Winter 1999 (n = 11), Fall, 1999 (n=17), Winter 2000 (n=15).

PTH1411 Clinical Integration for Physical Therapists (4QH) Capstone course for seniors. Redesigned course for 120 students using a case-based learning approach. Coordinated three lab assistants. Created a computerized mock physical therapy licensing exam that served as course final exam. Spring 1997 (n = 122).

PTH 1400 Administration in Physical Therapy (4QH) Served as discussion leader for a required course for physical therapy seniors. Spring 1997 (n=32); Spring 2003 (n=27).

PTH 1777 Honors Adjunct (1QH). Supervised honors students' projects for extra credit. Winter 1997 (n = 2), 1998 (n = 1), 1999 (n=1), 2000 (n=2), 2003 (n=6), Fall 2004 (n=1), Fall 2005 (n=4), Fall 2006 (4)

PTH1802 Directed Study. Mentored one student while he assisted with the administrative and data collection aspects of the FITKIDs program. Spring '03.

## **Mentoring and Supervision of Undergraduate Students & Professional Degree Students**

2021: Joy Duboff, Laura Gonzalez, Jordan Goodman, Amanda McInnis, Madison Medeiros, Erin Nee, Eva Oidziej, Emily Palko, Nimi Patel, June Quigao, Aasha Tilve, Beth Tobio, Hannah Wagner, Kiana Weary (Physical Therapy Capstone)

2020- Emily Aoki, Rebecca Lake, Tyler Kolfrat, Megan Wu, Tamara Jayasunya, Matt Genreux, Julia Marshall, Jessica Nelson, Alison McVey, Claire Pakem Anna Pacheco, Joshua Lee, Bianca Trio.(PT Capstone)

2019: Corina Aaronson, Carleen DelGreco , Elyse Dinan , Maura Eaton , Ana Gallotto, John Goodyear , Emily Hagen, Emma Kaeser , David Klein Brynn Lambie, Abigail Moreton , Catherine Murphy, Tamra Rutfield , Kate Silvia, Thea Weingarden. (Physical Therapy Capstone)

2018: , Lizzio C, Helfich M, Mettler A, Hsu P, Kleigas B, Emmons M, Mucci-Ramos I, Vargas C, Wassenar A. . (Physical Therapy Capstone)

2017:

2016: Hazel K, Flood L, Steinberger J, Mehta S, Larson T, Agustin S, Goldenberg A, Cornelissen M, Policastro C, Foley J, Duquette L, Burgey S, Wolson L, Sanghvi M. (Physical Therapy Capstone).

2015 Akhtar A, Hovland A, Belanger M, Dusel B, Driscoll A, Mangone N, Shallcross B, Stewart D, Tulumiero C, Woolever Z, Bell D, Kuschke M, Yearwood N, Dugandzic C, Kennedy V. (Physical Therapy Capstone)

2014 Donat M, Clark J, Clark L, Shah N, Fontaine E, Hessinger H, Flood K, Braverman M, McLaughlin M, Cerelio S, Viray D, Cadagen M, Murray J, Gonzalez G, Gorordo C. (Physical Therapy Capstone)

2013: Angelo M, Brady, E, Queenan L, Austin, W, Venere K, Munoz B, Pallais, A, O'Brien A, Lowery M, Mastaj A, Price A, McBride J, Keenan S, White D, Abuscama C. (Physical Therapy Capstone)

2012: Aycinena, F; McEleney, B, Cho, Y, Parfitt, L, Adams, K, Bernstein, J, Karbowski, A, Lourenco, C, Bernazani, N, Sidor N, Shea, G, Slater, S, Chang, A, Calabarese, K, (Physical Therapy Capstone)

2011



2010- Avery J, Buckler S, Coverdale A, Davis L, Dewan E, Driscoll E, Joyce C, Laura A, Neuburger L, Novello S, Peterson E, Ponzo-Holden S, Stella S, Whiting H. (Physical Therapy Capstone)

2009: Amnawah J, Azizian S, Barker L, Calderon A., Casey S, Danford J, Delmonte C, Ferrigno C, Gatti A, Granoff A, McCracken K, Rall L, Skwira R. . (Physical Therapy Capstone)

2008: Alleyne A, Bergevin N, Cunningham J, Berliner R, Crothers J, De Nucci, Cheryl, Diloreti R, Kammal C, Moss L, Mussomeli I, Phelen C, Pinto J, Query M, Silva R.(Physical Therapy Capstone).

