

Leigh A. Lehman
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EDUCATION

Ph.D. in Rehabilitation Science UNIVERSITY OF FLORIDA, Gainesville, FL	May 2008
Master of Health Science, Occupational Therapy UNIVERSITY OF FLORIDA, Gainesville, FL	May 2005
Bachelor of Science, Biology MAGNA CUM LAUDE UNIVERSITY OF SOUTH CAROLINA UPSTATE Spartanburg, SC	May 1998
Bachelor of Science, Psychology MAGNA CUM LAUDE UNIVERSITY OF SOUTH CAROLINA UPSTATE Spartanburg, SC	May 1998

WORK EXPERIENCE

September 2013-present Research Health Scientist, **Department of Veterans Affairs, Center for Innovation on Disability and Rehabilitation Research (CIDRR8)**, Gainesville, FL

- Responsible for conducting research studies, research related activities, and writing grants and publications

July 2013-present Adjunct Faculty, Department of Occupational Therapy, **University of Florida**, Gainesville, FL

- Responsible for teaching components of adults and seniors course

Aug. 2009-May 2013 Adjunct Faculty, **University of South Carolina Upstate**, Spartanburg, SC

- Responsible for teaching psychological statistics courses in the departments of psychology and business and mentoring students in research.

Nov. 2008-April 2009 Occupational Therapist, **Pediatrics Unlimited**, Spartanburg, SC

- Work with children with a variety of conditions including: premature births, cerebral palsy, developmental delay, genetic disorders, autism, dyspraxia, learning disabilities, ADHD, sensory integration disorders and hearing impairments.

April 2008-Oct. 2008 Occupational Therapist, **Bon Secours St. Francis Health System**, Greenville, SC

- Work in acute care with patients with a variety of diagnoses including stroke, hip replacement, knee replacement, debility

2006-2008 Pre-Doctoral Fellow, **North Florida/South Georgia Veterans Health System**, Gainesville, FL

- Dissertation work investigating the ability of assessments to detect patient change (outcome measurement).
- An in-depth analysis of two upper extremity assessments, the Disabilities of the Arm, Shoulder and Hand (DASH) outcome questionnaire and the Upper Extremity Functional Index (UEFI) and their ability to evaluate patient change (responsiveness).
- Two-parameter Item Response Theory (IRT) analysis of these two assessments to uncover the item-level characteristics which might contribute to ability to detect change.
- Development of “recovery maps” based on VA population data. These “recovery maps” are designed to assist therapist’s in setting patient goals and treatment planning.

May 2007- Aug.2007 Adjunct Faculty, Department of Occupational Therapy, **University of Florida**, Gainesville, FL

- Teaching graduate-level Applied Research in Occupational Therapy course
- Responsibilities include lecturing, developing powerpoint slides for lectures, managing course on Web Vista CT, responding to all class emails, test development, grading quizzes and tests, assisting students in the creation of posters designed to critique an intervention used in OT practice (detail evidence base for treatment)

2001-2006 Research Assistant, Department of Occupational Therapy, **University of Florida**, Gainesville, FL

- Coordinated day-to-day activities for a grant funded by the National Institute on Disability and Rehabilitation Research to create a precise measurement system based on the World Health Organization's (WHO) International Classification of Functioning, Disability and Health (ICF) model.
- Responsibilities included assisting in: development of an item-bank using focus groups and cognitive interviewing, assisting in the design of a computer adaptive testing program, and creation of a database for the collection of data for the research study.
- Contributed to various other phases of grants (e.g., planning stage and development of budget) including grants to develop a computer adaptive cognitive measure for traumatic brain injury funded by the National Institute of Health and to develop a computer adaptive measure of functional cognition (CAMFC) for stroke funded by GlaxoSmithKline, Inc.
- Prepared and maintained IRB documents for several grants.
- Participated in manuscript preparation.

2002 Research Assistant Stroke Lab, Department of Physical Therapy, **University of Florida**, Gainesville, FL

- Conducted Constraint-Induced Movement Therapy according to research study protocol (6 hours daily upper extremity treatment for participants with stroke)

1995- 1997 Tutor, Department of Psychology. **University of South Carolina at Spartanburg**, Spartanburg, SC

- Provided academic instruction to students in subjects related to experimental psychology.

