

Curriculum Vitae

Marybeth Grant-Beuttler, PT, PhD, PCS
Associate Professor
Department of Physical Therapy
Crean School of Health & Behavioral Sciences
Chapman University

Education:

Drexel University Hahnemann Programs in Rehabilitation Sciences Philadelphia, PA	Ph.D. in Movement Sciences	September 1999- December 2004
<i>Major areas of study:</i>	Motor Control Issues in Human Movement, Statistics, and Biomechanics	
<i>Dissertation title:</i>	Muscle Extensibility and Ankle Kinematics during Supine Kicking in Infants Born Preterm and Infants Born Full term	
University of North Carolina - Chapel Hill Chapel Hill, NC	M.S. in Human Movement Sciences	September 1994- December 1997
<i>Major areas of study:</i>	Human Movement with an emphasis in the fetus and preterm infant, statistics, and research	
<i>Thesis title:</i>	Fetal and Newborn Movements in Preterm and Full term Infants	
Northwestern University Programs in Physical Therapy Chicago, IL	B.S. in Physical Therapy	June 1986- October 1987
Augustana College Rock Island, IL	No degree awarded- accepted to Northwestern	September 1983- June 1986
<i>Major areas of study:</i> Psychology, Biology, and Pre-Physical Therapy		

Advanced Certifications:

Pediatric Clinical Specialist
-May 2006, certified by the American Physical Therapy Association

Neonatal Individualized Developmental Care and Assessment Program Certification (NIDCAP)
-September 1995, certified by James Helm, EdD

Pediatric Neurodevelopmental Treatment Certification
-November 1991, certified by Marjorie Adams, MA, PT

Prenatal and Postpartum Exercise Instruction Certification
-May 1989, certified by Elizabeth Noble, PT

Licensure:

California Physical Therapy License Certificate # PT-33373	Expiration date: March 31, 2022
Pennsylvania Physical Therapy License Certificate # PT-012349-L	Expiration date: Dec. 31, 2006

Employment and Positions Held:

Azusa Pacific University Department of Physical Therapy 901 E Alosta Ave, Azusa, CA 91702	Adjunct Professor in PhD Program	June 2019-present
Chapman University Department of Physical Therapy One University Drive Orange, CA 92866	Associate Professor Assistant Professor	August 2012 – present August 2006- July 2012
Physical & Occupational Therapy in Pediatrics Duties: Review and assign manuscripts for the journal.	Editorial Board Member	June 2013 - present
Children's Hospital of Orange County 1201 W La Veta Ave Orange, CA 92868 **CHOC purchased Providence Speech and Hearing Center- contract transferred to CHOC Duties: Pediatric outpatient treatment and physical therapy supervision ~ 4-6 hours/week	Physical Therapist, PSHC PD	February 2020-February 2021
Providence Speech and Hearing Center 1301 W Providence Ave Orange, CA 92868 **Providence purchased The Children's Therapy Center- contract transferred Duties: Pediatric outpatient treatment and physical therapy supervision ~ 4-6 hours/week	Pediatric Physical Therapist	September 2018- February 2020
The Children's Therapy Center 12881 Knott Street Garden Grove, CA 92641 Duties: Pediatric outpatient treatment and physical therapy supervision ~ 4-6 hours/week	Contract Pediatric Specialist	February 2013 - present
University of Scranton 800 Linden Street Scranton, PA 18510-4586	Tenure Granted- January 2005 Assistant Professor (8/2001) Instructor (8/1999-7/2001) Lecturer (8/1998-7/1999)	August 1998 – May 2006
Pediatric and Adult Therapy Services Aaron Center 851 Commerce Blvd. Dickson City, PA 18519 Duties: Pediatric physical therapy evaluation and intervention for children enrolled in early intervention and all other types of private and state funded programs.	Pediatric Physical Therapist	Dec 2002- June 2006
Western Wayne School District P.O. Box 220 South Canaan, PA 18459 Duties: Physical therapy intervention for all elementary students in the summer school program.	Pediatric Physical Therapist	Summer 2005
Physical Therapy Case Reports 5700 – 103 Magellan Way Raleigh, NC 27612-2254 Duties: Contacting authors for submissions; reviewing books, web pages, and computer programs; public relations to Post-professional Physical Therapy schools; requesting materials for review from publishers; other assorted projects related to preparing the journal for submission to publisher.	Assistant Editor	October 1997 – July 1998

Chapel Hill – Carrboro School District Pediatric Physical Therapist March 1996 – July 1998
Lincoln Center – Merritt Mill Road
Chapel Hill, NC 27514
Duties: Evaluation, intervention, and problem-solving gross motor activities in a school setting.
Caseload included preschool, elementary, and middle school aged children.

Duke University Pediatric Physical Therapist May 1996 – June 1996
Lenox Baker Children’s Hospital
3000 Erwin Road
Durham, NC 27705
Duties: Temporary staff position for Physical Therapist on maternity leave

Easter Seals Society of North Carolina Pediatric Physical Therapist June 1995 – Sept. 1995
2315 Myron Drive
Raleigh, NC 27607
Duties: Evaluation and treatment in patient’s homes

Orange County Association for Handicapped and Retarded Citizens Pediatric Physical Therapist Oct. 1993 – Aug. 1994
249 Broadway
Newburgh, New York 12550
Duties: Evaluation and treatment in a special education setting, positioning in the classroom, coordination of classroom goals with the teacher and other disciplines, equipment monitoring and ordering, and supervision of PTA’s.

Long Beach Memorial Medical Center Pediatric Clinical Specialist Sept. 1988 – Aug. 1993
Miller’s Children Hospital
2801 Atlantic Blvd.
Long Beach, CA 90008
Duties: Acute pediatric inpatient evaluation and treatment, outpatient pediatric evaluation and treatment, acute pediatric inpatient rehabilitation, follow-up evaluations of NICU graduates, high-risk obstetric evaluation and treatment, teaching prenatal/postnatal exercise, coordination of in-services and teaching for OT, Speech Pathology, and PT staff, supervision of aides.

The Children’s Therapy Center Contract Pediatric Specialist August 1993
12881 Knott Street
Garden Grove, CA 92641
Duties: Pediatric outpatient treatment

NeuroCare, Inc. Contract Pediatric Specialist Feb. 1993 – Aug. 1993
1001 Galaxy Way, Suite 400
Concord, CA 94520
Duties: Pediatric rehabilitation home care

Annette Levey & Associates Physical Therapist July 1998 – Sept. 1988
310 Washington St., Plaza 111
Marina Del Rey, CA 90292
Duties: Acute inpatient and outpatient evaluation and treatment at La Habra Community Hospital.
Program development for prenatal and postnatal exercise classes and TENS or labor.

Bevilacqua Physical Therapy Service Physical Therapist Oct. 1987 – July 1988
412 W. Carroll Ave., Suite #108
Glendora, CA 91740
Duties: Inpatient and outpatient at Foothill Presbyterian Hospital and a private outpatient office.

