

Sandra L Hubbard Winkler, PhD, OTR/L, ATP

Curriculum Vitae

CONTACT INFORMATION

Rehabilitation Outcomes Research Center Research Enhancement Award Program

North Florida/South Georgia Veterans Health System

1601 SW Archer Road (151B)

Gainesville, FL 32608-1197

352-376-1611, ext 4928 phone

352-271-4540 fax

Sandra.Hubbard1@va.gov

shubbard@phhp.ufl.edu

PLACE OF BIRTH: Washington DC

CITIZENSHIP: United States

EDUCATION AND TRAINING

PhD, Health and Rehabilitation Science, Rehabilitation Science and Technology, 2004, University of Pittsburgh

MA, Special Education, 1990, New Mexico Highlands University

BS, Occupational Therapy, 1974, University of Puget Sound

1/1975- 3/1975	Stanford University Hospital Palo Alto, CA	Clinical Training in Physical Dysfunction Occupational Therapy
-------------------	---	---

4/1975- 6/1975	Emory John Brady Hospital Colorado Springs, CO	Clinical Training in Psychosocial Dysfunction Occupational Therapy
-------------------	---	---

Research Training

2005	ERRIS 3rd Annual Intensive Workshop on Grant Writing, Preparation, and Submission in Rehabilitation Research, Charlottesville, VA
------	---

2004-2005	NIDRR Advanced Rehabilitation Research Training Post-Doctoral Fellowship Award
-----------	--

2003-2004	VA Pre-Doctoral Associated Health Rehabilitation Research Fellowship Award
-----------	--

2003	University of Pittsburgh Provost Development Fund Pre-Doctoral Fellowship Award
------	---

HONORS AND AWARDS

APPOINTMENTS AND POSITIONS

Academic

2005-present	Assistant Professor	Occupational Therapy Department University of Florida
2005-present	Research Health Scientist Veterans Administration	Rehabilitations Research Outcomes Research Enhancement Award Program North Florida/South Georgia Veteran Health System Gainesville, Florida
2004-2005	Post-Doctoral Fellow NIDRR Advanced Rehabilitation Research Training	Occupational Therapy Department University of Florida
2003-2004	Pre-Doctoral Fellow Veterans Administration	Human Engineering Research Laboratory Pittsburgh Highland VA University of Pittsburgh
2002-2003	Research Associate	Human Engineering Research Laboratory Pittsburgh Highland VA University of Pittsburgh
2002	Teaching Assistant	Rehabilitation Science Technology University of Pittsburgh
2001-2002	Research Associate	RERC on Wheeled Mobility University of Pittsburgh
1997-2001	Assistant Professor	Occupational Therapy Department University of Texas Health Science Center at San Antonio

Clinical

2007- Present	Occupational Therapist	Gentiva Home Health Agency North Florida
1986-1997	Occupational Therapist Evaluation Specialist Coordinator	Preschool and Infant Evaluation Team University Affiliated Program (UAP) University of New Mexico
1995-1997	Occupational Therapist Developmental Disabilities	Pathways, Inc. Santa Fe, New Mexico
1994-1995	Occupational Therapist	La Vida Felicidad

	Birth to Three	Los Lunas, New Mexico
1992-1995	Occupational Therapist Evaluation, Consultation	Albuquerque Public Schools Albuquerque, New Mexico
1991-1992	Occupational Therapist II Rehabilitation	St. Joseph's Rehabilitation Hospital Albuquerque, New Mexico
1990-1991	Occupational Therapist Evaluation, Treatment	Inyo County Department of Special Education Big Pine, California
1988-1989	Occupational Therapist Evaluation, Consultation	East Las Vegas Schools Las Vegas, New Mexico
1986-1988	Occupational Therapist II Rural Outreach	Northern New Mexico Rehabilitation Center Las Vegas, New Mexico
1985-1986	Occupational Therapist I Rehabilitation	Washoe Medical Rehabilitation & Trauma Center Reno, Nevada
1978-1980	Occupational Therapist Consultant, Geriatric	Inyo County Sanitariums Big Pine & Lone Pine, California
1975-1977	Occupational Therapist Pediatrics, Cerebral Palsy	California Hawaii Elks Major Project Inyo and Mono Counties, California

Volunteer

1991	Occupational Therapist Hippotherapy, Counselor	AVANTI Sensory Integration Summer Camp Hudson, Wisconsin
1990	Occupational Therapist Seating	Tijuana, Mexico

CERTIFICATION AND LICENSURE

Certifying Board	Year
Rehabilitation Engineering Society of North America (ATP)	2003
North American Riding for the Handicapped Association (Registered Instructor)	1996
Nursing Child Assessment Satellite Training (NCAST) WA	1995
American Hippotherapy Association (Registered)	1995
Sensory Integration and Praxis Test (SIPT) CA #6349	1993
National Board for Certification in Occupational Therapy MD #AA250852	1975

Occupational Therapy Licensing Board/State

Florida	#11947	6/05-2007
Pennsylvania	# OC008032	8/01-6/05
Texas	#108076	9/97-12/01
New Mexico	#199	8/87-9/97

PROFESSIONAL AFFILIATIONS

American Congress of Rehabilitation Medicine	2007
Rehabilitation Engineering Society of North America (RESNA)	2003
Pennsylvania Occupational Therapy Association	2003
American Academy for Cerebral Palsy and Developmental Medicine	1998
American Occupational Therapy Association	1975

