

## **PAMELA K. LEVANGIE, PT, DSc, DPT, FAPTA**

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### **EDUCATION:**

- 2010 MGH Institute of Health Profession  
Doctor of Physical Therapy (DPT)
- 1986-1998 School of Public Health, Boston University  
Doctor of Science (DSc) in Epidemiology, 1998  
Dissertation Title: Pelvic Asymmetry and Low Back Pain
- 1975-1978 Sargent College of Allied Health Professions, Boston University  
Master of Science, with concentration in Physical Therapy, awarded  
With Distinction, 1978.
- 1966-1970 Boston-Bouvé College, Northeastern University, B.S. in Physical  
Therapy with High Honor, 1970.

### **PHYSICAL THERAPY LICENSURE:**

State of Massachusetts - #1846  
State of Connecticut - #006124

### **EMPLOYMENT AND POSITIONS HELD:**

- 2012-present Professor and Chairperson, Department of Physical Therapy, MGH Institute of Health  
Professions, Boston, MA
- 2010-2012 Professor and Associate Chairperson, Department of Physical Therapy, MGH Institute of  
Health Professions, Boston, MA
- Spring 2010 Visiting Professor, Simmons College, Boston, MA (January-May 2010)
- 2003-2010 Professor, Physical Therapy Program, Sacred Heart University, Fairfield, Connecticut
- 2004-2009 Associate Chairperson, Department of Physical Therapy and Human Movement Sciences
- 2002-2010 Lecturer, Functional Anatomy (PT 520), Physical Therapy Program, Boston University,  
Summer Term, Boston, MA. 8 week summer course.
- 1996-2003 Associate Professor, Physical Therapy Program, Sacred Heart  
University, Fairfield, Connecticut
- 1979-1997 Assistant Professor - Department of Physical Therapy, Boston  
University, Boston, MA
- 1983-1995 Coordinator, Entry-level Programs: Responsibility for academic aspects of BS and MSPT  
programs (reporting to Department Chairperson), Boston University, Boston, MA.

- 1987-1995 Adjunct Clinical Associate - Department of Physical Therapy, Shriver Center, University Affiliated Facility, Waltham, MA
- 1985-1986 Acting Chairperson - Department of Physical Therapy, Boston University, Boston, MA (Co-chairperson for one semester, Chairperson one semester)
- 1973-1979 Instructor - Department of Physical Therapy, Boston University
- 1970-1973: Staff Physical Therapist, Massachusetts Hospital School, Canton, MA. Responsibility for evaluation and treatment of children with severe physical handicaps using multidisciplinary approach.

### **PEER REVIEWED PUBLICATIONS:**

#### **Books/Chapters**

- **Levangie PK**, Norkin CC: Joint Structure and Function: A Comprehensive Analysis. Edition 5, F.A. Davis Co., Philadelphia, 2011. First edition sold more than 36,000 texts. The second edition sold more than 120,000 copies, including international sales. English language rights to the second edition were sold in the Philippines and in India. Foreign language versions of the second edition and third edition were published in Japanese and Korean. The 4th edition sold more than 12,350 copies between its publication in 9/05 and 12/07 and included foreign language rights in Korean and English language rights in India.

#### **Journal Articles**

1. Hile E, **Levangie P**, Ryans K, Gilchrist L. Oncology Section Task Force on Breast Cancer Outcomes: Clinical Measures for Chemotherapy-induced Peripheral Neuropathy-A Systematic Review. *Rehabilitation Oncology 2015*; 33(3): 33-42.
2. Fisher, MI, **Levangie PK**. Oncology Section Task Force on Breast Cancer Outcomes: Scapular Assessment. *Rehabilitation Oncology 2013*; 31(1): 11-18.
3. **Levangie PK**, Fisher, MI. Oncology Section Task Force on Breast Cancer Outcomes: An Introduction to the EDGE Task Force and Clinical Measures of Upper Extremity Dysfunction. *Rehabilitation Oncology 2013*; 31(1): 6-10.
4. Binkley JM, Harris SR, Levangie PK, Pearl M, Guglielmino J, Kraus V, Rowden D. Patient Perspectives on Breast Cancer Treatment Side Effects and Prospective Surveillance model for Physical Rehabilitation for Women with Breast Cancer. *Cancer 2012*; 188(8 Suppl): 2207-16.
5. **Levangie PK**, Santasier A, Stout N, Pfalzer C. A Qualitative Assessment of Long-term Effects of Treatment for Breast Cancer on Shoulder Function among Physical Therapists. *J Supportive Care Cancer 2011*; 19(9): 1367-1378. DOI: 10.1007/s00520-010-0959-x.
6. **Levangie PK**, Drouin J. A Systematic Review of the Long-term Effects of Treatment for Breast Cancer on Shoulder Function. *Breast Cancer Research and Treatment 2009*; 116(1): 1-15. (DOI: 10.1007/s10549-008-0246-4).
7. Gras LZ, **Levangie PK**, Goodwin-Segal M, Lawrence DA: "Comparison of Hip versus Ankle Exercises in Elders and the Influence on Balance and Gait". *J Geri Phys Ther 2004*; 27(2): 39-46.
8. Lusardi MM, **Levangie PK**, Fein BD: A problem-based learning approach to facilitate evidence-based practice in entry-level health professional education. *J Prosth Orth 2002*; 14(2):40-50. [Invited Submission]