Honors and Awards:

- APTA award: *Dissertation award*- This award honors a member of the Pediatric Section of the American Physical Therapy Association who has completed a dissertation in the past year. Awarded at Combined Sections Meeting of the American Physical Therapy Association, Pediatric Section Meeting, February 2006.
- Graduation awards: *Scholarship award*- This award honors a PhD student who has exceeded expectations in academics and in the completion of work that makes a contribution to scholarship in the field. Drexel University, College of Nursing and Health Professions, May 2005.
- Who's Who nomination*- Drexel University, College of Nursing and Health Professions, May 2005.
- CPTA award: *CPTA Faculty Research Award*- California Physical Therapy Associations Faculty Research Award for "Ankle Movements in Infants Born Preterm" October 2016.
- Chapman Award: *Unit Faculty Excellence Award*- Awarded to faculty in recognition of excellence in teaching, creative/scholarly, and service to their unit and the university. April 2018.
- Valerie Scudder Award*- Awarded to a recognize outstanding achievement in teaching and research/creative work. May 2018.

Reviewed Publications:

- Conroy S, Evans T, Butler-Moburg D, Beuttler R, Robinson J, O'Mahony E, Huebert M, **Grant-Beuttler M**. Using the PEDI-CAT to highlight improvements following 6-months of physical therapy with hippotherapy in children with functional movement impairments. Submitted.
- Ershadi G, Gwak M, Aminian A, Soangra R, **Grant-Beuttler M**, Sarrafzadeh M. Smart Insole: Remote gait detection algorithm using pressure sensors for toe walking rehabilitation. 2021 IEEE 7th World Forum on Internet of Things. doi.org/10.1109/WF-IoT51360.2021.9595676.
- Soangra R, Shiraishi M, Beuttler R, Gwerder M, Boyd L, Muthukumar V, Trabia M, Aminian A, and **Grant-Beuttler M**. Foot contact dynamics and fall risk among children diagnosed with idiopathic toe walking. *Appl. Sci.* 2021,11:2862. <https://doi.org/10.3390/app11062862>.
- Ershadi G, Gwak M, Sarrafzadeh M, Aminian A, Soangra R, Grant-Beuttler M. Smart Insole: Pedometer and Toe Walking Detection Platform for remote monitoring of walking patterns. 2020 IEEE 6th World Forum on the Internet of Things.
- Pollind M, Soangra R, **Grant-Beuttler M**, Aminian A. Customized Wearable Sensor-Based Insoles for Gait Re-Training in Idiopathic Toe Walkers. *Biomed Sci Instrum.* <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7094808/>
- Kim S, Soangra R, **Grant-Beuttler M**, Aminian A. Wearable Sensor-Based Gait Classification in Idiopathic Toe Walking Adolescents. *Biomed Sci Instrum.* In press. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7094809/>
- Lakes K, Sharp K, **Grant-Beuttler M**, et al. A six-week therapeutic Ballet Intervention improved gait and inhibitory control in children with cerebral palsy- A pilot study. *Front. Public Health*, June 2019. doi.org/10.3389/fpubh.2019.00137
- Smith JA, Hawkins A, **Grant-Beuttler M**, Beuttler R, Lee S. Risk factors associated with low back pain in golfers: A systematic review and meta-analysis. *Sports Health*. 2018. doi:10.1177/1941738118795425.

Menz S & Grant-Beuttler M. Commentary on "Effects of a program improving biomechanics during walking and running in children who are obese". *Pediatr Phys Ther.* 2017;29(4),341.

Gannotti M, Bailes A, Bjornson K, O'Neill M, **Grant-Beuttler M**, Dusing S. Pediatric rehabilitation services for children with cerebral palsy: What can existing data sources tell us? *Pediatr Phys Ther.* 2017;29:179-186.

Grant-Beuttler M, Jennings J, McCauley C, Dulay R, Grossnickle K, Kill K, Hay J. Development of an Electronic Version of The Children's Self-Perceptions of Adequacy in and Predilection for Physical Activity Scale. *Pediatr Exerc Sci.* 2017;29(1):153-160. doi:10.1123/pes.2016-0115. Epub 2016 Oct 21. PMID:27768553.

Grant-Beuttler M, Heriza C, Palisano R, Wagner B, Miller D, Karduna A. Ankle Movements during Supine Kicking in Infants Born Preterm. *Pediatr Phys Ther.* 2016;28(3),294-303. doi:10.1097/PEP.0000000000000252

Hollandsworth CR, **Grant-Beuttler M**. Commentary on "Physical Activity of Children with a Mitochondrial Disease Compared to Children who are Healthy". *Pediatr Physical Therapy.* 2014;26(1),27.

Menz S, Hatten K, **Grant-Beuttler M**. Strength-Training in a Child with Motor Delays Consistent with Developmental Coordination Disorder: A Case Report. *Pediatr Phys Ther.* 2013;25:214-223.

Grant-Beuttler M & Drndarski K. Commentary for "Beyond Fitness: The psychosocial benefits of an inclusive community-based aquatics program". *Pediatr Phys Ther.* 2012;24(4),368.

Grant-Beuttler M, Glynn L, Salisbury A, Davis EP, Holliday C, Sandman C. Fetal Movement in Response to Vibro-acoustic Stimulation at 26- and 36-Week Gestation. *Front Psychol.* 2011;2:350. doi:10.3389/fpsyg.2011.00350.

Grant-Beuttler M, Palisano R, Miller D, Wagner B, Heriza C, Shewokis P. Gastrocnemius/soleus muscle tendon unit changes in infants born preterm over the first 12 weeks of adjusted age. *Phys Ther.* 2009;89(2): 136-148.

Grant-Beuttler M, Palisano R, Miller D, Wagner B, Heriza C, Shewokis P. Author response to Invited Commentary by Heathcock [commentary for: Gastrocnemius/soleus muscle tendon unit changes in infants born preterm over the first 12 weeks of adjusted age.] *Phys Ther.* 2009;89(2): e2-e4 [online]. Available at: <http://www.ptjournal.org/cgi/content/full/89/2/e2>. Accessed February 2, 2009.

Grant-Beuttler M, Shewokis P. (2007) Muscle tendon unit comparisons between infants born preterm and infants born fullterm: A pilot study. *Pediatr Phys Ther.* 19(4): 309-314.

Hakim R, Kelly S, **Grant-Beuttler M**, Healy B, Krempasky J, Moore S. (2005). Case Report: A Modified Constraint-Induced Therapy (mCIT) Program for the Upper Extremity of a Person with Chronic Stroke. *Physiother Theory Pract.* 21(4):243-256.

Grant-Beuttler M, Leininger P, Palisano R. (2004). Reliability of a Measure of Muscle Extensibility in Fullterm and Preterm Newborns. *Phys Occup Ther Pediatr*, 24(1/2), 173-185.

Grant-Beuttler M & Wagner B. Case 4. In Brimer & Moran (editors) Clinical Cases in Physical Therapy, 2nd Edition. Philadelphia: Butterworth & Heinemann; 2004.

Grant-Beuttler M. Case 12. In Brimer M & Moran M (editors). Clinical Cases in Physical Therapy, 2nd Edition. Philadelphia: Butterworth-Heinemann; 2004.

Peer Reviewed Scientific and Professional Presentations:

**authors in italics are students*

*Santos J, Williams D, McCauley C, **Grant-Beuttler M**, Jonathan N.*

Poster Presentation- "Assessing Functional Outcomes in Children with Disabilities through a Community Dance

Program” (Pediatric Section of the APTA)
February 2021, Combined Sections Meeting, APTA

Gwerder M, Shiraishi M, Hoang C, Soangra R, Beuttler R, Aminian A, Grant-Beuttler M.
Poster Presentation- “Different Methods to Measure Ankle Range of Motion in Children with Idiopathic Toe Walking” (Pediatric Section of the APTA)
February 2021, Combined Sections Meeting, APTA.