PUBLICATIONS

Refereed Journals

1. Hubbard, SL, Fitzgerald, SG, Boninger, ML, Cooper, RA. Relationship between quality of wheelchair and quality of life. *Topics in Geriatric Rehabilitation*. 24 (3): 264-278, 2008.
2. Kahle, JT, Highsmith, MJ, Hubbard, SL. Comparison of microprocessor and non- microprocessor controlled prosthetic knee joints. *Journal of Rehabilitation Research and Development*. 45 (1): 1-13, 2008.
3. Hubbard, SL, Stutz-Tannenbaum, P, Beck, A. & Battaglia, C. Reliability and validity of the Occupational Therapy Attribute Scale (OTAS). *Journal of Allied Health*, 36 (4): 193-200, December, 2007.
4. Ambrosio, F, Boninger, ML, Fitzgerald, SG, Hubbard, SL, Schwid, S, Cooper, RA. A comparison of mobility device delivery within the Veterans Administration for individuals with multiple sclerosis and individuals with a spinal cord injury. *Journal of Rehabilitation Research and Development*. 44 (5): 693-702, Sept-Oct, 2007.
5. Hubbard, SL, Fitzgerald, SG, Reker, DM, Cooper, RA, & Boninger, ML. Distribution and cost of wheeled mobility devices provided by the Veterans Health Administration. *Journal of Rehabilitation Research and Development*, 44 (4): 581-592, July-Aug, 2007.
6. Hubbard, SL, Fitzgerald, SG, Vogel, B, Reker, DM, Boninger, ML, & Cooper, RA. Demographic characteristics of veterans receiving wheelchairs and scooters from the Veterans Health

Administration. *Journal of Rehabilitation Research and Development*, 43 (7), 831-844, Nov-Dec, 2006.

7. Hubbard SL. Demographic Characteristics of Veterans Receiving Wheelchairs and Scooters from the Veterans Health Administration. *Archives of Physical Medicine and Rehabilitation*, 86 (10): pge6, 2005.
8. Hubbard, SL. Professional organizations: who should join? *American Journal of Occupational Therapy*. 59 (1): 113-116, 2005.
9. Hubbard, S. Disabilities studies and healthcare curriculum: the great divide. *Journal of Allied Health*. 33 (3): 184-188, 2004.
10. Ding, D, Cooper, RA, Kaminski, BA, Kanaly, JR, Allegretti, A, Chaves, E, Hubbard, SL. Integrated controls and related technology of assistive devices. *Assistive Technology*. 15 (2): 89-97, 2003.

Journal Articles in Review or Preparation for Submission

1. Giacobbi, PR, Levy, C, Dietrich, F, Hubbard Winkler, SL, Tillman, M, Chow, J. Wheelchair users' perceptions and experiences with power assist technology. *American Journal of Physical Medicine & Rehabilitation*, In Review.
2. Hubbard Winkler, SL, Cowper-Ripley, DC, Hoenig, H, Wu, S, Vogel, B, Fitzgerald, SG, Mann, WC, Reker, DM. Demographic and clinical variation in Veteran Health Administration assistive technology device provision to veterans post-stroke. *Journal of Rehabilitation Research and Development*. In Review.
3. McFarland, L, Hubbard Winkler, SL, Jones, M, Esquenazi, A, Heineman, A. Unilateral upper limb prosthetic use, satisfaction and abandonment in service members from Vietnam and OIF/OEF conflicts with major traumatic amputations. *Journal of Rehabilitation Research and Development*. In Review.
4. Hubbard Winkler, SL, Vogel, B, Hoenig, H, Cowper-Ripley, DC, Wu, S, Fitzgerald, SG, Mann, WC, Reker, DM. Cost, utilization, and policy of provision of assistive technology devices to veterans post-stroke by the VA and Medicare. *Medical Care*. In Review.

Book Chapters

1. Hubbard Winkler, SL. Upper limb amputation and prosthetics, epidemiology, evidence, and outcomes. (2008, In Press). In P. Pasquina and RA Cooper (Eds.), *Rehabilitation of Combat Casualties with Limb Loss*, Washington DC: Borden Institute.
2. Hubbard, SL. (2007). A chronological and historical review of research related to Hippotherapy. In B. Engel (Ed.), *Occupational Therapy: Enhancing human occupation through Hippotherapy*. Rockville, MD: AOTA Press.
3. Hubbard, SL., Carr-Heyn, D. L. (2007). Inhibition of Tonic Bite: A Case Study. In B. Engel (Ed.), *Occupational Therapy: Enhancing human occupation through Hippotherapy*. Rockville, MD: AOTA Press.

4. Hubbard, S. (1997). Sensory integration as a frame of reference for the practice of hippotherapy with a pediatric clientele. In B. Engel (Ed.), *Therapeutic Riding I: Strategies for Instruction*. Durango, CO: Barbara Engel Therapy Services.

Published Theses

Hubbard, SL. (2004). Effectiveness of the VA system at providing wheeled mobility devices. University of Pittsburgh.

Unpublished Theses

Hubbard, SL. (1990). Hypotonia: Its relationship to respiratory problems. New Mexico Highlands University.