9. **Levangie PK.** "Odds ratio e intervalli di confidenza del 95%" (Odds ratios with 95% confidence intervals). *Il Fisioterapista* 2001; 7(3): 57-63. [Milan, Italy: Invited Submission]. Posted: <http://www.eenet.it/fisioterapista>
10. **Levangie PK.** "Odds ratios and 95% confidence intervals in physical therapy-related research." *J Orthop Sport Phys Ther* 2001; 31(9): 496-503. [Invited Submission]
11. **Levangie PK.** "Commentary: Flexural Wave Propagation Velocity and Bone Mineral Density in Females With and Without Tibial Bone Stress Injuries by Gurrbach et al", *J Orthop Sports Phys Ther* 2001; 31(2): 63-65. [Invited Submission]
12. **Levangie PK.** "The Association of Static Pelvic Asymmetry and Low Back Pain." *Spine* 1999; 24(6): 1234-1242.
  - a. **Levangie PK.** Letter to the Editor: In Response. *Spine* 2000; 25(21): 2846.
13. **Levangie PK:** "The Association of Low Back Pain with Self-reported Risk Factors Among Patients Seeking Physical Therapy Services," *Phys Ther* 1999; 79(8): 757-766.
14. **Levangie PK:** "The Association of Four Subjective Tests of Sacroiliac Joint Dysfunction With Static Pelvic Asymmetry And Low Back Pain," *Phys Ther* 1999; 79(11): 1043-1057.
  - a. **Levangie PK:** "An Alternative Conclusion: Author Response". *Phys Ther* 2000; 80(4): 414-415, Letters to the Editor.
15. Rathfon JA, Matthews KM, Yang AN, **Levangie PK**, Morrissey MC: "Effects of Different Acceleration and Deceleration Rates on Isokinetic Performance of the Knee Extensors", *J Ortho Sports Phys Ther* 1991; 14(4).
16. Waagfjord J, **Levangie PK** and Certo ME: "Effects of Treadmill Training on Gait in a Hemiparetic Patient", *Phys Ther* 1990; 70(9): 549-60.
17. **Levangie PK**, Brower J, McKeen S, Parker K and Shelby K: "The Effects of the Standard Rolling Walker and Two Posterior Rolling Walkers on Gait Variables of Normal Children", *Phys Occup Ther Pedi* 1989; 9(4).
18. **Levangie PK**, Chimera M, Johnston M, Robinson F and Wobesky L: "The Effects of Posterior Rolling Walkers vs. the Standard Rolling Walker on Gait Characteristics of Children with Spastic Cerebral Palsy", *Phys Occup Ther Pedi* 1989; 9(4).
19. **Levangie PK**, Guihan MF, Meyer P, and Stuhr K: "Effects of Altering Handle Position of a Rolling Walker on Gait of Children with Cerebral Palsy", *Phys Ther* 1989; 69(1).
20. Opara D, **Levangie PK** and Nelson D: "Effect of Assistive Devices on Normal Gait Characteristics", *Phys Ther* 1985; 66(8).
21. Blumenkopf M, **Levangie PK** and Nelson D: "Perceived Role Responsibilities and Adaptive Physical Educators in Schools", *Phys Ther* 1985; 65(7).
22. Levangie, P. "The Public School Physical Therapist: Role and Educational Needs." *Phys Ther* 1980; 60(6).
23. LaBreche BG, **Levangie PK**, Sharby NH: "Cotrel Traction: A New Approach to the Pre-operative Management of Idiopathic Scoliosis." *Phys Ther* 1974; 54 (8).
24. **Levangie PK:** "Clinical Research Investigating Assistive Devices for Ambulation in Children: Newsletter of the Paediatric Division 1989; Canadian Physiotherapy Association. [Invited Submission: Non-refereed]

**PEER REVIEWED PRESENTATIONS****Peer-Reviewed Educational Sessions:**

1. Gilchrist L, **Levangie PK**, Ryans K, Hile E. “Measures of Chemotherapy-Induced Peripheral Neuropathy” as part of the EDGE Breast Cancer Taskforce Presentation. Combined Sections Meeting, Anaheim, CA, February 10, 2016.
2. Gross KD, **Levangie PK**: "Linking evidence and practice: From group data to individual patient decision-making". 3 hour presentation, Massachusetts APTA Annual Conference, Newton, MA, October 19, 2013.
3. **Levangie PK**, Zadai CC and Maddox J: “Shoulder Dysfunction Status Post Breast Cancer”, a case presentation as part of Diagnosis Dialog: In-patients With Multi-system Involvement---What 'Labels' Should We Use? The 4 hour session included several case presentations as well as a panel discussion that included all presenters. Combined Sections Meeting, Chicago, IL, February 11, 2012.
4. **Levangie PK**: Introduction to “Oncology Section Task Force on Breast Cancer Outcomes: Clinical Measures of Upper Extremity Function” (30 minutes). Fisher MI, **Levangie PK**: “Scapular Assessment” (20 minutes) of a 2 hours session. Contributors: **Levangie PK** (Session Chair), Davies C, Harrington S, Kendig T, Miale S, Perdomo, M, and Sebelki S. Combined Sections Meeting, Chicago, IL, February 10, 2012.
5. Diagnosis Dialog: Research and Clinical Perspectives on Defining the “x” in DxPT. 3 hour interactive presentation. Panel member. Combined Sections Meeting, Las Vegas, NV, February 11, 2009.
6. Diagnosis Dialog: Sharing Perspectives. 2 hour interactive presentation. Panel member. PT 2008, San Antonio, TX, June 11, 2008.
7. **Levangie PK**: “Interpreting Group Data: Keys to Understanding Statistical Significance and Clinical Relevance.” 3 hour presentation, Connecticut Physical Therapy Association Fall Conference, Waterbury, CT, October 4, 2008.
8. **Levangie PK**: “Interpreting Group Data: Keys to Understanding Statistical Significance and Clinical Relevance.” 2 hour presentation, Combined Sections Meeting, Nashville, TN, February 7, 2008.
9. **Levangie PK**: “The Good, the Bad and the Ugly: Choosing Reliable and Valid Measures” a 30 minute presentation within Field-Fote E, Harwood KJ, Levangie PK, Nitkin R, Tucker CA: “Learning from Babel: A Forum on the Development of Standard Sets of Outcomes Measures to Guide Best Practice.” 3 hour presentation, Combined Sections Meeting, Nashville, TN, February 8, 2007.
10. **Levangie PK**: “Upper-Quarter Dysfunction from Long-Term Effects of Treatment for Breast Cancer. 90 minute presentation, Connecticut Physical Therapy Association Fall Conference, Waterbury, CT, November 11, 2006.
11. **Levangie PK** (Session Organizer, Chair and Discussant), Drouin JS, Pfalzer LA, Leggin BT, Michener L: “Musculoskeletal Shoulder Dysfunction from Long-term Effects of Treatment for Breast Cancer: Establishing Prevalence and Directions for Future Research”. 3 hour presentation, Combined Sections Meeting, San Diego, CA, February. 4, 2006.
12. **Levangie PK** (Session Organizer, Chair, and Discussant): “A Qualitative Approach to Understanding Long-term Effects on Shoulder Function of Treatment for Breast Cancer: Musculoskeletal Impairments, Functional Limitations, and Disability”. 3 focus groups and a summary session (3 hours). Combined Sections Meeting, San Diego, CA, February. 2, 2006.