Grant-Beuttler M, Gwerder M, Hoang C, Shiraishi M, Beuttler R, Aminian A, Soangra R.
Poster Presentation- “Evaluation of Balance in Children Diagnosed with Idiopathic Toe Walking” (Pediatric Section of the APTA)
February 2021, Combined Sections Meeting, APTA.

Gwerder M, Soangra R, Beuttler R, Aminian A, Grant-Beuttler M.
Virtual Poster Presentation- “Evaluation of Balance in Children Diagnosed with Idiopathic Toe Walking”
December 2020, Annual Pediatric and Neonatal Conference

Vogel C, Brechter J, Grant-Beuttler M.
Virtual Poster Presentation “DPT Students’ Self-reported Breathing Pattern Assessment During an Online Learning Activity”
October 2020, California Physical Therapy Association Conference.

Hoang C, Shiraishi M, Beuttler R, Grant-Beuttler M, Aminian A, Soangra R.
Virtual Presentation- “Limits of Stability in Children diagnosed with idiopathic toe walking”
September 17th, 2020, The European Society for Movement Analysis in Children Virtual Meeting.

Shiraishi M, Hoang C, Grant-Beuttler M, Beuttler R, Aminian A, Soangra R.
Virtual Presentation- “Kinetics and kinematic differences in idiopathic toe walking in children”
September 17th, 2020, The European Society for Movement Analysis in Children Virtual Meeting.

Gwerder M, Shiraishi M, Hoang C, Soangra R, Beuttler R, Aminian A, Grant-Beuttler M.
Virtual Presentation- “Relationship between different methods to measure ankle range of motion in children with idiopathic toe walking”
September 17th, 2020, The European Society for Movement Analysis in Children Virtual Meeting.



Chu, V.W., Girolami, G.L., Soangra, R., Beuttler, R., Hollandsworth, C., Chheda, S., Grant-Beuttler, M.
Poster Presentation- “Children with idiopathic toe walking showed differences in areas of tactile and vestibular processing” (Program No. 764.04).
October 19-23, 2019, Neuroscience, Society for Neuroscience Annual Meeting, Chicago, IL.

Grant-Beuttler M.
Program Presentation- “Improving Health Outcomes for Children with Cerebral palsy and their Families through an Inter-professional Community Program”
October 17-20, 2019, The Academy of Pediatric Physical Therapy. Research Summit V. Washington DC.

Soangra R, Beuttler R, Hollandsworth C, Chheda S, Aminian A, Grant-Beuttler M.
Poster Presentation- “Spatiotemporal Gait Characteristics in idiopathic toe walkers”
June 30-July 5, 2019, International Society for Posture and Gait Research. Edinburgh, Scotland
<https://ispgr.org/wp-content/uploads/2019/07/ISPGR-Abstract-Book.pdf>

Grant-Beuttler M, Gwerder M, Beuttler R, Hollandsworth C, Chheda S, Aminian A, Soangra R.
Poster Presentation- “Evaluation of balance in children with idiopathic toe walking”
June 30-July 5, 2019, International Society for Posture and Gait Research. Edinburgh, Scotland
<https://ispgr.org/wp-content/uploads/2019/07/ISPGR-Abstract-Book.pdf>

Conroy S, Evans T, Butler-Moburg D, Robinson J, Beuttler R, Wands C, **Grant-Beuttler M**.
Poster Presentation- “Using the PEDI-CAT to highlight improvements in functional performance following 6 months of hippotherapy”
May 9-13, 2019, World Congress of Physical Therapy. Geneva, Switzerland
<https://www.abstractstosubmit.com/wcpt2019/archive/#/view>

Huibschi T, Nguyen M, Asher J, Weber C, Rubenstein E, Jonathan N, **Grant-Beuttler M**.
Poster Presentation- “Improving health outcomes for children with cerebral palsy and their families through an inter-professional community program”
May 9-13, 2019, World Congress of Physical Therapy. Geneva, Switzerland
<https://www.abstractstosubmit.com/wcpt2019/archive/#/view>

Grant-Beuttler M, Beuttler R, Kill K, Grossnickle K, Dulay R, McCauley C, Jennings J, Hay J.
Poster Presentation- “Sex differences in the relationships between self-efficacy and motor performance in young children”
May 9-13, 2019, World Congress of Physical Therapy. Geneva, Switzerland
<https://www.abstractstosubmit.com/wcpt2019/archive/#/view>

Pollind M, Soangra R, **Grant-Beuttler M**, Aminian A.
Poster Presentation- “Customized Wearable Sensor-Based Insoles for Gait Re-Training In Idiopathic Toe Walkers”
April 12-14, 2019; 56th Annual Rocky Mountain Bioengineering Symposium/38th IEEE Great Lakes Biomedical Conference Milwaukee, Wisconsin.

Kim S, Soangra R, **Grant-Beuttler M**, Aminian A.
Poster Presentation- “Wearable Sensor-Based Gait Classification in Idiopathic Toe Walking Adolescents”
April 12-14, 2019; 56th Annual Rocky Mountain Bioengineering Symposium/38th IEEE Great Lakes Biomedical Conference Milwaukee, Wisconsin.

Conroy S, Evans T, Butler-Moburg D, Robinson J, Beuttler R, **Grant-Beuttler M**.
Poster Presentation- “Using the PEDI-CAT to Highlight Improvements Following 6 Months of Physical Therapy with Hippotherapy in Children with Functional Movement Impairments”
March 21-23, 2019, American Hippotherapy Association, Inc. 2019 International Conference Lexington, Kentucky

Wands C, Grant-Beuttler M, Conroy S, Evans T, Butler-Moburg D, Robinson J, Beuttler R.
Poster Presentation- “Using the PEDI-CAT to highlight improvements in functional performance following 6 months of hippotherapy.” (Pediatric Section of the APTA)
January 23-26, 2019 Combined Sections Meeting of the American Physical Therapy Association. Washington, DC

Beuttler R, **Grant-Beuttler M**, Rakovski C, Allali M.
Poster Presentation- “Analysis of Joint Angles During Gait in Infants Born Preterm and Full Term” (Pediatric Section of the APTA)
February 17-20, 2016 Combined Sections Meeting of the American Physical Therapy Association. Anaheim, CA

Grant-Beuttler M, Beuttler R, Rakovski C, Glynn L.
Poster Presentation- “Gastrocnemius-Soleus Adaptation in Typical Children Under 7 Years Old and Children Who Toe-Walk” (Pediatric Section of the APTA)
February 17-20, 2016 Combined Sections Meeting of the American Physical Therapy Association. Anaheim, CA

Ehrlich N, Hackett K, **Grant-Beuttler M**, Swan C, Hatten K.
Poster Presentation- “Effects of Hippotherapy on Children with Cerebral Palsy: A Systematic Review” (Pediatric Section of the APTA)
February 3-6, 2014 Combined Sections Meeting of the American Physical Therapy Association. Las Vegas, NV

Sabovich S, Wong L, **Grant-Beuttler M**.
Poster Presentation- “Factors Affecting Balance in Normally Developing 5-Year-Olds” (Pediatric Section of the APTA)

February 3-6, 2014 Combined Sections Meeting of the American Physical Therapy Association. Las Vegas, NV

Atienza D, Bennett N, Glynn L, **Grant-Beuttler M.**

Poster Presentation- “Reference Data for Normally Developing 5-year-olds Utilizing the Balance Master’s mCTSIB” (Pediatric Section of the APTA)

January 21-24, 2013 Combined Sections Meeting of the American Physical Therapy Association. San Diego, CA

Freeman JA, Guy AR, Rader AD, **Grant-Beuttler M.**, Cipriani D.