PTH 3363 Project I and II. Mentored three student's scholarly work. Research project entitled " Uncovering Motor Control Mechanisms Below the Surface." Fall & Spring 2005/6.

PTH 3363 Project II. Mentored five student's scholarly work. Research project entitled " The effect of yoga poses on balance." Fall & Spring 2004.

### **Supervision of Graduate Physical Therapy Students**

PTH3804 Directed Study. Mentored two graduate students while they collected data on their project entitled "Demographics of men who are homeless." Winter '02.

PTH 3802/04 Directed Study. Mentored four graduate students (2 sets of two) while they worked on two separate projects for their scholarly projects. One group worked on a project entitled "Demographics of men who are homeless. The second project was entitled: "Physical Therapist Student Perceptions of Web-based Instruction". Summer '01-Spring 2002.

PTH 3363 Advanced PT Project II. Mentored two graduate student's scholarly work. Qualitative research project entitled " Physical Therapist Student Perceptions of Web-based Instruction." Spring quarter 2001.

PTH 3363 Advanced PT Project II. Mentored two graduate student's scholarly work. Qualitative research project entitled: "The classroom to cooperative education telementoring program." Winter and spring quarters 2000.

PTH3800 Directed Study. Mentored 2 graduate students

PTH 3363 Advanced PT Project II. Mentored two graduate student's scholarly work. Qualitative research project entitled: "Physical therapist student perceptions and approaches to computerized case-based instruction". Winter and spring quarters 1999.

PTH 3363 Advanced PT Project II. Mentored 1 graduate student's scholarly work. Qualitative

research project entitled: "Compliance and motivational issues in obese women". Winter and spring quarters 1998.

### **Honors Thesis**

2019: Undergraduate honors CAMD student (Brenna Sorkin) Honors Interdisciplinary Thesis.

### **Advanced Practicum**

PTH 3560 Advanced Practicum. Mentored a student while she completed an advanced practicum in educational strategies. Winter '00.

PTH 3560 Advanced Practicum. Mentored 1 student while he completed an advanced practicum in educational strategies. Winter '99.

### **AWARDS**

**Northeastern University Community Engagement Award 2017.** Given in recognition for improving the health of our local community and developing our students' professional core values.

**Excellence Award for 10 years of Service.** Hogar Para Sus Ninos, Quito, Ecuador. March 2017.

**Faculty Excellence in Community Engagement Award.** Northeastern University, Department of Physical Therapy. April 2016.

**Leadership in Education.** Highest honor given by the APTA education section to recognize excellence in academic teaching, scholarship and service. This award was presented at the Education Section Business Meeting at the Annual PT conference in San Diego, California 2013.

Northeastern University Honors Program **John Portz Award** 2012.

Northeastern University Bouve College of Health Sciences. **Kennerson Faculty Award** September 2011

**State of Morelos, Mexico System for DIF Service Award. 2009.** Award to both individual and NU Bouve College of Health Sciences School of Health Professions for service to both elders and children. Award presented in Cuernavaca, Morelos, August 2009.

**Northeastern University Practice Oriented Education Recognition Award. 2006.** First time award celebrates extraordinary accomplishments in achieving the university's goal of fostering the integration of experiential learning and the academic curriculum.

**Distinguished Educator in Physical Therapy Award. 2002.** Given by the APTA education section to recognize excellence in academic teaching. This award was presented at the Education Section Business Meeting at the Annual PT conference in Cincinnati, OH.

**Outstanding Service Award. Journal of Allied Health. 2002.** Certificate of appreciation in recognition of outstanding service and commitment to the goals of the official publication of the allied health professions.

**The Stanford Award 2000.** First recipient of this new award established through the generosity of Dr. Katherine Shepard and others that worked at Stanford University in physical therapy education. Selected by the editorial board of the Journal of Physical Therapy Education and extended to the author whose manuscript published in any regular issue of the preceding year has been the most influential paper published that year. Article: Hayward LM. (2000) Becoming a self-reflective teacher: a meaningful research process. *Journal of Physical Therapy Education*, 14 (1):21-30.