Refereed Abstracts/Presentations

Hubbard, SL, Reker, DM, Mann, WC, Hoenig, H, Cowper-Ripley, D, Vogel, WB, Wu, S, Fitzgerald, SG . Discharge disposition as a factor in provision of assistive technology to veterans post-stroke. International Conference on Aging, Disability, and Independence, St. Petersburg, FL, February, 2008.

Hubbard, SL, Giacobbi, P, Dietrich, FD, Fournier, KA, Stancil, MA, Chow, JW, Tillman, MD, Burman, M, Levy, CE. Clinical considerations for prescription of pushrim-activated power-assist wheelchairs. International Conference on Aging, Disability, and Independence. St. Petersburg, FL, February, 2008

Tillman, MD, Chow, JW, Fournier, KA, Vallabhajosula, S, Giacobbi, P, Dietrich, FD, Hubbard, S, & Levy, CE. Changes in wheeling kinematics after 8 weeks of pushrim-activated power-assisted wheelchair use. Poster presented at the 2008 North American Congress on Biomechanics Meeting. Ann Arbor, MI, 2008.

Hubbard, SL, Reker, DM, Hoenig, H, Cowper, D, Vogel, WB, Fitzgerald, SG, Wu, S, Mann, W. The provision of mobility-related devices to veterans post-stroke. American Congress of Rehabilitation Medicine and American Society of Neuro-Rehabilitation Annual Conference, Washington, DC, October, 2007.

Hubbard, SL, Chow, JW, Tillman, MD, Giacobbi, P, Stancil, MA, Fournier, KA, Burman, M, Dietrick, FD, Levy, CE. Characterizing successful pushrim-activated power-assist wheelchair (PAPAW) users. American Congress of Rehabilitation Medicine and American Society of Neuro-Rehabilitation Annual Conference, Washington, DC, October, 2007.

Chow, JW, Tillman, MD, Fournier, KA, Vallabhajosula, S, Giacobbi, P, Dietrich, FD, Hubbard, SL, Levy, CE. Longitudinal Stroke Cycle Characteristics of Pushrim-Activated Power-Assisted Wheelchair Propulsion. XXIIth Congress of International Society of Biomechanics (ISB). Taipei, China, July 2007.

Hubbard, SL, Chuck E Levy, Pete Giacobbi, John Chow, Michael A Stancil, Kim Fournier, Matt Burman, Rick Dietrick, Mark Tillman. Using qualitative methods to characterize power-assist wheelchair users. International Seating Symposium. Orlando, FL, March 2007.

- Levy, CE., Giacobbi, PR., Chow, J., Tillman, M., Hubbard, SL. The impact of power assist wheels on QoL: An interim report. International Seating Symposium. Orlando, FL, March 2007.
- Hubbard, SL. Occupational Therapy Attribute Scale (OTAS): Developing Professional Behaviors in Academic Education. AOTA Annual Conference. Charlotte, NC, April 2006.
- Hubbard, SL. Need for guidelines for provision of wheeled mobility devices. International Conference on Aging, Disability, and Independence. St. Petersburg, FL, February, 2006.
- Hubbard, SL. Health related quality of life and quality of wheelchair. International Conference on Aging, Disability, and Independence. St. Petersburg, FL, February, 2006.
- Hubbard, S. Demographic Characteristics of Veterans Receiving Wheelchairs and Scooters from the Veterans Health Administration. American Congress of Rehabilitation Medicine. Chicago, IL, October, 2006. Archives of Physical Medicine and Rehabilitation 86(10): pg e6, 2005.
- Hubbard, SL, Fitzgerald, SG, Reker, DM, Boninger, ML, & Cooper, RA. Characterization of veterans prescribed wheelchairs and scooters by the VHA. HSR&D 2005 National Meeting: Improving Care for Veterans with Chronic Illnesses, February 2005.
- Reker, DM, Fitzgerald, SG, Hubbard, SL, Hoenig, H, Cowper, D, Marshall, C, Mann, W. Veterans Health Administration National Prosthetics Patient Database (NPPD): Mobility Related Items and Data Validity. Veterans Health Administration QUERI National Meeting 2004: Lessons Learned on the Road to Sustainability, Washington DC, December, 2004.
- Reker, DM, Fitzgerald, SG, Hubbard, SL, Hoenig, H, Marquez, J, Cowper, D, Marshall, C, Mann, W. Veterans Health Administration National Prosthetics Patient Database: Preliminary Studies of Validity. American Congress of Rehabilitation Medicine and American Society of Neuro-Rehabilitation Annual Conference, Ponte Verde Beach, FL, September, 2004.
- Hubbard, SL, Fitzgerald, SG, Reker, DM, Kazis, LE & Downs, F. (2004). Relationship between health related quality of life and quality of wheelchair provided to veterans. RESNA 26th International Conference, Orlando, FL, June, 2004.
- Hubbard, SL & Spaeth, DM. Rate, accuracy and efficiency of text entry as a function of different computer access methods [CD Rom]. Proceedings of the RESNA 25th International Conference, Atlanta, GA, June, 2003.
- Hubbard, SL Tele-Rehabilitation: Physician-therapist collaboration. Texas Distant Learning Conference, San Antonio, TX, 2000.
- Hubbard, SL UTHSCSA OT Dept. - Community assistive technology collaboration. Mt. Central OT Conference, Corpus Christi, TX, 2000.
- Hubbard, SL Emotional development birth to three. Texas Fiesta Educativa, San Antonio, TX, 2000.
- Hubbard, SL Linking technology to occupational therapy clinical education. Area Health Education Center National Conference, Louisville, KY, 1999.
- Hubbard, SL Strategies for level II fieldwork supervisors. Mt. Central OT Conference, Galveston, TX, 1999.