Poster Presentation- “A comparison of functional outcomes using Toe-OFF dynamic ankle-foot orthoses in a healthy adult population: A pilot study” (Orthopedic Section of the APTA)

February 8-11, 2012 Combined Sections Meeting of the American Physical Therapy Association. Chicago, IL

Chen J, **Grant-Beuttler M.**, Glynn L.

Poster Presentation: “The relationship of the gastrocnemius-soleus muscle tendon unit to postural control in 5-year-old children” (Pediatric Section of the APTA)

February 8-11, 2012 Combined Sections Meeting of the American Physical Therapy Association. Chicago, IL

Mercier R, **Grant-Beuttler M.**, Oropeza M, von Ibsch D.

Poster Presentation- “Gastrocnemius-soleus muscle extensibility: Comparison across walking stages and neurological diagnoses in children” (Pediatric Section of the APTA)

February 8-11, 2012 Combined Sections Meeting of the American Physical Therapy Association. Chicago, IL

Drndarski KN & **Grant-Beuttler M.** (2011). Developmental Assessment Field Work” Concurrent Session #1, Preparing Pediatric PTs – What’s New in Academic Preparation, at the Section on Pediatrics Annual Conference (SOPAC) on August 31, 2011.

Menz S, Hatten K, **Grant-Beuttler M.**

Poster Presentation- “Effectiveness of a strength training intervention for a seven-year-old girl with gross motor delays consistent with developmental coordination disorder: A case study” (Pediatric Section of the APTA)

February 9-12, 2011 Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA

Fletcher A, Bridges M, Gutmann C, **Grant-Beuttler M.**

Poster Presentation- “Kinematic analysis of flexion-initiated versus extension-initiated kicks in infants born full term and preterm” (Pediatric Section of the APTA)

February 17-20, 2010 Combined Sections Meeting of the American Physical Therapy Association, San Diego, California

Hui I, Waite M, **Grant-Beuttler M.**

Poster Presentation- “Calf Muscle Extensibility of Children 0-7 Years Old in Different Stages of Gait Development”

October 2-3, 2009 California Physical Therapy Association Annual Conference, Pasadena, California.

Oropeza M, Wiggs C, Fakhury H, **Grant-Beuttler M.**

Poster Presentation- “Calf muscle extensibility in normal children ages 0-7 years” (Pediatric Section of the APTA)

February 9-12, 2009 Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, Nevada

Grant-Beuttler M.

Moderator and presenter for a Concentrated Education Series- “Infants born Prematurely”

June 11-14, 2008; PT 2008: Annual Conference & Exposition of the American Physical Therapy Association, San Antonio, Texas.

Grant-Beuttler M.

Poster Presentation- “The Relationship Between Gastrocnemius/soleus Muscle Length and Active Ankle Movement during Supine Kicking in Infants Born Preterm and Infants Born Fullterm”

July 27-29, 2007 International Conference for Society for Chaos Theory in Psychology & Life Sciences.

Orange, California

Chanin R, SefECKA A, **Grant-Beuttler M.**

Poster Presentation- “Normative Values Of The Pediatric Multidirectional Reach In Sitting And Standing In Children 3-8 Years Old” (Pediatric Section of the APTA)
February 1-5, 2006 Combined Sections Meeting of the American Physical Therapy Association
San Diego, California

Grant-Beuttler M, Wagner B, Miller D, Palisano R, Heriza C, Shewokis P, Roberge J, Karduna A.
Poster Presentation- “Ankle Movements During Supine Kicking In Relation To Gastrocnemius/Soleus Length In Infants Born Preterm” (Pediatric Section of the APTA)
February 1-5, 2006 Combined Sections Meeting of the American Physical Therapy Association
San Diego, California

Wagner B, **Grant-Beuttler M**, Borja M, O’Conner C, Strong M, Lemoncelli M, Kertesz M.
Poster Presentation- “Exercise and Nutrition School Program for Adolescence Classified As At Risk For Or Overweight” (Pediatric Section of the APTA)
February 1-5, 2006 Combined Sections Meeting of the American Physical Therapy Association
San Diego, California

Frankenbush SJ, Ross MM, Grant-Beuttler M.
Poster Presentation- “Muscle Extensibility and Toe-Walking in a Child with Asperger’s Syndrome” (Pediatric Section of APTA)
February 24-27, 2005 Combined Sections Meeting of the American Physical Therapy Association
New Orleans, Louisiana

Leininger P, **Grant-Beuttler M**, Angelucci M, Jengo A.
Poster Presentation- “Cross Training Effects Of High Intensity Unilateral Strengthening Of The Upper Extremity” (Orthopedic Section of the APTA)
February 24-27, 2005 Combined Sections Meeting of the American Physical Therapy Association
New Orleans, Louisiana

Darlington DM, Harmanos L, Tolerico S, Grant-Beuttler M, Day A.
Platform Presentation- “The Effects of a Plantarflexion-Assist Orthotic on the Gait Pattern of a Patient with Hemiplegia” (Neurologic Section of APTA)
February 4-8, 2004 Combined Sections Meeting of the American Physical Therapy Association Nashville, Tennessee

Long JR, Bede SL, Galanti E, Wagner BR, Grant-Beuttler M.
Poster presentation- “The Effects of Ballet Exercises and Stretches on Range of Motion, Strength, and Gait in a Child with Neurological Deficits” (Pediatric Section of APTA)
February 4-8, 2004 Combined Sections Meeting of the American Physical Therapy Association
Nashville, Tennessee

Grant-Beuttler M & Shewokis P.
Poster presentation “Muscle Extensibility in Infants Born Pre-term and Infants Born Fullterm” (Pediatric Section of APTA)
February 12-16, 2003 Combined Sections Meeting of the American Physical Therapy Association
Tampa, Florida

Perkowski BC, VanKleef KE, Fischer CA, Gaynor JD, Grant-Beuttler M, Wagner BW, Miller D.
Poster presentation- “Effects of an Intense Period of Exercise on an Adolescent with Cerebral Palsy” (Pediatric Section of APTA)
February 12-16, 2003 Combined Sections Meeting of the American Physical Therapy Association
Tampa, Florida

Grant-Beuttler M & Leininger PM.
Poster presentation- “Reliability of Using a Muscle Extensibility Measure in Newborn Full Term and Preterm Infants” (Pediatric Section of APTA)
February 20-24, 2002 Combined Sections Meeting of the American Physical Therapy Association
Boston, Massachusetts

Britton EH, Hall CT, Koch HA, Moncavage MB, Grant-Beuttler M.
Poster presentation- “Effects of Forced Use on the Upper Extremity Function in a Child with Cerebral Palsy: A Single Subject Design” (Pediatric Section of APTA)
February 20-24, 2002 Combined Sections Meeting of the American Physical Therapy Association

Grant-Beuttler M, Sparling JW, Ware WW, Chescheir N,
Poster presentation- “Motor Differences in Fetuses Subsequently Born Premature” (Pediatric Section of APTA)
February 15-18, 2001 Combined Sections Meeting of the American Physical Therapy Association
San Antonio, Texas

Semon LE, Shuman BL, Stehr EJM, Ward K, Grant-Beuttler, M.
Poster presentation- “The Effects of Backpack Weight on the Static Posture of Children.” (Pediatric Section of
APTA)
February 15-18, 2001 Combined Sections Meeting of the American Physical Therapy Association
San Antonio, Texas

Peer-Reviewed and Published Abstracts:

Santos J, Williams D, McCauley C, Grant-Beuttler M, Jonathan N. Assessing Functional Outcomes in Children with Disabilities through a Community Dance Program. [Abstract]. *Pediatr Phys Ther.* In press.