13. Jensen G, Selleck MJ, Hayes KW, Rogers, M, Hack L, **Levangie PK**: “Research and Physical Therapy: Best Practice Strategies for Facilitating Productive Departments”. Discussant for a 3 hour presentation. Combined Sections Meeting, San Diego, CA, February. 4, 2006.
14. Lusardi M and **Levangie PK**: “What do the Number Mean? Interpreting Results of Functional Assessment in Older Adults”. 90-minute presentation, 2003 Connecticut Physical Therapy Association Annual Meeting, Cromwell, CT. November 8, 2003.
15. Discussant: “Where do we go from here? Missing Evidence? Role of Qualitative Research in Addressing Clinical Questions”. Section on Research, Combined Sections Meeting, Tampa, FL. February 14, 2003.
16. **Levangie PK**, Lusardi M, and Wong R: “Evidence-based Practice in Geriatric Rehabilitation: Outcomes of a Consensus Conference” – one hour presentation, 2001 Tri-State Conference and Exposition, Sturbridge, MA. October 19, 2001.
17. Harris SR (Session Chairperson), **Levangie PK**: “Breast Cancer: Myths and Realities.” Half-day Educational Session, APTA Scientific Meeting (PT 2001), Anaheim, CA, June 23, 2001.
18. **Levangie PK** (Session Chairperson), Donovan E, Tyree C and Feltman B: “Long-term Surgical and Radiation-induced Changes in Patients Treated for Breast Cancer: Implications for Management of Shoulder Dysfunction.” Half-day Educational Session, APTA Scientific Meeting (PT 2000), Indianapolis, IN, June 15, 2000

#### **Peer-Reviewed Platform Presentations:**

1. **Levangie PK**: Models for Teaching Module: Platform presentation. Teaching Evidence-based Practice in Rehabilitation Professional Curricula: Summer Faculty Institute. Center for Rehabilitation Effectiveness, Boston University, Boston, MA. June 1, 2002.
2. **Levangie PK**: “The Association of Low Back Pain with Self-reported Risk Factors Among Patients Seeking Physical Therapy Services,” Platform Presentation, APTA Scientific Meeting, Washington, D.C., June 4, 1999.
3. **Levangie PK**: “The Association of Static Pelvic Asymmetry and Low Back Pain,” Platform Presentation, Southern New England American Physical Therapy Association Conference, Newport, RI, October 31, 1998. Platform Presentation, APTA Combined Sections Meeting, Seattle, WA, February 5, 1999.
4. **Levangie PK**: “The Association Of Four Subjective Tests Of Sacroiliac Joint Dysfunction With Static Pelvic Asymmetry And Low Back Pain,” Platform Presentation, Southern New England American Physical Therapy Association Conference, Newport, RI, October 31, 1998. Platform Presentation, APTA Combined Sections Meeting, Seattle, WA, February 5, 1999.
5. **Levangie PK**, Gaskins DB, Higgins MJ, Ito CA and Langevin PJ: “The Effects of Three Walker Types of Gait Characteristics of Elder Women”. Platform presentation, Mass Chapter Annual Meeting, Hyannis, MA, November 1988 and Annual Meeting of APTA, Nashville, TN, June 1989
6. **Levangie PK**, Heerema J, Hembre S, Parker K, and Shelby K. “The Effects of the Standard Rolling Walker and Two Versions of the Posture Control Walker on Gait of Normal Children” Platform Presentation, Annual Meeting of APTA, Las Vegas, NV, June 1986. and Mass Chapter Annual Meeting, Hyannis, MA, November 1987.
7. **Levangie PK**, Chimera M, Johnston M, Robinson F and Wobesky L: “Effects of Posture-Control Walker vs. the Rollator Walker on Gait Characteristics of Children with Cerebral Palsy”. Platform presentation. Annual Meeting of Massachusetts Chapter APTA, Newport, RI, November 1986 and Annual meeting of the American Physical Therapy Association, San Antonio, TX, June 1987

8. **Levangie PK**, Ford M, Meyer P, Stuhr K: "Effects of Altering Handle Position of a Rolling Walker on Gait in Cerebral Palsy Children." Platform Presentation at Annual Meeting of American Physical Therapy Association, Chicago, IL, June 1986 and Annual Meeting of the Massachusetts Chapter APTA, Newport, RI, November 1986.
9. **Levangie PK**: "Use of Group Exam Process in Physical Therapy Education." Platform presentation, APTA Combined Sections Meeting, Anaheim, CA, February, 1986.