Hubbard, SL Hippotherapy: Use of the horse in occupational therapy. Mt. Central OT Conference, Galveston, TX, 1997.

Other Professional Papers

Hubbard, S. (2000). Pros and cons of remote supervision. *OT Practice*, 5 (24).

Hubbard, SL. (1998). Training fieldwork supervisors. *OT Practice*, 3 (11), 39-40.

Media Developed

University of Pittsburgh

Web Pages

<http://www.herlpitt.org/indiachair/indiachairsh/index.html> (manual wheelchair construction)

<http://www.wheelchairnet.org> (maintained website as part of research associate position)

University of Texas Health Science Center at San Antonio

Web Pages

<http://www.uthscsa.edu/sah/Hubbard/assistech.htm> (student project, assistive technology)

<http://www.uthscsa.edu/sah/mtv.html> (health careers)

<http://www.uthscsa.edu/sah/ot.html> (OT Home page)

<http://www.cdlth.uthscsa.edu/Projects/OccupationalTherapy/Telerehab.html> (telerehabilitation)

<http://www.uthscsa.edu/ot2/ot2.html> (fieldwork)

CD-Roms

1st & 2nd Grade Spelling using Intellikeys® alternative keyboard for San Antonio ISD (student project)

Videos

2000 OT.AHEC

1998 Honorable Mention, American Academy of Cerebral Palsy and Developmental Medicine, "Horses, Hearts & Heroes: Hippotherapy at the University of Texas Health Science Center at San Antonio

PRESENTATIONS

Invited Conference Presentations

Baum, C, Rogers, J, Mann, WC, Murphy, S, Schmid, A, Bendixen, R, Skidmore, E, Lin, S, Hubbard Winkler, SL. Latest OT research: Innovative research and the career pathways of scientists. American Occupational Therapy Annual Conference, Houston, TX, April, 2009. Panelist.

Jutai, J, Hubbard, SL. Conceptual models in AT outcomes research. Pre-Conference Session: Accelerating Advancement in AT Outcomes Research to Enhance Independence in Aging. International Conference on Aging, Disability, and Independence, St. Petersburg, FL, February, 2008. Moderator and Presenter.

Hubbard, SL. Therapeutic interventions for soldiers/service members with upper limb amputation. rehabilitation of the combat amputee- consensus conference and creating a roadmap for the future. Center for the Intrepid, Brooks Army Medical Center, Ft. Sam Houston, San Antonio, TX, September, 2007. Plenary Session.

Hubbard, SL. Assistive Technology Meets the Computer. Creating Your Future: Living with a Disability - United Spinal Association Annual Conference. Orlando, FL, August, 2007. Educational Session.

Hubbard, SL. Upper limb rehabilitation research & education programs/outcomes. State of the Science Workshop on Research to Clinical Practice for People with Upper Extremity Amputation and Prosthetics. Walter Reed Army Medical Center, Washington DC, March 2007. Plenary Session.

Hubbard, SL, Bendixen, R, Witte, M. Implementing assistive technology and home modifications for adults living with chronic disease. 1st Annual Clinical Fieldwork Educators Workshop. Gainesville, FL, November 2006.

Hubbard, SL, Bendixen, R, Witte, M. Occupational Therapy for adults with chronic disease. The Myositis Association 2006 Annual Conference. Orlando, FL, September 2006.

Tele-Rehabilitation. e-University: A New Frontier at UTHSCSA, e-healthcare tract, San Antonio, TX, 2001.

Sensory Integration in a Natural Environment. Texas State Early Intervention Conference, Austin, TX, 2000.

UTHSCSA OT Fieldwork Web Page. EDSIS Fieldwork Council, American Occupational Therapy Association Conference, Seattle, WA, 2000.

Informal Presentations

“Upper extremity amputation and Prosthetics training for health care professionals. Module I: Introduction to upper extremity amputation. Rehabilitation Research Outcomes Center, Gainesville, FL, 2006.

Workshops and Short Courses:

*SPICES Training for Preceptors
UT Pan Am, Edinburg, TX, 2001
Laredo Community College, Laredo, TX, 1999, 2000
Kerrville State Hospital, Kerrville, TX, 1998
NW Regional Hospital, Corpus Christi, TX, 1997, 1988
McKenna Memorial Hospital, New Braunfels, TX, 1998
Tri-County Regional Hospital, Jourdanton, TX, 1997
Boerne ISD, Boerne, TX, 1997.

*Intellitools® Training (Alternative and Augmentative Communication)
Carrizo Springs ISD, Carrizo Springs, TX, 2000, 2001
Laredo Community College, Laredo, TX, 2000

Eagle Pass ISD, Eagle Pass, TX, 2000.

*Development of Oral Motor & Feeding Skills, San Antonio, TX, 1999.

*Emotional Development: 0-3 Years
San Antonio, TX, 1999
Eagle Pass, TX, 1999.

*Development of Clinical Reasoning, Fieldwork Fiesta, UTHSCSA, San Antonio, TX, 1998.

*Sensory Integration as a Frame of Reference for the Practice of Hippotherapy with a Pediatric Clientele, Pipe Creek, TX, 1997.