## SERVICE

### Institutional

#### **Department**

Re-Imaging the DPT program task force. 5/2020-

Department of Physical Therapy- Graduate Admission Committee 2016-2018

Department of Physical Therapy- Research committee 2004-2019

**Department of Physical Therapy- Director of Research 2017-2019**

**Department of Physical Therapy- Administrative Council 2017-2018; 2018-2019;**

Department of Physical Therapy- Admitted students welcome day 4/11/18

Department of Physical Therapy- Tenure and Promotion committee 2004-

Department of Physical Therapy- Search committee 2014

Department of Physical Therapy Research Open House Committee 2014

Department of Physical Therapy—Chair Outcomes Committee 2011-2013

Department of Physical Therapy-Chair search committee 2009

Department of Physical Therapy – Clinical Track Faculty Promotion committee 2008

Department of Physical Therapy- Post Bac DPT admissions committee. 2006-2008

Department of Physical Therapy/Athletic Training- Tenure and Promotion Committee. 2005-

Department of Physical Therapy - Curriculum Committee 2001-2008

Department of Physical Therapy – Chairperson of the Graduate Education Committee 1999 - 2000

Department of Physical Therapy - Academic Standing Committee 1996-2000

Department of Physical Therapy - Awards Committee 1998- 1999

Department of Physical Therapy - Merit Review Committee 96/07, 2003/04, 04/05, 07/08, 08/09, 09/10; 10/11; 14/15

Department of Physical Therapy – Research Committee 12/13; 13/14; 14/15; 15/16

Department of Physical Therapy - Accreditation Committee 1997 – 1998

Physical Therapy Department Open House – 1996, 1997, 2006

Middler Year class advisor – 2005

## **College**

SAIL Beta test initiative **2018**

Bouve College Sabbatical Committee 2017

Bouve College Parents Weekend host 10/27/17

Bouve College Phonathon 2017

Bouve College Regular Admission Open House- 2014, 2017

Bouve College Regular Admission Admitted Students Day- 2018

Bouve College Kenerson Scholarship Committee 2014; 2016

Bouve College Interprofessional Education Committee 2012-2016

Bouve College Academic Council- 2010-2014

Bouve College Global Initiatives presentation. Presentation of international work in Mexico related to international student travel. October 15, 2009.

Bouve College Cooperative Education Program-2008 Search Committee for Assistant Cooperative Education Coordinator. 2008

Mentor faculty on the tenure track. 2005- Paul Canavan PT

Grand Rounds Presentation on Obesity Management. May 2002, member of an interdisciplinary panel with experts from nutrition, counseling, physical therapy, cardiopulmonary science, and pharmacy.

Bouve College – Academic Progression Task Force 2002

Bouve College Awards ceremony - 1997, 1999, 2001, 2005, 2010,2013; 2017 (School of Health Professions)

Bouve College – Graduate Curriculum Committee 1999 -2010  
Chair of committee 2003-2010

Bouve College of Pharmacy and Health Science - Guest Speaker at Parents Weekend 1996

Health Science Friday. October 2005, October & December 2008; October 2010; February 2014; October 2014; February 2015

Bouve College Regular Admission Welcome Day. Sunday, April 6<sup>th</sup>, 2014; April 10 2016

Bouve College-PT department early decision and early action student Phonathon 12/16

### **University**

Consultant for the Honors program Living Learning Community in East Village with a Wellness 2018-2019

Faculty Senate 2017-2021  
2018-2020 Senate Agenda Committee

Guest faculty at the NU Smith Hall Roundtable dinner for first year health science students. 3/30/17.

Guest lecture 3/17 NU Honors Program Welcome day history of the US health care system.

3/18 Master Class for Welcome Honors Program Welcome day

Guest lecture 9/16 NU healthcare business club on the history of the US health care system.

University Scholars Program mentor-2012

Dean's Medal Review Committee. NU CPS. 2012; 2013; 2014; 2015

Faculty Senate Committee to review Dean of Pharmacy. 2012-Chair

Artist in Residence- Panelist for Identity Through Play University Presentation. Northeastern University, October 25, 2011.

Tegrity software for podcasting lectures pilot program. Course HLTH 5450 HC Research of 140 students, course served as a pilot for the implementation of the Tegrity software. Fall 2009.

Honors Program Welcome Day speaker, April 2016.

Reviewer for NU Honors Program Student Fulbright Scholars, 2009; 2010; 2011, 2012.