#### **Peer-Reviewed Poster Presentations:**

1. Grill B, **Levangie PK**, Cole M, Rosenburg D, Jensen L. "Bone Mineral Density among Individuals with Residual Lower Limb Weakness after Polio", Poster: American Academy of Physical Medicine and Rehabilitation Annual Assembly and Technical Exhibition, Boston, MA, October 3, 2015.
2. Haladay D, **Levangie PK**, Jones S, Comella A. "Minimal detectable change of the percent of submaximal voluntary isometric contraction of the rectus abdominus during the lower abdominal muscle progression (LAMP)." Poster: APTA Combined Sections Meeting, Las Vegas, NV, February 2014.
3. Alexander MK, Kelly LE, **Levangie PK**, Orton T. "Exploration of patient characteristics in lumbar spine dysfunction impacting functional outcome measures". Poster Presentation, Massachusetts APTA Annual Conference (Best Poster Award), Newton, MA, October 19, 2013 and AAPM&R Annual Conference, San Diego, CA, November 2014.
4. Weisbach C, Callahan C, **Levangie PK**: "Functional Independence Measure Score Changes Among Subgroups of Individuals with Acute Spinal Cord Injury". American Spinal Cord Injury Association, Denver, CO, April 19-21, 2012.
5. Delaney B, **Levangie PK**, Guarino A, Brady Wagner L: "Self-Perceived Physical and Psychological Benefits Gained Through Participation in the Spaulding Rehab Adaptive Sports and Recreation Program". Poster Presentation, Rebuilding Lives: New Advancements in Trauma Rehabilitation Conference sponsored by Spaulding Rehabilitation Hospital, Boston, MA, May 3, 2012.
6. Cole M, Grill B, **Levangie PK**, Sibley N, Sutherland T: "Predictors of Fallers Versus Non Fallers Using FOTO Data in the Outpatient Setting". Poster Presentation, Massachusetts APTA Annual Conference (Best Poster Award), Norwood, MA, November 5, 2011, and PT 2012, Tampa, FL, June 7, 2012.
7. Selleck MJ, Gras L, **Levangie PK**: "Department-Sponsored Research Mentorship: A Strategy for Facilitating Faculty Scholarship". Poster Presentation, APTA Scientific Meeting, Boston, MA. June 9-11, 2005.
8. Ames, KA, **Levangie PK**: Outcomes of physical therapy intervention for urinary incontinence: a case series. Poster Presentation, APTA Combined Sections Meeting, Boston, MA. February 22-23, 2002.
9. **Levangie PK**, Donovan DV, Economos N, and Thrall DC: "Assessment of Medial and Lateral Patellar Mobility in Subjects With and Without Knee Pain". Poster Presentation, Mass Chapter Annual Meeting, Hyannis, MA, November 1988 and Annual Meeting APTA, Nashville, TN, June 1989
10. **Levangie PK**, Bates A, Drips A and Thompson J: "Three Tests of Sacroiliac Dysfunction in Subjects With and Without Low Back Pain", Poster Presentation, Mass Chapter Annual Meeting, Falmouth, MA, November 1989 and Annual Meeting, APTA, Anaheim CA, June 27, 1990.

**ABSTRACTS AND PROCEEDINGS:**

1. **Levangie PK.** Preparing students for evidence-based practice. Paper presented at: Evidence-based Healthcare Practice: General Principles and Focused Applications to Geriatric Physical Therapy, 2001; Marymount University, Arlington, VA.
2. **Levangie PK:** Review of Daniel's and Worthingham's Muscles Testing: Techniques of Manual Examination. Hislop HJ, Montgomery J: 1995, 6th Edition, WB Saunders, Publishers, Philadelphia, PA. In *Physiotherapy Theory and Practice* 1998; 14(2): 117-118.
3. **Levangie PK:** Review of A Short Course in Epidemiology, Norell SE. New York, NY: Raven Press, 1992. In *Phys Ther* 1992; 72(9):96.
4. **Levangie PK:** Review of Inman's Joints of the Ankle, Stiehl JB, Ed. Baltimore, MD 21202, Williams & Wilkins, 1991. In *Phys Ther* 1992; 72(6):474.

**NON-PEER REVIEWED PUBLICATIONS****Books/Chapters**

- Gait: Basic Research. Opara D, **Levangie PK** and Nelson D: "Effect of Assistive Devices on Normal Gait Characteristics" (1985). American Physical Therapy Association Anthology, Vol. 1: 329-332, 1993.
- Gait: Clinical Issues. Waagfjord J, **Levangie PK** and Certo ME: "Effects of Treadmill Training on Gait in a Hemiparetic Patient" (1990). American Physical Therapy Association Anthology, Vol. 2: 62-73, 1993.
- Physical Therapy Consultant to: Taber's Cyclopedic Medical Dictionary: 16th Edition, F.A. Davis, Publ., 1989.

**Non-Journal Publications:**

- Field-Fote E, **Levangie PK**, Craik R: "Towards Optimal Practice – How Can Students Contribute?" *Student Assembly Pulse* (Newsletter of the Student Assembly of the APTA), March 2007, p. 4.
- **Levangie PK**, Humphrey EC: "The shoulder girdle: Kinesiology review" [Continuing Education Units offering]. *PT Magazine* 2000; 8(12): 48-62. [Invited Juried Submission]

**NON-PEER REVIEWED PRESENTATIONS****Invited Presentations:**

1. **Levangie PK:** "Long-term Surgical and Radiation-induced Changes in Individuals Treated for Breast Cancer: Implications for Shoulder Dysfunction", Lectureship: University of Toronto's Philippine Working Group-International Center for Disability and Rehabilitation:University of Toronto, Toronto, Canada, May 27, 2017.
2. **Levangie PK:** "Breast Cancer: A Personal and Professional Journey", Ann Putnam Kaleckas Lecturer, Northwestern University, Department of Physical Therapy and Human Movement Science, March 27, 2017
3. **Levangie PK:** "Breast Cancer: An Odyssey." 2 hour presentation, Sacred Heart University DPT program, December 3, 2010; December 2, 2011; November 28, 2012; November 21, 2013; November 19, 2014, December 2, 2015, December 6, 2016.
4. **Levangie PK:** "Why Read Papers? Discussing Evidence-based Practice" (90 minute presentation), APTA of MA Northern Metro District Meeting, Reading, MA, September 24, 2015.