Gwerder M, Shiraishi M, Hoang C, Soangra R, Beuttler R, Aminian A, Grant-Beuttler M. Different Methods to Measure Ankle Range of Motion in Children with Idiopathic Toe Walking. [Abstract]. *Pediatr Phys Ther.* In press.

Grant-Beuttler M, Gwerder M, Hoang C, Shiraishi M, Beuttler R, Aminian A, Soangra R. Evaluation of Balance in Children Diagnosed with Idiopathic Toe Walking. [Abstract]. *Pediatr Phys Ther.* In press.

Hoang C, Shiraishi M, Beuttler R, Grant-Beuttler M, Aminian A, Soangra R. Limits of Stability in Children diagnosed with idiopathic toe walking. [Abstract]. <https://doi.org/10.1016/j.gaitpost.2020.07.098>

Shiraishi M, Hoang C, Grant-Beuttler M, Beuttler R, Aminian A, Soangra R. Kinetics and kinematic differences in idiopathic toe walking in children. [Abstract]. <https://doi.org/10.1016/j.gaitpost.2020.07.109>

Gwerder M, Shiraishi M, Hoang C, Soangra R, Beuttler R, Aminian A, Grant-Beuttler M. Relationship between different methods to measure ankle range of motion in children with idiopathic toe walking. [Abstract]. <https://doi.org/10.1016/j.gaitpost.2020.08.071>

Chu, V.W., Girolami, G.L., Soangra, R., Beuttler, R., Hollandsworth, C., Chheda, S., Grant-Beuttler, M. Children with idiopathic toe walking showed differences in areas of tactile and vestibular processing. [Abstract]. (Program No. 764.04). <https://www.abstractsonline.com/pp8/#!/7883/presentation/72765>

Soangra R, Beuttler R, Hollandsworth C, Chheda S, Aminian A, Grant-Beuttler M. Spatiotemporal Gait Characteristics in idiopathic toe walkers. [Abstract]. <https://ispgr.org/wp-content/uploads/2019/07/ISPGR-Abstract-Book.pdf>

Grant-Beuttler M, Gwerder M, Beuttler R, Hollandsworth C, Chheda S, Aminian A, Soangra R. Evaluation of balance in children with idiopathic toe walking. [Abstract]. <https://ispgr.org/wp-content/uploads/2019/07/ISPGR-Abstract-Book.pdf>

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Huibsch T, Nguyen M, Asher J, Weber C, Rubenstein E, Jonathan N, Grant-Beuttler M. Improving health outcomes for children with cerebral palsy and their families through an inter-professional community program. [Abstract]. <https://www.abstractstosubmit.com/wcpt2019/archive/#/view>

Grant-Beuttler M, Beuttler R, Kill K, Grossnickle K, Dulay R, McCauley C, Jennings J, Hay J. Sex differences in the relationships between self-efficacy and motor performance in young children. [Abstract]. <https://www.abstractstosubmit.com/wcpt2019/archive/#/view>

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Grant-Beuttler M, Beuttler R, Rakovski C, Glynn L. Gastrocnemius-Soleus Adaptation in Typical Children Under 7 Years Old and Children Who Toe-Walk. [Abstract]. *Pediatr Phys Ther*, 2016,28(1):E23.

Beuttler R, **Grant-Beuttler M**, Rakovski C, Allali M. Analysis of Joint Angles During Gait in Infants Born Preterm and Full Term. [Abstract]. *Pediatr Phys Ther*, 2016,28(1):E14.

Ehrlich N, Hackett K, **Grant-Beuttler M**, Swan C, Hatten K. Effects of Hippotherapy on Children with Cerebral Palsy: A Systematic Review. [Abstract]. *Pediatr Phys Ther*, 2014;26(1):119.

Sabovich S, Wong L, **Grant-Beuttler M**. Factors Affecting Balance in Normally Developing 5-Year-Olds. *Pediatr Phys Ther*, 2014;26(1):149.

Atienza D, Bennett N, Glynn L, **Grant-Beuttler M**. Reference data for normally developing 5-year-olds utilizing the balance master mCTSIB. [Abstract]. *Pediatr Phys Ther*. 2013;25(1):92.

Chen J, **Grant-Beuttler M**, Glynn L. The relationship of the gastrocnemius-soleus muscle tendon unit to postural control in 5-year-old children. [Abstract]. *Pediatr Phys Ther*, 2012;24(1):101-102.

Freeman JA, Guy AR, Rader AD, **Grant-Beuttler M**, Cipriani D. A comparison of functional outcomes using Toe-OFF dynamic ankle-foot orthoses in a healthy adult population: A pilot study *Journal of Orthopedic and Sports Physical Therapy*[Online]. 2012;42(1):OPO-1179.

Mercier R, **Grant-Beuttler M**, Oropeza M, von Ibsch D. Gastrocnemius-soleus muscle extensibility: Comparison across walking stages and neurological diagnoses in children. [Abstract]. *Pediatr Phys Ther*, 2012;24(1):113.

Menz S, Hatten K, **Grant-Beuttler M**. (2011) Effectiveness of a strength training intervention for a seven-year-old girl with gross motor delays consistent with developmental coordination disorder: A case study. [Abstract]. *Pediatr Phys Ther*, 23(1),125-6.

Fletcher A, Bridges M, Gutmann C, **Grant-Beuttler M**. (2010) Kinematic analysis of flexion-initiated versus extension-initiated kicks in infants born full term and preterm. [Abstract]. *Pediatr Phys Ther*, 22(1), 116.

Oropeza M, Wiggs C, Fakhury H, **Grant-Beuttler M**. (2009) Calf Muscle Extensibility in Normal Children Ages 0-7 years. [Abstract]. *Pediatr Phys Ther*,21(1),125.

Grant-Beuttler M, Reddien Wagner B, Miller DP, Palisano RJ, Heriza CB, Shewokis PA, Roberge J, Karduna A. (2006) Ankle Movements during Supine Kicking in Relation to Gastrocnemius/Soleus Length in Infants Born Preterm. [Abstract]. *Pediatr Phys Ther*, 18(1), 92.

Wagner BR, **Grant-Beuttler M**, Borja M, O'Connor C, Strong M, Lemoncelli M, Kertesz M. (2006). Exercise and Nutrition School Program for Adolescents Classified as at Risk or Overweight. [Abstract]. *Pediatr Phys Ther*, 18(1), 109-110.