CLINICAL INTERNSHIP EXPERIENCES

Sept. – Dec. 2001 Occupational Therapy Internship; **Veteran's Administration Medical Center** – Gainesville, FL

- Worked in outpatient and acute care

June – Sept. 2001 Occupational Therapy Internship; **Shands Rehabilitation Hospital** – Gainesville, FL

- Worked on spinal cord injury team

June 2001 Practicum Student; **Hand Rehabilitation Center of Gainesville**, Gainesville, FL

- Worked in outpatient hand therapy

May 2001 Practicum Student; **Thera-PedX**, Gainesville FL

- Worked with children in outpatient occupational therapy

TEACHING ASSISTANT EXPERIENCES

May – August 2005 Teaching Assistant in Applied Research in OT course, **University of Florida**, Gainesville, FL

January – May 2002 Teaching Assistant in Therapeutic Activities course, **University of Florida**, Gainesville, FL

FUNDED GRANTS

Responsiveness Comparison of Two Upper Extremity Outcome Measures (\$26,330) - Pre-Doctoral Associated Health Rehabilitation Research Fellowship - Principal Investigator - Department of Veterans Affairs – October 2006 – October 2007.

PUBLICATIONS

Sindhu, B.S., **Lehman, L.A.**, Tarima, S., Bishop, M.D., Hart, D.L., Klein, M.R., Shivakoti, M., Wang, Y-C. (2012). Influence of fear-avoidance beliefs on functional status outcomes for people with musculoskeletal conditions of the shoulder. *Physical Therapy*, 92(8), 993-1005.

Lehman, L.A., Woodbury, M., Shechtman, O., Wang, Y-C., Pomeranz, J., Gray, D.B., & Velozo, C.A. (March 14, 2012). Development of an Item Bank for a Computerized Adaptive Test of Upper Extremity Function. *Disability and Rehabilitation*, 33, 21-22.

Lehman, L. A., Woodbury, M., & Velozo, C. A. (2011). Examination of the factor structure of the disabilities of the arm, shoulder, and hand questionnaire. *American Journal of Occupational Therapy*, 65, 1–10. doi: 10.5014/ajot.2011.000794.

Lehman, L. A., Sindhu, B. S., Johnson, J., & Velozo, C. A. (2011). Creating a clinically useful data collection form for the DASH questionnaire. *American Journal of Occupational Therapy*, 65, 1–10. doi: 10.5014/ajot.2011.09218

Lehman, L.A., Velozo, C.A. (2010). Ability to detect change in patient function: Responsiveness designs and methods of calculation. *Journal of Hand Therapy*, 23(4), 361-371.

Lehman, L.A., Sindhu, B.S., Shechtman, O., Romero, S., Velozo, C.A. (2010). A comparison of the ability of two upper extremity assessments to measure change in function. *Journal of Hand Therapy*, 23, 31-40.

Velozo, C.A., Wang, Y., **Lehman, L.**, Wang, J-H. (2008). Utilizing Rasch measurement models to develop a computer adaptive self-report of walking, climbing, and running. *Disability and Rehabilitation*, 30(6), 458-467.

Sabari, J.S., Lim, A.L., Velozo, C.A., **Lehman, L.**, Kieran, O., Lai, J.S. (2005). Assessing arm and hand function after stroke: A validity test of the hierarchical scoring system used in the motor assessment scale for stroke. *Archives of Physical Medicine and Rehabilitation*, 86, 1609-1615.

Lehman, L.A., Ward, S., Kizer, J.B., Griffin, J. "Accommodations for College Students with Attention Deficit Disorder: 'Fairness' to the Beholder". *Higher Education Abstracts*, 1997.

PRESENTATIONS

Lehman, L.A. Do I want to become a researcher in the field of occupational therapy? 2013 AOTA/NBCOT National Student Conclave. Jacksonville, FL, November 12, 2013.

Sindhu, B. S., **Lehman, L. A.**, Tarima, S., Bishop, M. D., Hart, D., Shivakoti, M., Klein, M.R., & Wang, Y.-C. Impact of fear of pain on functional status outcomes among people with shoulder impairments. American Occupational Therapy Association Annual Conference, Indianapolis, IN, April 26-29, 2012.

Klein, M.R., Sindhu, B.S, **Lehman, L.A.**, Wang, Y.C, & Hart, D.L. Influence of Pain on Function among People with Musculoskeletal Shoulder Impairments. Spring 2011 Undergraduate Research Symposium, University of Wisconsin-Milwaukee, Milwaukee, WI, April 15, 2010.

Keen, S., Brown, S., **Lehman, L.A.**, Griffin, J., Forbus, L., Crow, L. Are College Students with Disabilities Accepted by Their Peers? Southeastern Psychological Association 57th Annual Meeting, Jacksonville, FL, March 4, 2011.

Griffin, J., Brown, S., Keen, S., **Lehman, L.A.**, Forbus, L., Crow, L. The Benefits of Prior Exposure to Persons with Physical Disabilities. Southeastern Psychological Association 57th Annual Meeting, Jacksonville, FL, March 4, 2011.