5. **Levangie PK:** “Effect of Radiation on the Biomechanics of the Upper Quadrant in Breast Cancer Patients” (90 minutes presentation). Breast Cancer Rehabilitation Course: A Manual therapy & Exercise Approach to Breast Cancer Rehabilitation. TurningPoint Breast Cancer Rehabilitation, Atlanta, GA, November 7, 2014.
6. Binkley J, **Levangie PK:** “Evaluation of the Shoulder: Special Considerations for Patients with Breast Cancer (Binkley and Levangie: 75 minutes presentation). Breast Cancer Rehabilitation Course: A Manual therapy & Exercise Approach to Breast Cancer Rehabilitation. TurningPoint Breast Cancer Rehabilitation, Atlanta, GA, November 7, 2014.
7. **Levangie PK** and Rainville VL. “Implications of Treatment for Breast Cancer for the Practicing Physical Therapist” (75 minute presentation). APTA of MA Central District, Westborough, MA, September 17, 2014.
8. **Levangie PK** and Chevan J: “Using Evidence to Influence Practice”, 4 hour presentation, Clinical Faculty Institute of the New England Consortium of Academic Coordinators of Clinical Education, Springfield, MA, November 15, 2013.
9. **Levangie PK:** “The Physical and Psychosocial Impact of Treatment for Breast Cancer” (30 minute presentation) and Session Moderator. Breast Cancer Rehabilitation Multidisciplinary Conference. TurningPoint Breast Cancer Rehabilitation and APTA’s Oncology Section, Atlanta, GA, November 8, 2013.
10. **Levangie PK:** Patricia Lahey Memorial Lecture, “Shoulder Dysfunction Post Breast Cancer”, University of the Sciences, Physical Therapy Program, Philadelphia, PA, October 3, 2013
11. **Levangie PK:** “Review of Evidence-based Practice Concept”, full day presentation to DPT students, Simmons College, Boston, MA, May 8, 2013
12. **Levangie PK:** “Reading Published Research: A Road Map.” 1 hour presentation, Harvard Vanguard Medical Associates staff inservice presentation, November 17, 2010.
13. **Levangie PK:** “Evidence-based Practice: Searching the Literature.” 1 hour presentation, Yale-New Haven Physical Therapy Department Inservice Presentation, April 8, 2009.
14. **Levangie PK:** “The Truth about a Mean Value.” Faculty Lunch-and-Learn (45 minutes), College of Education and Health Professions, Sacred Heart University, February 26, 2009.
15. **Levangie PK:** Mary Jane Stickley Mann Lecture: “Following a career path: the maze that is professional development.” Endowed Lectureship, Sage Colleges, Physical Therapy Program, Troy, NY. November 7, 2008.
16. **Levangie PK:** “Biomechanics of the Shoulder Complex: The Basis for Understanding Shoulder Pain and Dysfunction with Special Application to Breast Cancer”, Co-presentation of a one-day seminar, sponsored by TurningPoint Women’s Healthcare, Dahlonega, GA. April 29, 2006.
17. **Levangie PK:** “Effects of Radiation on Shoulder Biomechanics and Function” as part of “The Role of Physical Therapy for Women During and Following Treatment for Breast Cancer: An Evidence-based Clinical Course”. Binkley J, **Levangie PK.** A full-day workshop, Sacred Heart University, Fairfield, CT, November 12, 2005.
18. **Levangie PK:** Greene Lecture: “Professional Development: Connecting the Dots of Opportunity and Happenstance.” Endowed Research Lectureship: Springfield College, Physical Therapy Program, Springfield, MA. April 1, 2005.
19. **Levangie PK:** “Shoulder Complex Kinesiology – a Case-based Approach”, 2 hour Inservice presentation for staff. May 9, 2001: 3030 Park, Fairfield, CT; and June 1, 2004: Norwalk Rehabilitation Services, Norwalk, CT.
20. **Levangie PK:** “Critical Review of Research: Continuing the Process”. Two day seminar for faculty of the Physical Therapy Program, the Sage Colleges, Troy, NY. January 6<sup>th</sup> and June 7<sup>th</sup> 2004.
21. **Levangie PK:** “Pathokinesiologic Implications for Shoulder Function of Treatments for Breast Cancer”. Nelson L, O’Brien P, **Levangie PK,** O’Toole J: “Breast Cancer: Diagnosis through



- Survivorship – Issues for Health Care Professionals”, full day conference, Massachusetts General Hospital and the Institute for Health Professions, Boston, MA. October 26, 2002 and Sacred Heart University, Fairfield, CT, October 25, 2003.
22. **Levangie PK:** “Understanding Data, Measurement and Data Analysis: Foundational Issues to Evidence-based Practice”. Two day seminar for faculty and students of the post-professional Master’s Program in Geriatric Wellness and Rehabilitation, Sacred Heart University, Fairfield, CT. January 2003, September 2003, and September 2004.
  23. **Levangie PK:** “Understanding Data, Measurement and Data Analysis: Foundational Issues to Evidence-based Practice”. Two day seminar for faculty of the Physical Therapy Program, the Sage Colleges, Troy, NY. January 3<sup>rd</sup> and 24<sup>th</sup>, 2003.
  24. **Levangie PK:** Breast Cancer: A Personal and Professional Perspective, 3 hour presentation for Arcadia University’s final year Doctor of Physical Therapy students, Philadelphia, PA. November 13, 2002 and May 1, 2003.
  25. **Levangie PK:** “Long-term Surgical and Radiation-induced Changes in Patients Treated for Breast Cancer: Implications for Management of Shoulder Dysfunction”, 2 hour presentation for Vermont Lymphedema Network, Burlington, VT. September 21, 2002.
  26. Discussant: Evidence-based Practice Case Discussion: Diagnosis. Teaching Evidence-based Practice in Rehabilitation Professional Curricula: Summer Faculty Institute. Center for Rehabilitation Effectiveness, Boston University, Boston, MA. May 31, 2002.
  27. **Levangie PK:** “Understanding Data, Measurement and Data Analysis: Foundational Issues to Evidence-based Practice”. Two day Seminar for faculty of the Department of Physical Therapy and Human Movement Science, Sacred Heart University, Fairfield, CT. May 15-16, 2002.
  28. **Levangie PK:** “Applying Statistics to Intelligent Listening”, 1 hour keynote presentation, Interdisciplinary Research Seminar, Quinnipiac University, September 18, 2001.
  29. **Levangie PK:** “Preparing Students for Evidence-Based Practice” - 20 minute presentation. Evidence-Based Healthcare Practice Conference, Marymount University, Arlington, VA, March 24, 2001.
  30. **Levangie PK** and Lippert LS: “Kinesiology and Biomechanics Review for Physical Therapist Assistants”, Oregon Physical Therapy Association 2001 Spring Conference, Portland, OR. March 10-11, 2001.
  31. **Levangie PK:** “Long Term Shoulder Dysfunction in Patients Treated for Breast Cancer”, 90 minute Inservice presentation for staff of Orthopaedics Plus, Woburn, MA. December 1, 2000.
  32. **Levangie PK:** “Statistical Inference”, 2 hour presentation for PT 662, Scientific Inquiry, Boston University’s Physical Therapy Program, September 28, 2000.
  33. **Levangie PK** and Emery ME: “Problem-based Learning in the Health Sciences: A Workshop for Instructors Teaching the Health Sciences”. Co-sponsored by New York University’s Physical Therapy Program/School of Education and EQUAL, New York University, October 15-16, 1999.
  34. **Levangie PK:** “Measurement and Measurement Issues: Bridging the Gap Between Classroom and Clinic.” 2 hour presentation for participants in Program in Physical Therapy Mentorship Program, Sacred Heart University. February 25, 1997.
  35. **Levangie PK:** “Normal and Pathokinesiology of the Pelvis”, National Athletic Trainers Association, Orlando, FL, 1996.
  36. **Levangie PK:** “Critical Review of Research Literature”. 90 minute Inservice Presentation for Rehabilitation Services Staff at Beth Israel Hospital, Boston, MA, November 30, 1995.
  37. **Levangie PK:** “Clinical Application of Published Research”. Sponsored by Massachusetts Easter Seals Society, Newton, MA (for PT Staff), May 1990.