Chanin R, Sefceka AB, **Grant-Beuttler M**. (2006) Normative Values of the Pediatric Multidirectional Reach in Sitting and Standing in Children 3-8 years old. [Abstract]. *Pediatr Phys Ther*, 18(1), 86.

Frankenbush SJ, Ross MM, **Grant-Beuttler M.** (2005) Muscle Extensibility and Toe-Walking in a Child with Asperger's Syndrome. [Abstract]. *Pediatr Phys Ther*, 17(1), 67-68.

Darlington DM, Harmanos L, Tolerico S, **Grant-Beuttler M**, Day A. (2004) The Effects of a Plantarflexion Assist Orthosis on the Gait of an Individual with Hemiplegia [Abstract]. *Journal of Neurological Physical Therapy*, 27(4), 185.

Long JR, Bede SL, Galanti E, Wagner BR, **Grant-Beuttler M.** (2004) The Effects of Ballet Exercise and Stretches on Range of Motion, Strength, and Gait in a Child with Neurological Deficits [Abstract]. *Pediatr Phys Ther*, 16(1), 59-60.

Grant-Beuttler M & Shewokis P. (2003). Muscle Extensibility in Infants Born Pre-term and Infants Born Full-term [Abstract]. *Pediatr Phys Ther*, 15(1), 57-58.

Perkowski BC, VanKleeef KE, Fischer CA, Gaynor JD, **Grant-Beuttler M**, Wagner BW, Miller D. (2003). Effects of an Intense Period of Exercise on an Adolescent with Cerebral Palsy [Abstract]. *Pediatr Phys Ther*, 15(1), 60-61.

Grant-Beuttler M & LeiningNeer PM. (2001). Reliability of using a muscle extensibility measure in newborn full term and preterm infants [Abstract]. *Pediatr Phys Ther*, 13(4), 196-197.

Britton EH, Hall CT, Koch HA, Moncavage MB, **Grant-Beuttler M.** (2001) The effects of forced use on the upper extremity function in a child with cerebral palsy: A single subject design [Abstract]. *Pediatr Phys Ther*, 13(4), 192.

Grant-Beuttler M, Sparling JW, Ware WW, Chescheir N. (2000). Motor differences in fetuses subsequently born premature [Abstract]. *Pediatr Phys Ther*, 12(4), 213-214.

Semon LE, Shuman BL, Stehr EJM, Ward K, **Grant-Beuttler M.** (2000). The effects of backpack weight on the static posture of children [Abstract]. *Pediatr Phys Ther*, 12(4), 225.

Invited (Non-Peer Reviewed) Presentations:

Grant-Beuttler M, Wagner B, Borja M.

Presentation- "Exercise and Nutrition Program For Adolescents Classified As At Risk For Or With Obesity"

November 3, 2005 The Northeast Regional Childhood Wellness Team, Beyond Policy: Creating A Healthy Classroom, Wilkes-Barre, Pennsylvania

Borja M, Wagner B, **Grant-Beuttler M.**

Presentation- "Childhood Obesity- Collaborative Research Methodology and Intervention Project"

April 30, 2005 Health Science Research in Northeastern Pennsylvania 2005, Scranton, Pennsylvania

Grant-Beuttler M, Strong C, Wagner B.

Presentation- "Exercise and Nutrition Program for Adolescents Classified at Risk or with Obesity"

April 15-16, 2005 The Role of Physical Therapist in Children's Fitness Program, Pennsylvania Physical Therapy Association's Pediatric Interest Group, Harrisburg, Pennsylvania

Grant-Beuttler M.

Presentation- "Theoretical Underpinnings of Motor Development"

September 20-21, 2002 disAbility: Enhancing Expectations, Empowering Opportunities, and Promoting Best Practices for School-Age Students K-12, University of Scranton, Scranton, Pennsylvania

Grant-Beuttler M.

Presentation- "The Relationship Between Fetal and Newborn Movement of Children Born Full Term and Children Born Preterm"

April 20-22, 1996 Where It All Begins- The Fetal and Neonatal Transition: Implications for Practice,

Funded/In Review Grant Activity:

Grant Beuttler M (Lead PI), Soangra R (PI). CHOC Project #2: Machine Learning. CHOC Foundation. \$13,794.00 Funded.

Grant-Beuttler M, Soangra R. Comparing Typical Gait and Balance to Children with Idiopathic Toe Walking. Faculty COVID-19 Impact Fund. \$4,992.00 Funded.

Duff S (Co-PI), Moreau N (Co-PI), Friel K (Co-PI), Moulton T (Co-Investigator), Stevenson R (Co-Investigator), **Grant-Beuttler M (Co-Investigator)**, and Dayanidhi S (Co-Investigator). An Individualized Multimodal Intervention for Bone and Muscle Health in Pre-Adolescents with Cerebral Palsy: Promoting Healthy Transitions into Adulthood. Academy of Pediatric Physical Therapy Planning Grant, APTA. January 1, 2020. (\$24,763.00).

Grant-Beuttler M, Soangra R (Co-PI). Grant Writer's Boot Camp: A Smart Shoe Intervention in the Natural Environment for Toe Walking, September 2019. Chapman University. (\$5,000.00).

Grant-Beuttler M, Soangra R (Co-PI). Longitudinal Assessment of Atypical TPP1 Enzyme Deficiency Patients, August 2019. Children's Hospital of Orange County. (\$22,500.00).

Aminian A, **Grant-Beuttler M (Co-PI)**. Transformational Philanthropic Venture Funding Program, July 2017. Advanced Pediatric Movement Center. (\$1M total for all projects).

Grant-Beuttler M (Co-PI), Rahul Soangra (Co-PI). Kay Family Foundation Data Analytics Grant Program, July 2017. Non-intrusive Multi-Day Assessment and Intervention for Idiopathic Toe Walkers in their Natural Environments. (\$133,000).

Chu V (PI), Girolami G (consultant), Grant-Beuttler M (consultant). Virginian Commonwealth University Presidential Research Quest Fund, June 2017. Characterization of Sensory Function Associated with Idiopathic Toe Walking in Children. (Subaward: \$5,000).

Grant-Beuttler M (co-PI), Jonathan N (co-PI). Crean College Interdisciplinary Research Grant, April, 2017. Improving Health Outcomes for Children with Cerebral Palsy and their Families through an Inter-professional Community Program. (\$10,000).

Grant-Beuttler M. e-Leave: Faculty Entrepreneurial Leave of Absence. Chapman University, Leatherly Center for Entrepreneurship, Spring 2015. Development of the Kinect System for Gait Analysis in Physical Therapy. (a semester off to work on development of the business plan for this device.)

Grant-Beuttler M. Progression of Microsoft's Kinect and Computer Analysis of Motor Development. Faculty Research and Development Grant, Chapman University, May 2013 (\$600.00)

Jennings J & Johnson C. (**Grant-Beuttler M, faculty sponsor**). Comparison of perceived adequacy in and predilection for physical activity with motor ability in children. Faculty-Sponsored Student Scholarly/Creative Research Grant. Chapman University. June 2011 (\$750.00)

Churchill J, Howland M, Roberts J (**Grant-Beuttler M, faculty sponsor**). Functional comparison of Low-Risk Preterm and Full-Term Children from Birth to Adolescents. Faculty-Sponsored Student Scholarly/Creative Research Grant. Chapman University. November 2009 (\$750.00)

Grant-Beuttler M. Sponsored Research Grant. Office of Sponsored Research, Chapman University. Release from teaching one class to write a NIH grant for collaborated work with the Child Development Research Group at University of California, Irvine. Chapman University. November 2008 (\$5,000.00).