Developing Competency in Feeding in Clients and Caregiver
Albuquerque, NM, 1997
*Sante Fe, NM, 1996.

* Course Director

PROFESSIONAL ACTIVITIES

TEACHING

Instructional Activities

University of Florida

Graduate Courses

PHC 6011 Epidemiology Methods II (project mentor)
OTH 6641 Occupational Therapy Interventions I: Adult and Seniors (course director)
OTH 6642 Occupational Therapy Interventions II: Adult and Seniors (course director)
OTH 6635 Principles of OT Screening and Evaluation I: Pediatrics (co-instructor)
OTH 6636 Principles of OT Screening and Evaluation II: Pediatrics (co-instructor)
OTH 5816 Practicum in OT II (co-instructor)

Guest Lectures

Spring 2007 College of Nursing, "Assistive Technology and Home Modifications"
Summer 2005 OTH 6933 Study Designs and Methods for Secondary Analysis of National Existing Databases

Undergraduate Level Students – Honors and Research

Spring 2009 S Mersch
"Cost of Upper Limb Prosthetic Devices"

Advanced Master Level Students – Capstone Project Mentor

Spring 2008 C Diamond
"Implementing a sensory smart classroom"
Spring 2007 J Allen
"Driving with cognitive impairment - a review of the rehabilitation procedures for and concerns about obtaining permission to drive after cerebral damage"
Fall 2006 R Montz

Fall 2005 “Integrating Occupational Therapy into the Army Rangers”
M Whitechurch
“Implications and considerations of accessible web site design”
M Sherman
“A review of upper extremity assessments for pediatric and adult rehabilitation”
Summer 2005 A Pardini
“Model for assistive technology in the schools”
Spring 2005 M Whitechurch
Fall 2005 J Buxton
“Implications for oral stimulation with pre-term neonates: A review of evidenced based literature”

University of Pittsburgh

Undergraduate Courses

HRS 1000 Introduction to Research (teaching assistant)

University of Texas Health Science Center at San Antonio

Graduate Courses

OCCT 5020 Emotional Development Birth-3 & Attachment Disorder (guest lecturer)
OCCT 5023 Applied Statistics for Health Care Practitioners (co-instructor)
OCCT 6022 Environmental Technology II (co-instructor)
OCCT 5014 Tele-rehabilitation (guest lecturer)
OCCT 6020 The Alert Program (guest lecturer)
OCCT 6026 Psycho-Social Lab (PBL facilitator)
OCCT 5014 NCAST: Keys to Caregiving (guest lecturer)
Special Topics: Introduction to Hippotherapy (primary instructor)

Clinical Teaching

OT Level I Head Start Screenings, San Felipe Del Rio Head Start, Del Rio, TX (preceptor)
OT Level I Assistive Technology Lab, San Antonio ISD, San Antonio, TX (preceptor)
OT Level I Psychosocial Dysfunction, Youth Habitat of Texas, Comfort, TX (preceptor)
OT Level I Physical Dysfunction, Hondo Skilled Nursing Center, Hondo, TX (preceptor)
OT Level II Rural Community, South Texas, Eagle Pass, TX (preceptor)

University of New Mexico

Clinical Teaching

Master’s level OT, PT, SLP, Medical students and residents, Dept. of Pediatrics, Preschool and Infant Evaluation Team (preceptor)

Other Clinical Teaching

OT Level II Albuquerque Public Schools, Albuquerque, NM (preceptor)
OT Level II St. Joseph Rehabilitation Center, Albuquerque, NM (preceptor)
OT Level II Northern New Mexico Rehabilitation Center, Las Vegas, NM (preceptor)
OT Level II Washoe Medical Center, Reno, NV (preceptor).

RESEARCH

Role Award #	Grant Title	Agency	Amount	Years
PI 614010000 H235J050020	Prosthetic & Orthotic Demonstration Project	University of South Florida USDOE/RSA	\$9,398	2006
Co-PI	Provision of Mobility-Related Devices to Veterans with Stroke	VA RR&D	\$385,100	2005-2008
PI 614010000 H235J050020	Prosthetic & Orthotic Demonstration Project	University of South Florida USDOE/RSA	\$9,398	2005
Co-I 1 R21 HD046540-01A1	Impact of Power-Assist Wheelchair on QoL	NIH	\$331,068	2005-2007
Co-I	Assessment of the National Prosthetics Patient Database: Preliminary Studies of Validity	VA RR&D	\$74,500	2002-2003
Co-I	Effectiveness of the VA System of Providing Prosthetic Devices to Meet Veteran's Needs	VA Center for Health Equity Research and Promotion RR&D	\$10,000	2002-2003
Co-PI	An Interdisciplinary Web-Based Neuroscience Course for Allied Health Students	University of Texas Health Science Center at San Antonio Innovative Teaching Grant	\$5,000	2001-2002
Technology Coordinator	UTHSCSA Laredo Extension OTA to MOT Program	University of Texas Health Science Center at San Antonio South Texas Border Initiative	Unknown	1999-2001
PI	Occupational Therapy Clinical Education Program	University of Texas Health Science Center at San Antonio Area Health Education Center	\$32,000	1999-2000
PI	Reliability and Validity of the Occupational Therapy Attribute Scale	University of Texas University of Pittsburgh	Not funded	1998-present
Coordinator	Occupational Clinical Education Program	University of Texas Health Science Center at San Antonio Area Health Education Center	\$55,000 \$142,000 \$90,900	FY 1996 FY 1997 FY 1998

Current Research Interests

Assistive Technology
 Seating and Mobility
 Outcome Measures
 Environmental Access
 Neurologic Disorders
 Alternative and Augmentative Communication (AAC)

SERVICE

Patient Service

University of Pittsburgh

Center for Assistive Technology, Mark Schmeler, OTR/L, Director, 2001-present. Provide direct service and follow up in seating and mobility and computer access including assessment, intervention and training.