Honors Program Advisory Committee- 2009/2010; 2012/2013; 2013/2014; 2014/2015; 2015/2016; 2016/2017, 2017/2018; 2018/2019.

Honors Program Director Focus group regarding the direction of the honors program 9/16

Honors Program Director Search 2015

Honors Program First Pages Committee 2013-14,2015; 2016; 2017, 2018; 2019; 2020—review literature for selection during the First Year Reading Project-read five books.

Facilitator for the NU Honors Program annual honors program “First Year Reading Project.” Project exposed freshmen honors students to : Tracy Kidder novel “Mountains Beyond Mountains.” 8/2006; David Sheff novel “Beautiful Boy.” 9/2009 and Dave Eggar’s Zeitoun 9/2010; Atun Gwande’s Better 8/2011; Anne Pachett’s State of Wonder 8/2012; Five Days at Memorial by Sherry Fink 8/2014; Something in What Remains-Tracy Kidder 9/16.

Task Stream e-portfolio pilot study. 2008

Panel Speaker for the NU Honors Program “First Year Reading Project.” Project exposed freshmen honors students to the Greg Mortenson novel “Three Cups of Tea.” 9/2008

Honors Program: Pre dinner and theatre service. Accompanied seven students in the honors program to dinner and to the Broadway production of Avenue Q in Boston. March, 2008. Accompanied seven students in the honors program to dinner and to the BSO in Boston. February, 2009. Accompanied 8 students to dinner and the play Wicked, October 2010.

Committee member for the Presidential Scholarship award. Reviewed 110 applications and participated in selection of finalists for the Presidential scholarship award. 2005

Proposal Review Panel for the NU Provost’s Research and Scholarly Development Fund (RSDF). 2005

Jonas Chalk Talk Committee 2004-2006

Use of Portfolios to Record Student Achievement - Provost’s office November 2004.

Provost's Interdisciplinary Writing Committee. 2004-2005

Participant in the President's Convocation – 1999, 2002

Participant in Co-op Employer Student Advisory Boards Meeting 5/22/00

Participation in the International Association of Counseling Services accreditation visit – 1998

Northeastern University - Wellness Committee 1997 – 1999

Service Learning Advisory Board- 2014-

Scholarship of Teaching and Learning workshop for the Community Stakeholder. 1.5 hour workshop on how to use theory in S-L Research. Dec 11, 2018.

Guest lecture for NU Health Care and Business Club. Provided a lecture to 40 NU students on the US Health Care System. 9/21/16

### **Professional**

World Confederation of Physical Therapy International Conference abstract reviewer. Geneva, Switzerland May, 2019. Pediatric Session Program moderator, May 2019

International Association for Research in Service Learning and Community Engagement Conference Content Committee for the IARSLCE 2018 Conference. in New Orleans July, 2018.

International Association for Research in Service Learning and Community Engagement (IARSLCE) 2013 Conference proposal review committee.

Health Policy and Administration section of the APTA Cross cultural international special interest group Global Health reception committee. 2010/2011; 2011/2012; 2012/2013.

Tenure and promotion review letter for Dr. Jenifer Audette at University of Rhode Island 10/17.

Promotion review letter for Dr. Annie Charrette at MCPHS University, Worcester, MA, 11/16.

Tenure and promotion review letter for Dr. Celia Pechak at University of Texas El Paso, 8/14.

Tenure and promotion review letter for Dr. Joyce Maring at George Washington University, School of Medicine and Health Sciences 1/09.

Tenure and promotion review letter for Dr. Pamela Ritzline at University of Tennessee Memphis, School of Medicine and Health Sciences 11/09.

Program Moderator – WACE conference Singapore June 2007.

EBSCO Publishing - PT online reference tool consultant for the creation of the database. Jan, 2007.

APTA, Program Planning Committee for the Qualitative Research SIG, 2004 –2005

APTA, Mass Chapter – Research Committee – 2005-2008

### **APTA, Education Section**

APTE Executive Committee: Nominating Committee Member 2020-

Committee to redesign the APTA Education Section website. 2011

JPTE: Consultant for JPTE Secrets of Success. Session designed to assist researchers bring their manuscripts to publishable level. CSM 2007. Boston

Consultant: for the Education division of the APTA to discuss and proceed with the creation of a set of uniform outcomes for physical therapist education. APTA headquarters, in Alexandria VA. March, 2007, October 2007, September 2008.