38. **Levangie PK:**"Musculoskeletal Anatomy and Kinesiology" in "Physical Therapists Preparatory Course for State Examination Candidates", sponsored by the Mass. Chapter APTA, May 1988, September 1988, May 1989, September 1989 and April 1990.
39. **Levangie PK:**"Anatomy and Kinesiology of the Pelvic Lumbar Spine and Hip Joints" in "Advanced Examination & Manual Therapy of Pelvis." Sponsored by Educational Resource Associates, Boston, MA (May 1986, May 1988, and October 1989)
40. **Levangie PK:**"Anatomy and Biomechanics of the Elbow, Wrist and Hand", In "Surgical and Non-Surgical Management of the Elbow, Wrist and Hand", sponsored by Beverly Hospital, Beverly, MA, October, 1987.
41. **Levangie PK:**"Update on Gait Analysis", In-service presentation for the Staff of Easter Seal Society, Boston, MA, December, 1986.
42. **Levangie PK:**"Anatomy and Biomechanics of the Shoulder" in "Overview of the Shoulder Girdle". Sponsored by Beverly Hospital, Beverly, MA, October 1986.
43. **Levangie PK:**"Anatomy and Biomechanics" in "The Shoulder Complex". Brighton Marine Public Health Center, May 11, 1985.
44. **Levangie PK:**"Anatomical Review" in "Diagnosis & Treatment of Muscle Imbalance Syndromes." Sponsored by Education Resource Associates, Boston, MA, December, 1985.

#### **Non-Peer Reviewed Educational Sessions:**

- "Foundation Funding for Postprofessional Study: Options and Guidelines". 90 minute round tables by members of the Scientific Review Committee of the Foundation for Physical Therapy. PT2007, Denver, CO, June 29, 2007; Combined Sections Meeting, Nashville, TN, February 7, 2008.
- "Journal Central: For Anyone Who Reads, Writes , Reviews, or Applies Evidence", 3-hour presentation by selected Editorial Board members of *Physical Therapy*, PT 2004, Chicago, IL, June 30, 2004; and PT2005, Boston, MA, June 11, 2005.
- "Foundation Funding: How to Get It", 3-hour presentation by two members of the Scientific Review Committee of the Foundation for Physical Therapy, PT2005, Boston, MA, June 11, 2005.

#### **FUNDED GRANT ACTIVITY:**

- Statistical/Design Consultant: PCORI Grant Application "A Patient-centered Approach to Chronic Low Back Pain: Assessment of Goal Attainment Scaling as an Outcome Measure and as a Modifier of Treatment Success", Douglas Haladay (PI). In review.
- Foundation for Physical Therapy Doctoral Research Grant. Period of award: July 1993-June 1994, \$11,760 (ceiling of \$12,000).
- Project Director, Long-Term Rehabilitation Training in Physical Therapy. \$21,960/year in tuition and stipend support. Period of award: September 1982 - August 1985.

#### **MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL ORGANIZATIONS and POSITIONS HELD:**

- American Physical Therapy Association (1969-present)
- Taskforce on Admissions Traffic Rules, American Council of Academic Physical Therapy (ACAPT), 2015.
- APTA Awards Committee – Subcommittee on Research (Appointed by APTA Board of Directors: 7/1/15-6/30/17).

- APTA Awards Committee – Subcommittee on Catherine Worthingham Fellows (Appointed by APTA Board of Directors: 7/1/13-6/30/18)
- American Council of Academic Physical Therapy (ACAPT) Board of Directors (October 2015-October 2017).
  - Liaison to Great Lakes Region member institutions
  - Liaison to Communications Committee
  - Liaison to National Interprofessional Education Consortium (NIPEC)
  - Liaison to Benchmark Task Force
  - Member, Policies and Procedures Work Group
- APTA PTCAS Work Group: July 2015-June 2017.
- APTA Section on Oncology (2000-present); APTA Section on Education (1973-present); APTA Section on Research (1986-present); APTA Section on Orthopedics(1989-present);
- Secretary, APTA Section on Research (7/11-6/15)
- President, APTA Section on Research (6/04-6/08)
- Section on Research Delegate to the APTA House of Delegates: June 2005-June 2009 and June 2013.
- Evidence Based Practice Special Interest Group, February 2012-present.
- Outcomes in Breast Cancer (EDGE) Task Force, Section on Oncology, September 2010 – 2015.
- EDGE Task Force (Evaluation Database to Guide Effectiveness), Section on Research (February 2006-2016).
- Diagnosis Dialog (2005-2016)
- APTA Liaison to the Society for Women’s Health Research (appointed by APTA’s Board of Directors, 7/01/05 – 6/30/11)
- Scientific Review Committee (*Ex Officio*), Foundation for Physical Therapy (6/04-6/08).
- Annual Conference Program Committee, Education/Multimedia Subcommittee, American Physical Therapy Association (8/04-6/07).
- APTA’s Committee on Chapters and Sections (appointed by APTA’s Board of Directors, 7/01/05 – 6/30/07)(Chairperson: 7/06-6/07)
- Member of the Editorial Board of *Physical Therapy*, Journal of the American Physical Therapy Association (2001-2006).
- Invited Abstract Reviewer: 14<sup>th</sup> International Congress of the World Confederation of Physical Therapy, Barcelona, Spain, June 2003.
- Discussant: Marilyn Gossman Post-professional Student Research Seminar – Section on Research, Combined Sections Meeting 1999 (Seattle, WA), 2000 (New Orleans, LA), 2001 (San Antonio, TX), 2002 (Boston, MA), 2003 (Tampa, FL), and 2004 (Nashville, TN).
- Representative-At-Large for Professional Education (elected position), Education Section of APTA, 2001-2003.
- Abstracts Reviewer: APTA Section on Research, Combined Sections Meetings in 1995 (Reno, NV), 1996 (Atlanta, GA), 1997 (Dallas, TX), 1998 (Boston, MA), 1999 (Seattle, WA), 2000 (New Orleans, LA), 2001 (San Antonio, TX), and 2002 (Boston, MA).
- Discussant: Platform Presentations for Section on Research, Combined Sections Meetings in 1995 (Reno, NV), 1996 (Atlanta, GA), 1997 (Dallas, TX).