Borja MA (principle investigator), **Grant-Beuttler M** (co-investigator), Wagner B (co-investigator). Nutrition and Exercise Intervention in Overweight/Obese Students: A Research, Clinical, and Service Project. U.S. Department of Agriculture. August 2005 (\$24,000.00).

Hakim RM (principle investigator), **Grant-Beuttler M** (co-investigator), Leininger P (co-investigator), Collins T (co-investigator). A Modified Constraint-Induced Movement Therapy (mCIT) Program for the Upper Extremity of Individuals with Chronic Stroke. Edward R. Leahy Jr Center Research Award. March 2004 (\$10,000.00).

Borja MA (co-principle investigator) & **Grant-Beuttler M** (co-principle investigator), Wagner BR (co-investigator). Intervention in Overweight/Obese Middle School Students: A Research, Clinical, and Service Project. Collaborative Education Grant with Marywood University. July 2004 (\$9,995.00).

Grant-Beuttler M (principle investigator). The Relationship Between Muscle Extensibility and Newborn Kicking in Infants Born Preterm. Edward R. Leahy, Jr. Center Research Award. June 2002. (\$11,175.00).

Grant-Beuttler M (principle investigator). The Relationship Between Muscle Extensibility and Newborn Kicking in Infants Born Preterm. University of Scranton Internal Faculty Research Grant. November 2002 (\$1,500.00).

Professional Organizations:

American Physical Therapy Association Member #54753
-Member of Neurology Section, Pediatrics Section, and Women's Health Section
-Pediatric Sports and Neonatal Intensive Care Unit Special Interest Groups

California Physical Therapy Association
-1987 to 1993, 2006 to present

New York Physical Therapy Association
-1993 to 1994

North Carolina Physical Therapy Association
-1994 to 1998

Pennsylvania Physical Therapy Association
-1998 to 2006

Consultative and Advisory Positions Held:

Children's Ventilator Services Standards Development and Implementation Project
Pennsylvania Department of Public Welfare
February 2001- May 2002

Community Services:

Orange County Boys & Girls Club January to April 2015
Ran an obesity activity program with students

Pediatric Physical Therapy Clinician Evidence-Based Practice Group April 2012-present
Leader of a group of clinicians dedicated to reviewing relevant research

Sunday School Volunteer, Mariners Church June 2008 to June 2010
1 and 2-year-old class, every other Sunday (June 2008 to October 2008),
every Sunday (November 2008 to June 2010)

Fristers (Teen Mothers Support Group) April 2008 to November 2008

Volunteer from 6 to 8pm every week

Guest lecturer, Harbor View Elementary School Second grade class “The Body”	November 15 th and 19 th , 2006
Tuesday Packet Co-coordinator, Harbor View Elementary School	August 2006 to May 2010
Room Mother, Harbor View Elementary School Ms. Godbey’s 2 nd grade	August 2006 to June 2007
Coordinator of Obesity Exercise Program	September to December 2005
North Pocono Middle School	September to November 2004
Chester Street Elementary School Science and Art Day	April 22, 2004
Costume Committee Ballet Theatre of Scranton Nutcracker Performance	December 2002, 2003
Pocono Pirates Hockey -Bake sale coordinator for home tournaments (coordinate parents volunteer hours from all teams, etc)	2001-2002 season
Dry Land Training Coordinator/Leader -IceBox Youth Ice Hockey Camp for both older and younger age groups	June 25-29, 2001
-Bonvie Youth Ice Hockey Camp for both older and younger age groups	August 20-24, 2001
Pocono Pirates Hockey -Mite team Statistician and Public Relations coordinator	October 2000 to March 2000
Scranton Jewish Community Center -Early Childhood Services Committee	July 2000 to August 2002
Therapy in Natural Environment (TINE) -research mentor for NE PA	July 2000 to May 2006
Faculty Advisor for Pediatric Exercise Group	September 1998 to May 2006

Services to The University/College/School on Committees/Councils/Commissions:

Chapman University-

Long Range Planning Committee	Fall 2019 to present Chair 2020-2021
Graduate Academic Council	Fall 2017 to Spring 2019
Crean College Strategic Planning Task Force	Fall 2014 to Spring 2015
Schmid College Senator	September 2012 to June 2013

Gonfalon (Coat of Arms) Committee Chair of Committee	August 2008 to February 2009
Assessment Committee (Wilkinson/Schmidt College Representative)	August 2007 to June 2010
University of Scranton- Chapman University Internal Review Board	August 2019 to present
Graduate Academic Council	August 2017 to July 2019
Faculty Senate	August 2005 to May 2006
CPS Dean's Conference	September 2004 to May 2006
Faculty Practice Planning Collaboration Group	November 2001 to May 2006
Faculty Practice Committee Planning Group	September 2001 to May 2006
Committee on Curriculum	April 2001 to May 2006
Grade Inflation Committee	August 2000 to May 2006
Diversity Conference Committee	July 2000 to November 2000
President's Breakfast -server	May 15, 2000
Take Our Daughters To Work Day	April 27, 2000
<i>Physical Therapy Department-</i> Department Research Group Coordinator (University of Scranton)	October 2001 to May 2006
Physical Therapy Department Review Board (University of Scranton)	August 1999 to May 2006
Movement Analysis Equipment/Laboratory (University of Scranton) -leadperson	December 1999 to May 2006
Honor Projects- 1998 (Reader) A Comprehensive Study of Gait 2001 (Reader) Hippotherapy with Adults 2003 (Advisor) The Application of IDEA on Physical Therapy in the School System 2004 (Reader) Hippotherapy and Physical Therapy	
Additional teaching not on teaching load-	
PT 640 Neurological Practice Management -teach PNF module	Fall 2007, 2008
PT 510L Functional Human Anatomy Lab Assistant	Fall 2006, 2007
PT 555 Correlative Rehabilitation -two week module on orthotics (6 hours of lecture/ 4 hours of lab)	taught Fall of 1998, 1999, 2000, 2001
PT 552 Women's Health Module -two hour lecture on physical therapy intervention during the childbearing year	taught Fall 1999, 2000, 2001, 2003

PT 493 Introduction to Research -two classes on qualitative research	taught Spring 2000, 2001, 2002, 2003, 2004, 2005
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PT 350 Introduction to Therapeutic Exercise -one hour lecture on exercise with the pregnant client	taught Fall 2000
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Chapman University-

Faculty Senate	August 2012 to present
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Gonfalon (Coat of Arms) Committee Chair of Committee	August 2008 to February 2009
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Assessment Committee (Wilkinson/Schmidt College Representative)	August 2007 to June 2010
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<i>University of Scranton-</i> Faculty Senate	August 2005 to May 2006
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Motion Analysis Lab Equipment Lead Person	January 2000 to May 2006
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Research Coordinator	August 2003 to May 2006
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CPS Dean's Conference	September 2004 to May 2006
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Faculty Practice Planning Collaboration Group	November 2001 to May 2006
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Faculty Practice Committee Planning Group	September 2001 to May 2006
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Committee on Curriculum	April 2001 to May 2006
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Grade Inflation Committee	August 2000 to May 2006
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Diversity Conference Committee	July 2000 to November 2000
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President's Breakfast -server	May 15, 2000
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Take Our Daughters To Work Day	April 27, 2000
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Professional Service-