University of Texas Health Science Center at San Antonio

Consultation provided through University of Texas Health Science Center at San Antonio Area Health Education Center grant to OT clinical fieldwork sites in South Texas 1998-2001.

Carrizo Springs Head Start

Carrizo Springs Independent School District

Uvalde Memorial Hospital

Hondo Skilled Nursing and Rehabilitation Center

Eagle Pass Independent School District

Youth Habitat of Texas.

Happy Trails Hippotherapy, Owner, 1993-2001.

HHH Equitherapy, Hippotherapy with children with cerebral palsy and autism, 1997-2000.

University Service

Department

Member, Curriculum Committee, Occupational Therapy Department, University of Texas Health Science Center at San Antonio, 1998-2001.

Member, Admissions Committee, Occupational Therapy Department, University of Texas Health Science Center at San Antonio, 1998-2001.

College/School

Member, Financial Aid/Scholarship Committee, College of Public Health and Health Professions, University of Florida, 2006-2007.

Member, Committee on Distant Learning, School of Allied Health Science, University of Texas Health Science Center at San Antonio, 2000-2001.

Member, Allied Health Interface Distant Education Web Design Committee, School of Allied Health Science, University of Texas Health Science Center at San Antonio, 2000-2001.

Member, Benchmark Committee: Innovative Teaching, School of Allied Health Science, University of Texas Health Science Center at San Antonio, 1999.

Member, Clinical Lab Sciences Search Committee, School of Allied Health Science, University of Texas Health Science Center at San Antonio, 1998.

University

Faculty Advisor, University of Florida Equestrian Team, 2007-2008.

Member, South Texas Health Research Center Advisory Board, University of Texas Health Science Center at San Antonio, 1998-2001.

Member, Center for Distance Learning & Tele-Health Advisory Committee, University of Texas Health Science Center at San Antonio, 1998-2001.

Member, Computing Resources Advisory Committee, University of Texas Health Science Center at San Antonio, 1998-2001.

Member, Campus Wide Information System Committee, University of Texas Health Science Center at San Antonio, 1998-2001.

Mentorship

University of Texas Health Science Center at San Antonio

Mentor, Direct supervision of a university student from Madeburg University, Germany, in distance education, October-November, 2000.

Mentor, Health careers mentor using email, synchronous and asynchronous chat, of a high school student from the Mexico border town of Eagle Pass, TX, 1999.

Mentor, Health careers in occupational therapy, direct supervision of a high school student from the Communications Arts High School, San Antonio, TX, 1999.

Community Service

Preschool Sunday School Teacher , 2005-06
Elim Baptist Church, Ft. White, FL.

HHH Equitherapy, 1997-2000

Lone Star Therapeutic Equestrian Network, 1998.

State Leadership

Hill Country Chapter of the Texas Infant Mental Health Association (Board of Directors), 2000-2001.

Texas Infant Mental Health Association (Chairman, Continuing Education Committee), 2000-2001.

Texas State Representative to New Scripts for 21st Century Services: An Innovative Model for Supporting Change and Reform in Interprofessional Preservice Training, Frank Porter Graham Child Development Center, The University of North Carolina at Chapel Hill, (Regional Team Leader), 1999-2001.

Grant Review

Centers for Disease Control and Prevention, Atlanta, GA, 2006

University of Florida, College of Public Health and Health Professions, 2005-06

Health Research Center, University of Texas Health Science Center at San Antonio, 1999.

Inland Counties Developmental Disabilities Area Planning Board, 1975-1980.

CONTINUING EDUCATION UNIT (CEU) ACTIVITIES

8th Annual Epidemiology, Biostatistics, Clinical Research Methods Summer Session. University of Washington, 2006.

Aging & Rehabilitation: An Interdisciplinary Research Seminar Series, University of Florida, 2005.

Symposium in AAC Evidence-Based Practice and Performance Measurement. AAC Institute, Pittsburgh, PA, 2003.

Biannual Pittsburgh Employment Conference (PEC), Strategies and Partners in Employment, Pittsburgh, PA, 2003.

RESNA 26th International Conference, Technology & Disability: Research, Design, Practice and Policy, Atlanta, GA, 2003.

Programming II, SAS Institute, Pittsburgh, PA, 2003.

Statistics II: ANOVA and Regression, SAS Institute, Pittsburgh, PA, 2003.

Essentials, SAS Institute, Cary, NC, 2003 (online).

Comprehensive Workshop in Seating and Wheeled Mobility, Pittsburgh, PA, 2003.

RESNA 25th International Conference, Technology & Disability: Research, Design, Practice and Policy, Minneapolis, MN, 2002.

Advanced Applications in Augmentative Communication, Katya Hill, PhD, SLP-CCC, Edinboro, PA, 2002.