Research University Consortium for SoTL. Invitation from the Carnegie initiative around Scholarship of Teaching and Learning and Professional organizations. to join with representatives of disciplinary societies in a collaborative discussion about the scholarship of teaching at research universities. Washington, DC October, 2005

Educational/Multimedia Subcommittee of the Annual Conference Program Committee (August 2004-June 2007).

Educational Research Priorities Conference. Invitation to a very select few physical therapist educators to participate in a conference designed to establish the educational research agenda (academic and clinical) for the nation. Held at the APTA headquarters in Alexandria, VA. May, 2003.

Program Chair Education Section I during the Annual Physical Therapy Conference 2002, Cincinnati, OH.

Program Chair Education Section I during the Annual Physical Therapy Conference 2005, Boston, MA.

Mass Chapter, Research Committee Co-Chair. 2005 -2008

### **Peer Review**

Editorial Board member, Journal of Physical Therapy Education 2012-



Editorial Board member, Journal of Allied Health, 2001 –2009

Reviewer for the Journal of Allied Health, 2000 –

Reviewer for the APTA section on education's journal entitled: Journal of Physical Therapy Education, 1999-

Reviewer for Physical Therapy Journal 2002-

Reviewer for Physiotherapy Research International 2004-

Reviewer for Physiotherapy Theory and Practice 2004 –

Psychosocial Reports Perceptual & Motor Skills 2009-

### **Public Service**

TOPS Soccer program for children with disabilities. Spring 2013 (6 weeks); Fall 2013 (7 weeks); Spring 2014 (6 weeks); Fall 2014 (6 weeks); Spring 2015 (6 weeks); Fall 2015 (6 weeks); Fall 2016 (5 students); Spring (2017); Fall (2017), Spring 2018, Fall, 2018; Spring and Fall 2019. Mentored 5-6 NU DPT students in the program. Sponsored by Wellesley United Soccer. Wellesley, MA

TOPS basketball program Winter 2016; 2017, 2018,2019,2020.

Community Catalyst Walk in My Shoes project: A health access simulation volunteer. Northeastern University, January 30, 2007.

National Youth Leadership Forum in Medicine. Babson College, Wellesley, MA. June 2005, June 2006. Seminar leader in physical therapy for 25 high school juniors.

Exhibition Judge For the Health Careers Academy Charter High School Annual Science Fair. Held at Northeastern University February 28, 2001; Feb 12, 2004; Feb 7, 2005, Feb 8, 2006.

Russell J. Call Children's Center at Northeastern University. Mr. Bones presentation of the human skeleton to 20 preschool children: November 2003, November 2004, November 2005, November 2006.

Health Careers Academy Internship Advisory Council and curriculum committee sub-council member. Jan - July '04.

Wellesley Congregational Church, Wellesley, MA.

- Christian Education Teacher, 2000-2011
- Deacon 2009-2011.
- Nominating committee 2014-2017.

## **PROFESSIONAL DEVELOPMENT**

NU CATLR Intercultural Pedagogy Inquiry group: 6 sessions (9/24 - 12/3/2019) to discuss the book *Teaching Interculturally* by Amy Lee. 2017

CITI Training 7/2019

**NU CATLR Conflict Resolution one hour workshop. March 15, 2019.**

Publically Engaged Scholar-in-Residence conference with Tim Eatman at Northeastern University January 31 -February 1, 2019.

**NU CATLR Three week online module for facilitating online teaching. 10/29- 11/18/18-**

NU CPS- Master Instruction. Instructor Presence and Feedback.  
Online training module. 2/2/18

NU ADVANCE- Mid Career Advancement *Planning for Sabbaticals and Other Mid-Career Moves* 3.5 hour Workshop October 5th, 2017.

NU CATLR critical thinking seminar: 1.5 hour seminar on how to infuse critical thinking into your courses (9/22/17).

NU CATLR SAIL workshop: 3 hour seminar (9/19/17) to discuss how to infuse SAIL principles into honors seminars.

Service-learning Research Institute through Connecting Campuses with Communities. IUPUI Indianapolis Indiana. May 15-17, 2017.

NU CATLR Heart of Education Inquiry group: 6 sessions (2/7/17 -4/28/17 )to discuss the book *he Heart of Higher Education: A Call to Renewal* by Parker Palmer

NU CATLR Fostering Intellectual Agility Through Mindfulness in the Classroom. January 24, 2017.