Lehman, L.A., Sindhu, B.S., Shechtman, O., Romero, S., Velozo, C.A. Choosing the Optimal Assessment for Measuring Functional Change: A Comparison Of Two Upper Extremity Outcome Questionnaires. American Occupational Therapy Association's 90th Annual Conference, Orlando, FL, April 30, 2010.

Lehman, L.A., Velozo, C.A., Hart, D.L. Comparing Ability to Measure Change in Upper Extremity Function: Is There One "Gold Standard" Assessment? 20th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 12, 2007.

Lehman, L.A., Velozo, C.A., Woodbury, M., Byers, K., Pomeranz, J., Piantieri, S., Wang, Y-C., Wang, J-H., Wen, P-S. Use of "Recovery Maps" to Guide Occupational Therapy Upper Extremity Interventions. American Occupational Therapy Association's 86th Annual Conference, Charlotte, NC, April 28, 2006.

Wang, J-H., Velozo, C.A., Barrett, B., **Lehman, L.A.**, Piantieri, S.H., Wang, Y-C., Wen, P-S. Developing an Individualized Physical Function Assessment Using Computerized Adaptive Testing. American Occupational Therapy Association's 86th Annual Conference, Charlotte, NC, April 28, 2006.

Lehman, L.A., Velozo, C.A., Woodbury, M., Byers, K., Pomeranz, J., Wang, Y-C., Wang, J-H., Wen, P-S. Use of "Recovery Maps" to Guide Upper Extremity Therapy Interventions. 19th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, March 20, 2006.

Lehman, L.A., Pomeranz, J., Velozo, C.A., Development of a Data Entry, Management, and Reporting System for Occupational Therapy Research. American Occupational Therapy Association's 85th Annual Conference, Long Beach, CA, May 13, 2005.

Wang, J-H., Velozo, C.A., Pomeranz, J., **Lehman, L.A.**, Piantieri, S., Byers, K., Wang, Y-C., Gray, D. A Self-Report Measure of Wheelchair Mobility for Spinal Cord Injury Developed Based on the ICF. American Occupational Therapy Association's 85th Annual Conference, Long Beach, CA, May 13, 2005.

Wang, Y-C., Velozo, C.A., **Lehman, L.A.**, Piantieri, S., Pomeranz, J., Byers, K., Wang, J-H., Wen, P-S. Differential Item Functioning on Different Diagnostic Groups to Decide Branch Prior to CAT. American Occupational Therapy Association's 85th Annual Conference, Long Beach, CA, May 13, 2005.

Lehman, L.A., Velozo, C.A., Pomeranz, J., Byers, K., Piantieri, S., Wang, Y-C., Wang, J-H., Wen, P-S. Determining the Psychometrics of an Item Bank as a Precursor to the Development of a Self-Report Computerized Adaptive Measure of Upper Extremity Function. University of Florida/Veteran's Administration Rehabilitation Research Day, Gainesville, FL, May 3, 2005.

Velozo, C.A., Johnson, A., Byers, K., Piantieri, S., Pomeranz, J., **Lehman, L.**, Wang, Y-C., Wang, J-H., Wen, P-S., Gray, D. Development of a Computerized Adaptive Self-Report Functional Measure. University of Florida/Veteran's Administration Rehabilitation Research Day, Gainesville, FL, May 3, 2005.

Wang, J-H., Velozo, C.A., Pomeranz, J., **Lehman, L.A.**, Byers, K., Piantieri, S., Wang, Y-C., Gray, D. The Item Response Theory Psychometrics of a Self-Report Wheelchair Mobility Measurement for Spinal Cord Injury. University of Florida/Veteran's Administration Rehabilitation Research Day, Gainesville, FL, May 3, 2005.

Velozo, C.A., Johnson, A, Byers, K., Piantieri, S., Pomeranz, J., **Lehman, L.**, Wang, Y., Wang, J., Wen, P., Gray, D. Development of a computerized adaptive self-report functional measure. Veterans Affairs Health Services Research and Development Conference, Washington, D.C., February 17, 2005.

Lehman, L.A., Velozo, C.A., Pomeranz, J.L., Johnson, A., Byers, K., Piantieri, S., Wang, Y-C., Wang, J-H., Wen, P-S Development of a measure of upper extremity function using modern test theory. American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Joint Conference, Ponte Vedra Beach, FL, September 9-12, 2004.

Piantieri, S., Velozo, C.A., **Lehman, L.A.**, Pomeranz, J.L., Byers, K., Wang, J-H., Wang, Y-C. Item response characteristics of a measure of positioning and transferring ability for patients with back pain. American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Joint Conference, Ponte Vedra Beach, FL, September 9-12, 2004.