Functional Classification for Children with Developmental Delays and Disabilities, Rune Simeonsson, PhD, MSPH, UCLID, Pittsburgh, PA, 2001.

8th Annual Pittsburgh Employment Conference (PEC), Roles of Mentoring and Personal Care Assistant Care in Employment, Pittsburgh, PA, 2001.

AUTHORWARE 5: Level 1, Macromedia University, 2001 (online).

FLASH: Level 1 and 2, Macromedia University, 2001 (online).

Teaching Evidence-Based Practice in Rehabilitation Professional Curricula, Sargent College of Health and Rehabilitation Sciences, Boston University, Boston, MA, 2001.

*Intellitalk II, Patti Rea, MS, Carrizo Springs, TX, 2001.

HTML, UTHSCSA, San Antonio, TX, 2001.

*Interactive Coaching for At-Risk Parents (ICAP), Meredith Censullo, PhD, RN, ANP, Laredo, TX, 2000.

Get SETT for Success with Assistive Technology! Considering, Using, and Evaluating Assistive Technology for Student Success, Joy Zavala, MEd, ATP, San Antonio, TX, 2000.

Disturbances and Disorders of Attachment in Infancy: An Overview, Sarah Hinshaw, LMSW-ACP, Austin, TX, 2000.

*Introduction to Pedicatic Neurodevelopmental Treatment, Linda Caldwell, PT, Corpus Christi, TX, 2000.

*Introduction to Adult Neurodevelopmental Treatment, Teddi Parkinson, PT, Corpus Christi, TX, 2000.

Putting Your Course On-line, Texas Virtual Campus, TX, 2000.

Preparing for Your First Semester with WebCT, San Antonio, TX, 2000.

Texas Distant Learning Association Annual Conference, San Antonio, TX, 2000.

Infant Emotional and Social Development: the Nature of Attachments, Michael Trout, Austin, TX, 2000.

Early Childhood Intervention Annual Conference, Austin, TX, 2000.

AOTA Conference, Seattle, WA, 2000.

Assistive Technology and Occupation-Based Outcomes Across the Lifespan, Shelley Lane and Joyce Hammel, AOTA, Seattle, WA, 2000.

EDSIS Fieldwork Council, AOTA, Seattle WA, 2000.

CAMA, El Paso, TX, 2000.

Research Training Institute. Thomas Jefferson University, Philadelphia, PA, 1999.

Intellitools Summer Conference, San Rafael, CA, 1999.

Advances in Neuroscience: Implications of Research on the Role of Early Experience on Neurodevelopment, University of Nebraska Medical Center, 1999, (video teleconference).

The School Function Assessment: Administration & Interpretation, San Antonio, TX, 1999.

Intermediate Hippotherapy: Clinical Problem Solving, San Francisco, CA, 1998.

Every Move Counts, San Antonio, TX, 1998.

Picture Exchange Communication, San Antonio, TX, 1998.

Intellitools Assistive Technology, San Antonio, TX, 1998.

Discover Kenyx Assistive Technology, San Antonio, TX, 1998.

Boardmaker Assistive Technology, San Antonio, TX, 1998.

Facilitating Client Centered Reasoning: Problem Based Learning. Texas Women's University, Dallas, TX, 1998.

American Academy of Cerebral Palsy and Developmental Medicine Conference, San Antonio, TX, 1998.

Lone Star Therapeutic Equestrian Network Conference, Texas A&M University, College Station, TX, 1998.

Looking at How the Market and Technology are Driving Higher Education and How We Should Respond, University of Texas Health Science Center at San Antonio, TX, 1998.

Facilitating Development of Professional Behaviors in Physical Therapy Education, University of Texas Health Science Center at San Antonio, PT Department, TX, 1998.

Congress on Children, The University of Incarnate Word; Any Baby Can, Inc.; San Antonio, TX, 1998.

Transforming Outcomes Data into Management Information, Sargent College, Boston, MA, 1998.

Distance Learning Workshop, University of Texas Health Science Center, Office of Educational Resources, San Antonio, TX, 1998.

Intensive Grant Writing Seminar, Dr. Barbara Breier, University of Texas Health Science Center San Antonio, TX, 1998.

Infancy and Early Childhood Training Course, Dr. Stanley Greenspan, Washington, D.C., 1998.

Improving Student Performance Appraisal in Clinical Settings, University of Texas Health Science Center, Office of Educational Resources, San Antonio, TX, 1998.

Outcome-Based Rehabilitation for Children in Hospital, Ambulatory and Education Settings: Strategies for Documentation, Treatment Planning and Outcomes Management, Stephen Haley, PT, PhD, Driscoll Children's Hospital, Corpus Christi, TX, 1998.

Grant Writing Workshop, University of Texas Health Science Center, Division of Educational Research, San Antonio, TX, 1997.

Assessment and Treatment of Feeding and Swallowing Disorders in Children, Sandy Mader, SLP, CCC, San Antonio, TX, 1997.

Handwriting Without Tears; Jan Olsen, OTR, San Antonio, TX, 1997.

*T.I.M.E. Workshop: Toddler Infant Motor Evaluation, Diane Legner, RPT, Corpus Christi, TX, 1997.

Hippotherapy: A Dynamic Approach, American Hippotherapy Association, Denver, CO, 1997.

Riding the Winds of Progress, 9th International Congress, North American Riding for the Handicapped Association, Denver, CO, 1997.