Physical & Occupational Therapy in Pediatrics	2014 to present
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Pediatric Section Research Committee Member American Physical Therapy Association	2011-2017, 2018-present
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Pediatric Section Program Committee Member Combined Sections Meeting of the American Physical Therapy Association	2009, 2010, 2011, 2012
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Lecturer at College Misericordia Pediatric lecture on Prematurity	October 16, 2001; October 22, 2002; October 19, 2003; October 19, 2004; November 3, 2005
Pediatric lecture on Cerebral Palsy	October 23, 2001; October 29, 2002; October 23, 2003

Manuscript Reviewer for:

Journal of Perinatology	2018 to present
Physical Therapy	2014 to present
Early Human Development	2013 to present
Pediatric Physical Therapy	2012 to present
Physical & Occupational Therapy in Pediatrics	2009 to present
Physiotherapy Theory and Practice	2001 to present
Alcoholism: Clinical and Experimental Research	2014 to present
Osteoporosis Hotline – CSM , San Antonio, Texas -phone representative	February 17, 2001

Continuing Education:

September 17, 2020	Virtual Meeting of the European Society for Movement Analysis in Adults and Children (ESMAC).
August 2-3, 2019	29 th Annual Conference of the Society for Chaos Theory in Psychology and Life Sciences. Orange, California.
June 30-July 4, 2019	International Society of Posture & Gait
May 20-21, 2019	Spring 2019 National Science Foundation Grants Conference, Los Angeles, CA
May 10-13, 2019	World Confederation for Physical Therapy Congress 2019. Geneva, Switzerland
January 23-26, 2019	Combined Sections Meeting, American Physical Therapy Association. Washington, DC
April 7, 2018	Optimizing Movement Skill: Optimal Theory Applications for Clinicians, Athletes, and Performers. USC, Los Angeles, CA.
February 21-24, 2018	Combined Sections Meeting, American Physical Therapy Association. New Orleans, Louisiana.
August 10-13, 2017	Conference on Nonlinear Dynamics. Cincinnati, Ohio
February 15-18, 2017	Combined Sections Meeting, American Physical Therapy Association, San Antonio, Texas.
July 14-19, 2016	IV STEP 2016: Prevention, Prediction, Plasticity, and Participation. The Ohio State University, Columbus, Ohio.
February 17-20, 2016	Combined Sections Meeting of the American Physical Therapy Association. Anaheim, CA
August 8-9, 2015	Movement System Impairment Syndromes of the Lumbar Spine and Hip: Interaction and

	Evidence. Laguna Hills, CA.
February 22, 2015	Pediatric Yoga For Children & Adolescents with Physical, Behavioral, and Developmental Challenges. Fullerton, CA
January 28-31, 2015	Nonlinear Datapalooza: A New Kind of Conference for a New Kind of Science (peer-reviewed invited attendance) Orange, CA
August 24-26, 2014	Universal Exercise Unit Training Pontiac, Michigan
February 3-6, 2014	Combined Sections Meeting of the American Physical Therapy Association. Las Vegas, NV
January 21-24, 2013	Combined Sections Meeting of the American Physical Therapy Association San Diego, California
February 9-11, 2012	Combined Sections Meeting of the American Physical Therapy Association Chicago, Illinois
February 8, 2012	The Child's Developing Brain: Emerging Neuroscience and Its Therapeutic Implications Presented by: Mary Ann Sharkey, PT, PhD, MS
February 9-12, 2011	Combined Sections Meeting of the American Physical Therapy Association New Orleans, Louisiana
January 19, 2010	National Science Foundation Day, University of San Diego, CA
November 5, 2010	Teaching Collaboration II, Chapman University
September 20, 2010	Teaching Collaboration I, Chapman University
February 17-20, 2010	Combined Sections Meeting of the American Physical Therapy Association San Diego, California
February 9-12, 2009	Combined Sections Meeting of the American Physical Therapy Association Las Vegas, Nevada
June 10-14, 2008	American Physical Therapy Association Annual Conference San Antonio, TX
February 13-18, 2007	American Physical Therapy Association Combined Sections Meeting Boston, MA
February 1-5, 2006	American Physical Therapy Association Combined Sections Meeting San Diego, CA
May 27, 2004	Developing a Scholarly Agenda Presented by: Elizabeth Domholdt, PT, EdD Professor and Dean of the Krannert School of Physical Therapy
May 12, 2004	Safe Transport for Children with Special Needs (On-line training course) Presented by: Connecticut Children's Medical Center

April 23, 2004	Evidence Based Physical Therapy Practice: What PT's Need to Know. Presented by: Expert Clinical Benchmarks
February 27, 2004	Valuing Teaching as Scholarly Work Taught by: Maryellen Weimer, PhD Associate Professor of Teaching and Learning Berks Lehigh Valley College, Penn State
February 4-8, 2004	American Physical Therapy Association Combined Sections Meeting Nashville, Tennessee
May 20, 2003	Scientific Writing for Peer-reviewed Publication, University of Scranton Taught by: Jules M. Rothstein, PhD, PT, FAPTA Editor, Physical Therapy Professor, Physical Therapy, University of Illinois at Chicago
February 12-16, 2003	American Physical Therapy Association Combined Sections Meeting Tampa, Florida
November 21, 2002	Making Your Syllabus Work for You Taught by: Rev. Albert M. Liberatore, STD
September 20-21, 2002	First Annual Conference on disAbilities University of Scranton
May 21-22, 2002	Introduction to Survey Research Taught by: Alice J. Hausman, PhD, MPH
May 10, 2002	Community-Based Participatory Research: A Scholarship Channel for Service Learning Presented by: The Center for Healthy Communities' Pennsylvania Regional Faculty
May 6 th and 8 th , 2002	The Use of Qualitative Research Methods Taught by: Katherine F. Shepard, PhD, PT, FAPTA
February 20-24, 2002	American Physical Therapy Association Combined Sections Meeting Boston, Massachusetts
November 15, 2001	Using Multiple Choice Question Format Taught by: Dr. Joseph Fusaro
November 8, 2001	Understanding Student Evaluations Office of Instructional Technology
May 21- 24, 2001	Teaching Well With Technology Taught by: ATC department at the University of Scranton
February 15-18, 2001	American Physical Therapy Association Combined Sections Meeting, San Antonio, Texas

Teaching Responsibilities in the Entry-level Doctor of Physical Therapy Program:

PT 643- Motor Control/Motor Learning (2 credits)
PT 643L- Motor Control/Motor Learning Lab (1 credit)
PT 647- Pediatric Practice Management (1.5 credits)

PT 647L- Pediatric Practice Management Lab (1.5 credits)
PT 650b- Scientific Inquiry Ib (.5 credit)
PT 651- Scientific Inquiry II (Statistics) (3 credits)
PT 752- Scientific Inquiry IIIa (.5 credit)
PT 753- Scientific Inquiry IIIb (.5 credit)