Pomeranz, J.L., Velozo, C.A., Johnson, A., **Lehman, L.A.**, Byers, K., Piantieri, S., Wang, Y-C., Wang, J-H., Wen, P-S. Developing a disability survey using cognitive interviewing. American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Joint Conference, Ponte Vedra Beach, FL, September 9-12, 2004.

Velozo, C.A., Pomeranz, J.L., Johnson, A., **Lehman, L.A.**, Byers, K., Piantieri, S., Wang, Y-C., Wang, J-H., Wen, P-S. Development of a computerized measure of disability. American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Joint Conference, Ponte Vedra Beach, FL, September 9-12, 2004.

Wang, Y-C., Velozo, C.A., **Lehman, L.A.**, Piantieri, S., Pomeranz, J.L., Byers, K., Wang, J-H., Wen, P-S. Using differential item functioning to determine unidimensionality of the ICF activity item bank: Assessing responses across different diagnostic groups. American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Joint Conference, Ponte Vedra Beach, FL, September 9-12, 2004.

Lehman, L.A., Velozo, C.A., Pomeranz, J.L., Byers, K., Piantieri, S., Wang, Y-C. Development of a measure of upper-extremity function based on the activity dimension of the ICF. American Occupational Therapy Association's 84th Annual Conference, Minneapolis, MN, May 22, 2004.

Velozo, C.A., Barrett, B., Piantieri, S., Byers, K., Pomeranz, J., **Lehman, L.**, Wang, Y-C., Gray, D. Development of a computerized adaptive disability based on the ICF. American Occupational Therapy Association's 84th Annual Conference, Minneapolis, MN, May 22, 2004.

Lehman, L.A., Velozo, C.A., Pomeranz, J.L., Byers, K., Piantieri, S., Wang, Y-C. Improving assessment of upper extremity function: Development of a measure based on the International Classification of Functioning, Disability and Health (ICF). 17th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 16, 2004.

Piantieri, S., Velozo, C.A., Byers, K., Pomeranz, J.L., **Lehman, L.A.**, Wang, Y-C. Development of a self-report measure of disability for back pain. 17th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 16, 2004.

Pomeranz, J.L., **Lehman, L.A.**, Velozo, C.A., Byers, K., Wang, Y-C., Piantieri, S. Development of a data entry, management, and reporting system for rehabilitation research. 17th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 16, 2004.

Wang, J-H., Velozo, C.A., Pomeranz, J.L., **Lehman, L.A.**, Piantieri, S., Byers, K., Wang, Y-C., Gray, D. Development of a self-report measure of wheelchair mobility for patients with spinal cord injury based on the International Classification Of Functioning, Disability And Health. 17th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 16, 2004.

Wang, Y-C., Velozo, C.A., **Lehman, L.A.**, Piantieri, S., Pomeranz, J.L., Byers, K. Using differential item functioning to determine invariant measures across different diagnostic groups. 17th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 16, 2004.

Lehman, L.A., Velozo, C. A., Pomeranz, J., Byers, K., Piantieri, S., Wang, Y-C. Development of a measure of upper extremity function based on the ICF. 9th North American Collaborating Center Conference on ICF, St. Louis, MO, June 17, 2003.

Velozo, C.A., Barrett, B., Piantieri, S., Byers, K., Pomeranz, J., **Lehman, L.**, Wang, Y-C., Gray, D., Development of a computerized adaptive measure of disability based on the ICF. 9th North American Collaborating Center Conference on ICF, St. Louis, MO, June 17, 2003.

Piantieri, S., Byers, K., **Lehman, L.**, Pomeranz, J., Wang, Y-C., Barrett, B., Velozo, C. Development of a computerized adaptive measure of disability. 16th Annual College of Public Health and Health Professions Research Day University of Florida, Gainesville, FL, April 2003.

Lehman, L.A., Krauter, E. E. Stopping blinks: Are two prepulses better than one? Southeastern Psychological Association, Savannah, GA, March 1999.

Lehman, L.A., Ward, S., Kizer, J.B., Griffin, J. Is it 'fair' to waive requirements?: Accommodations for learning disabilities. Southeastern Psychological Association, Atlanta, GA, March 1997.

Lehman, L.A., Ward, S., Kizer, J.B., Griffin, J. Accommodations for college students with attention deficit disorder: Fairness' to the beholder. Southeastern Psychological Association, Norfolk, VA, March 1996.

HONORS/AWARDS

2002-2006	Alumni Fellowship - University of Florida
1993-1998	Gamma Beta Phi – National Honor Society
1995-1997	Phi Chi – National Psychology Honor Society
1993-1997	Chancellor’s List – 8 semesters
1994	Freshman Writing Award
1993-1997	Piedmont Scholarship