Linking Hand Assessment to Functional Treatment; Rhoda Erhardt, MS, OTR, FAOT, Center Point, TX, 1997.

Mobility Opportunities Via Education (M.O.V.E.), Ginny Paleg, RPT, San Antonio, TX, 1997.

Faculty Research Workshop, University of Texas Health Science Center, San Antonio, TX, 1997.

Infant and Early Childhood Mental Health Training Series, Los Cumbres Learning Services, Infant-Caregiver Relationships, Stephen Seligman, MD, Family Therapy with Young Children, Braulio Montalvo, MA, Childhood Trauma and Resiliency, Loyd Vigil; Espanola, NM, 1996.

Oral Motor Assessment and Intervention; Debra Beckman, MS, CCC-SLP; Albuquerque, NM, 1995.

The Development of Oral-Motor Skills in Children Receiving Non-Oral Feedings, Suzanne Evans Morris, CCC-SLP; Redwood City, CA, 1995.

Introduction to Hippotherapy, Terry Barnes, PT, Justin, TX, 1994.

Communication Disorders 593: Assessment of Infant and Toddlers, University of New Mexico, Albuquerque, NM, 1994.

Communication Disorders 539: Infants and Toddlers: Family-Centered Care, University of New Mexico, Albuquerque, NM, 1993.

Special Education 593: Touch Window for Early Childhood Education, Albuquerque, NM, 1993.

Vision Rehabilitation & Occupational Therapy: A Multi-Disciplinary Approach, Dr. Samuel Berne, Behavioral Optometrist; Sante Fe, NM, 1993.

National Autism Conference, Albuquerque, NM, 1992.

CranioSacral Therapy, Sante Fe, NM, 1992.

Advance Training in the Miller Assessment for Preschoolers, Albuquerque, NM, 1992.

The Wondrous Brain and Its Potential for Integration, 18th Annual Sensorimotor Integration Symposium, Josephine Moore, OTR, PhD, Patti Oetter, OTR and Steve Cool, PhD; San Diego, CA, 1990.

Hypotonia: Assessment and Management, 17th Annual Sensorimotor Integration Symposium, Josephine Moore, OTR, Ph.D., Regi Boehme, OTR and Barbara Hypes, PT; San Diego, CA, 1989.

The Mechanics of Respiration: A Critical link to Postural Control Movement and Phonation, Josephine Moore, OTR, Ph.D., Rona Alexander, CCC-SP and Barbara Cupps, PT; San Francisco, CA, 1989.

Swallowing Disorders: Assessment and Treatment, American Rehabilitation Education Network Series, 1989 (video teleconference).

Evaluation and Treatment of Children with Minor CNS Disorders, American Rehabilitation Education Network Series, 1988 (video teleconference).

Family Centered Intervention: Carl Dunst, PhD, Albuquerque, NM, 1988.

Integration of Speech-Language and Sensorimotor Therapies, Patti Oetter, OTR and Marci Laurel, SLP-CCC, Albuquerque, NM. 1988.

Sensory Affective Disorders: A New View of Tactile Defensiveness, Pat Wilbarger, OTR, Albuquerque, NM, 1988.

AVANTI Sensory Integration Summer Camp, Santa Barbara, CA, 1987.

Topics in Early Childhood Special Education, Patti Oetter, OTR, Santa Fe, NM, 1987.

Sensory Integration Praxis and Test Administration, Sensory Integration International, Phoenix, AZ. 1987.

A Neurological Foundation for Sensory Integration, Sensory Integration International, Los Angeles, CA, 1986.

Bobath Techniques for the OT in Treatment of Hemiplegia, Jan Davis, OTR, Los Gatos, CA. 1986.

The Shoulder in Hemiplegia, Rene Cailliet, MD, Jan Davis, OTR & Louise LaPitz, RPT, San Jose, CA, 1986.

American Rehabilitation Education Network Series: The Management of CP: A Neurodevelopmental Approach; Bobath: Upper Trunk Stabilization; Arthritis: Multi-Disciplinary Team Approaches; Stroke: Cognition, Perception and Language Management, Strategies; PNF for the OT and PT, 1986 (videoteleconference).

Head Trauma: Managing Memory Through Cognitive Rehabilitation, American Rehabilitation Education Network Series, 1993 (videoteleconference).

Treatment of Motor and Perceptual Dysfunction, Darcy Umphred, RPT, Reno, NV, 1985.

Management of Cerebral Palsy, University Medical School, Minneapolis, MN, 1978.

Feeding Assessment and Treatment of the CP Child, Miriam Lowrey; Fresno, CA, 1977.

Feeding Management Workshop, Pat Buehler, Palo Alto, CA, 1977.

Neural Development Training, Barbara Lowry, Sacramento, CA, 1976.

American Academy of Cerebral Palsy Conference, Los Angeles, CA, 1976.

So. California Sensory Integration Treatment Techniques, Los Angeles, CA, 1976.

Administration and Interpretation of the So. California Sensory Integration Test, Los Angeles, CA, 1975.

Josephine Moore Sensorimotor Integration Seminar, La Jolla, CA, 1975.

Visual Perception & Perceptual Motor Development; Frank Belgau, Los Angeles, CA, 1975.

World Federation of Occupational Therapy Conference Pediatric Study Course, Glenrose Hospital School; Edmonton, Alberta, Canada, 1974.

* Course Director