- Chairman, Public Information Committee of the Section on Research, American Physical Therapy Association, 1995 to 1998.
- Invited Participant: Item Writer's Workshop, Professional Examination Service, Boston, MA, April 1-2, 1995
- Invited Member Consultant to "Coalitions for Consensus: A Shared View for Physical Therapy Professional Education" for the Department of Education of the American Physical Therapy Association, 1994. (50 "member-consultants" chosen from among the clinician and educator membership of the APTA to develop the draft document on a model for physical therapy professional education).
- Invited Participant: APTA group to revise "Goals and Objectives for Fostering Research", Fall 1994.

### **Reviewer:**

- 2017-present: Manuscript Review for *Rehabilitation Oncology* (LaCrosse, WI)
- 2015-present: Grant Review for Dutch Cancer Society
- 2011-present: Manuscript Reviewer for *Medical Hypotheses* (Elsevier, Publ)
- 2000-present: Manuscript Reviewer for *J Sports Phys Ther* (Lawrence, KS).
- 2009-present: Manuscript Reviewer for *J Neurol Phys Ther* (Philadelphia, PA)
- 1993-present: Manuscript Reviewer for *Phys Ther* (Alexandria, VA)
- 1985-Present: Manuscript Reviewer for F.A. Davis, Publishers (Philadelphia, PA)

### **CONSULTATIVE AND ADVISORY POSITIONS HELD:**

- Boston University, Physical Therapy Program, Boston, MA: providing consultative services on course revision to Functional Anatomy course (professional curriculum) for implementation in summer 2005.
- Physical Therapy Program, Sage Colleges, Troy, NY: provided consultative services on programmatic research content and teaching methodology, Spring/Summer 2004.
- Physical Therapy Program, University of Medicine and Dentistry of New Jersey, Newark, NJ: providing consultative services on programmatic research content and teaching methodology of curriculum, November 30, 2001.
- Physical Therapy Program, Boston University, Boston, MA: providing consultative services on selected aspects of curriculum development, Spring and Summer 2001. Included: "Functional Anatomy of the Upper Extremity", 9 hour guest lecture for PT 520, Boston University Physical Therapy Program, Boston, MA, July 5<sup>th</sup>, 6<sup>th</sup> and 12<sup>th</sup>, 2001.
- Member, Advisory Board for the Division of Physical Therapy at Long Island University, Brooklyn, NY, 2001
- Program on Aging, Yale University, New Haven, CT: provided consultative services on data issues in the Yale Driver's Study, October 16, 2000.
- Physical Therapy Program, The Sage Colleges, Troy, NY: worked with faculty on programmatic and curricular issues. 1/2000-6/2004.
- Nursing Program, Sacred Heart University, Fairfield, CT: provided consultation services on licensure exam outcomes data. October 1998.
- Physical Therapy Program, Simmons College, Boston, MA: worked with faculty on the development of a research component for the curriculum in preparation for moving the Professional Program to a Master's degree, 1989.

- Member, Professional Advisory Board, Bay State College Physical Therapy Assistant Program (1995-1997).
- Physical Therapist - Boston Physical Therapy Associates - Home care evaluation and treatment of adults with musculoskeletal problems (1983).
- Physical Therapist Consultant to EDCO (Educational Collaborative of Boston) - Physical Therapy evaluation and input on individualized educational plans for school-aged physically handicapped children (1976).

**SERVICE TO THE UNIVERSITY/COLLEGE/SCHOOL (recent):**

- 2016-2017 Interprofessional Clinical Center Curriculum Committee
- 2012-Present Steering Committee, Interprofessional PhD in Rehabilitation Sciences
- 2014-2016 Advisory Committee on Institutional Effectiveness (appointed)
- 2012-2014 MGH Institute of Health Professions Task Force on Interprofessional Education
- 2012-2013 Chairman, Search Committee for Chair of Department of Physician Assistant Studies
- 2010-2012 Chairman, Faculty Search Committee, Department of Physical Therapy
- 2010-2012 Chairman, Committee on Academic Policy and Procedure, Department of Physical Therapy, MGH Institute of Health Profession (appointed).
- 2010-2012 Faculty Senate, MGH Institute of Health Profession (elected).
- 2010-2012 Course and Curriculum Review Committee (CCRC), MGH Institute of Health Profession (elected).
- 2008-2009 University Research and Creativity Grant (URCG) Committee, Sacred Heart University (appointed).
- 2008-2009 At-Large Representative to the Benefits Committee of the University Academic Assembly (elected).
- 2007-2009: College Representative to the Council of the University Academic Assembly (elected).
- 1996-2009: Chairman, Admissions Committee, Program in Physical Therapy.
- 1996-2009: Chairman, Professional Performance Review Committee, Department of Physical Therapy and Human Movement Sciences
- 2003-2008 University Committee on Promotion and Tenure: College Representative (elected)
- 2005-2007 Human Movements Sports Science Program Search Committees for Program Chairperson and faculty.
- Spring 2007 CEHP Research/scholarship Course Release (RSCR) Review Committee
- 2005-2007 Vice President, President, Past President: University Academic Assembly (elected)
- 2006-2007 Ad Hoc Committee on Faculty Compensation, CEHP representative
- 2005-2006 Strategic Planning: Academic Excellence Subgroup
- Fall 2004 University's Faculty Senate: College Representative (elected)
- 2003-2004 Parliamentarian for the University Faculty Assembly (elected)
- 2003-2004 University Committee on Academic Governance: College Representative (elected)
- 2003-2004 Secretary to the Faculty Senate and Senate Steering Committee (elected)
- 1997-2004: University's Faculty Senate: Department Representative (elected)
- Spring 1997: University Research/Creativity Grants Committee

- 1999-2003 (Chairperson: '01-'03)
- Fall 2001: University Strategic Planning Committee: Task Force on Information Technology.
- 2001-2002: NEASC Self-Study Task Force on Standard V: Faculty
- 1998-2001: Faculty Affairs Committee of the Faculty Senate (Chairperson: 1999-2001)
- Fall 2000: Search Committee for the College of Business, Department of Management.
- Summer 2000: Ad Hoc Committee to Develop Standard Operating Procedures for the Committee on Rank and Tenure.