NU CATLR Enhancing Service-Learning Through Problem- and Project-Based Learning (PBL) Approaches workshop. October 25, 2016 and November 15, 2016.

Concussion training through Wellesley United Soccer. Half hour online training on the signs and symptoms of concussion in children who participate in athletics. 9/20/15

Modified Applied Behavioral Analysis training. 6 one hour lecture series offered through Confidence Connection Center for Children with Autism. 9/20-10/24/15

NU CATLR. Re-envisioning Lectures to Deepen Learning: A 4-Part Online Inquiry Group. 9/14/15-10/26/15.

NU CPS Professional development conference.: Shifting the Paradigm. Boston, MA October, 2014.

TOPSoccer State Coaching Certificate. U.S. Youth Soccer State course for working with children with disabilities. Wellesley, MA March – November 2013

Proloquo2go Augmented Communication Systems training at Easter Seals. Boston, MA June 2012.

Association for the Assessment of Learning in Higher Education. June 3-5, 2012. Albuquerque, NM.

Interprofessional Education conference. May, 2012. Dulles VA.

Lodestone International safety training for faculty who lead study abroad programs. Four hour training held at NU. March 31, 2012.

Beat Brigade: Learning of therapeutic drumming skills and facilitation techniques as a modality for healing. 2010-2011.

Eliminating Health Disparities by 2010: Tools, Skills & Networks for Action conference. Third New England regional minority health conference designed to bring health providers, educators and interested parties together to provide skills and networking strategies for eliminating health disparities. Boston, MA, March 2-4, 2003.

American Association Higher Education Assessment Conference. Conference dedicated to assessment of learning and innovative assessment practices on college campuses. Boston, MA, June 20-23, 2002.

Center for Collaborative Research at Thomas Jefferson University, Philadelphia, PA. Research Training Institute focus group designed to assist developing researchers with strategies for preparing successful grant proposal for external review. December, 2000.

5th Annual New England Lilly conference on College and University teaching. Theme "Teaching with a Difference" Excellence and Innovations in College Teaching. Boston, MA, October, 1999.

American Association Higher Education Assessment Conference. Conference dedicated to assessment of learning and innovative assessment practices on college campuses. Denver, Colorado, June 13-16, 1999.

Center for Collaborative Research at Thomas Jefferson University, Philadelphia, PA. Research Training Institute week long work group designed to assist developing researchers with strategies

for preparing successful grant proposal for external review. July 20-24, 1999.

New England Association of Schools & Colleges, Inc. 113th Annual meeting. Two day seminar on strategies for improving assessment and learning in the classroom. Copley Plaza Boston, MA. December, 1998.

4th Annual Lilly Conference on College and University Teaching. Two day seminar on scholarship and the practice of teaching conducted by the International Alliance of Teacher Scholars, Inc. and held at Northeastern University, Boston, MA. September, 1998.

Beginning Spanish taken at Boston Language Institute. Nine-week intensive course on basic grammar, vocabulary and conversation. August 1998.

Qualitative Research Methods. Daylong seminar on qualitative research techniques sponsored by the APTA during the combined sections meeting in Boston, MA. February 1998.

The Diabetic Foot: an Interdisciplinary Approach. Sponsored by the Wound Care Center at Boston Regional Medical Center and Sturdy Memorial Hospital. Seminar for health care providers with an overview of the risks for neuropathic foot injury and strategies for the prevention and reduction of reoccurrence of diabetic foot ulcers. Framingham, MA. October 1997.

Infusing Critical and Creative Thinking into Classroom Instruction K-12 and College. Four day workshop on techniques for increasing critical thinking opportunities in college curriculums. Sponsored by the National Center for Teaching Thinking held in Newtonville, MA. July 1997.

Teaching-as-Learning. Week long workshop on ability based learning and the curriculum philosophy used at Alverno College. Presented by the Alverno College Institute. Alverno College, Milwaukee, WI. June 1997.

Physical Activity and Chronic Diseases Seminar, The Governor's Committee on Physical Fitness and Sports, Framingham, MA. November, 1996

Teaching to Competency: Skills for Health Professions Educators. Presented by the Office of Academic Planning and Development Baylor College of Dentistry. August 1996, Steamboat Springs, Colorado.