#### **MGH Institute of Health Professions Service Awards:**

- Partners in Excellence Team Award, Spaulding Rehabilitation Network – Institute of Health Professions Clinical Scholars Program, 2011.
- Partners in Excellence Team Award, 2CC Construction & Operational Team, 2012.
- Partners in Excellence Team Award, Interprofessional Model for Patient- and Client-Centered Team (IMPACT) Taskforce, 2013.
- Partners in Excellence Team Award, 2013 Campus Expansion Team, 2013.

#### **HONORS AND AWARDS:**

- 2017 Lecturer, University of Toronto's Philippine Working Group-International Center for Disability and Rehabilitation: "Long-term Surgical and Radiation-induced Changes in Individuals Treated for Breast Cancer: Implications for Shoulder Dysfunction", University of Toronto, Toronto, Canada, May 27, 2017.
- Ann Putnam Kaleckas Lecturer: "Breast Cancer: A Personal and Professional Journey", Northwestern University, Department of Physical Therapy and Human Movement Science, March 27, 2017
- Patricia Lahey Memorial Lecture: "Shoulder Dysfunction Post Breast Cancer", University of the Sciences, Physical Therapy Program, Philadelphia, PA, October 3, 2013
- Catherine Worthingham Fellow of the American Physical Therapy Association (FAPTA), March 2009.
- Mary Jane Stickley Mann Lectureship: Sage Colleges, Physical Therapy Program, November 7, 2008.
- Dean's Leadership Award, College of Education and Health Professions, Sacred Heart University, August 28, 2008. In recognition of outstanding service representing the college on the Council of the University Academic Assembly.
- Greene Memorial Lecture in Physical Therapy: Springfield College, Physical Therapy Program, April 1, 2005.
- American Physical Therapy Association's Dorothy E. Baethke-Eleanor J. Carlin Award for Outstanding Academic Teaching, June 2001.
- 1999 Faculty Scholarship Award, Sacred Heart University, May 1999.
- 1993 Twiness Award, from Boston University, Sargent College Alumni Association (in recognition of service to the College).
- Honorary Membership in the Golden Key National Honor Society, September 1991.

- 1991 Outstanding Faculty Award from Boston University Chapter of the Golden Key National Honor Society (recognition by the membership of the society as one of “Boston University’s outstanding teachers, based on motivation, personality, availability, commitment and overall teaching ability.”)

### **RECENT CONTINUING EDUCATION:**

- “Habit Formation: Infusing Reflection from Entry Level through Residency”, One-day preconference workshop, Combined Sections Meeting, San Antonio, TX, February 15, 2017.
- Course Design Institute, MGH Institute of Health Professions, August 25-27, 2015.
- “Cancer Rehabilitation - Towards a National Agenda”, the NIH, Clinical Center for Rehabilitation Medicine, Bethesda, MD, June 8, 2015.
- Clinical Education Summit, American Council of Academic Physical Therapy (ACAPT), Kansas City, MO, October 12-13, 2014.
- “Team-based Learning Workshop” by Larry Michaelsen, MGH Institute of Health Professions, August 27-28, 2014 (2 days).
- “Preparing the Next Generation of Physical Therapists for Innovative Practice: Physical Therapy Leaders Networking to Transform Health Care”, George Washington University, Washington DC, July 25-26, 2014 (1.7 CEUs)
- “Advanced Teaching Skills: Stimulating, Lively and High Yield Learning through the Use of Interactive and Innovative Teaching Approaches” offered by Brigham and Women’s Hospital and by Harvard Medical School, Boston, MA, May 20-21, 2014.
- Leadership Academy for Academic Chairs sponsored by the Academic Council on Education, January 8-9, 2013, Long Beach, CA.
- Accreditation Self-Study Workshop sponsored by the Commission on Accreditation in Physical Therapy Education, September 3-4, 2012, Greenwich, CT.
- “Regenerative Medicine in Rehabilitation”, a research retreat sponsored by the Section on Research of the American Physical Therapy Association, August 5-9, 2012 in Java Center, NY.
- “New Frontiers in Disability Related Comparative Effectiveness Research (CER), Boston University, Boston, MA, June 22, 2012 (7 contact hours)
- “Cheating, Lying and Honor in America’s High Schools, Colleges and Universities”, Virginia Military Institute’s Center for Leadership and Ethics, Lexington, VA, March 5-6, 2012.
- “Diagnosis and Treatment of Movement System Impairments of the Neck and Shoulder.” Sacred Heart University, Fairfield CT, November 13-14, 2009. (12.5 CEUs)
- “Use of the International Classification of Functioning, Disability, and Health to Develop Evidence-based Practice Guidelines for Common Musculoskeletal Conditions: A Progress Update.” Combined Sections Meeting, Las Vegas, NV, February 10, 2009 (.175 CEU)
- “Assessment of the Quality of Cost-Effectiveness Studies in Physical Therapy”, Combined Sections Meeting, Las Vegas, NV, February 10, 2009 (.2 CEU)
- “PEDro, Hooded on Evidence, and the Future of Accessing Evidence”, Combined Sections Meeting, Las Vegas, NV, February 11, 2009 (.175 CEU)

### **CURRENT TEACHING RESPONSIBILITIES IN ENTRY-LEVEL PROGRAM:**

- PT 601, Fundamentals of Patient/Client Management 1
- PT 602, Fundamentals of Patient/Client Management 2