

Roxanna M. Bendixen, Ph.D., OTR/L

ADDRESS

College of Public Health and Health Professions
Department of Occupational Therapy
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EDUCATION

Ph.D., Rehabilitation Science, 2006, University of Florida
M.S., Health Science, 2002, University of Florida
B.S., Occupational Therapy, 1997, University of Florida

RESEARCH FOCUS

Neuromuscular disease (muscular dystrophy)
Neurobehavioral disorders (autism)

EMPLOYMENT

University of Florida, Department of Occupational Therapy, Research Assistant
Professor (2006 – present).

Veteran's Administration Pre-Doctoral Associate Health Rehabilitation
Research Fellowship, 2005-2006. Fellowship awarded to complete
dissertation related to the healthcare outcomes of veterans with disabilities.

National Older Driver's Research & Training Center (NODRTC), Research
Assistant/Driving Evaluator, 2005. Federal Highway Administration grant,
including on-the-road evaluations and simulated driving with older adults.

National Institute of Disability and Rehabilitation Research (NIDRR), Project
Coordinator, 2004-2005. Rehabilitation Research and Training Center on
Independent Living, Independent Living Center Services for Older Persons.

University of Florida/Veterans Administration Research Assistant/Care Coordinator,
2002-2004. Low ADL Monitoring Project (LAMP). Telerehabilitation project:
clinically assess clients in their home, determine appropriate technology and
adaptive equipment, provide training and remote monitoring. Data collection,
database development and analysis of various outcome measures (i.e., costs,
function and health related quality of life).

TEACHING EXPERIENCE (2002-2008 – Masters in Occupational Therapy)

Occupational Therapy Theory
Pediatrics I and II
Principles of Occupational Therapy Screening & Evaluation (Adults & Pediatrics)
Human Development
Therapeutic Activities in Occupational Therapy
Trends & Issues in Occupational Therapy (Distance Learning Master's Program)

CLINICAL EXPERIENCE

Kindred Healthcare Services/Orange County Public Schools, Orlando, FL, 1997-2001
Lead Diagnostician for Occupational and Physical Therapy Department

Pediatric Evaluation Center, Orlando, FL, 1998-2001
Occupational Therapy evaluations for early intervention (ages 0-2)

Children First Home Health Care Services, Winter Park, FL, 2000-2001
Occupational Therapy services for infants, early intervention, young adults

Florida Institute for Neurological Rehabilitation, Inc., Wauchula, FL, 1997
Rehability Center of Orlando, Orlando, FL, 1997
Orlando Regional Medical Center, Orlando, FL, 1997

HONORS AND AWARDS

Visiting Scholar, Capella University, 2007-2008
Lela Llorens Award for Academic Excellence in Research, 2002

PROFESSIONAL AFFILIATIONS

American Occupational Therapy Association (AOTA)
Florida Occupational Therapy Association (FOTA)
Society for Research in Child Development (SRCD)
American College of Sports Medicine (ACSM)

PROFESSIONAL SERVICE

UF Faculty Advisor, *H.E.L.P.* (Helping Every Little Person), 2009-2011
Associate Editor, *American Journal of Occupational Therapy*, 2008-2011
Editorial Board, *Occupational Therapy in Health Care*, 2008-2011

COMMUNITY SERVICE

Member, Coalition for Healthy Kids, Alachua County, Florida
Member, North Florida Pediatric Forum
Member, North Central Florida Chapter, Infant Mental Health Association

LICENSURE & CERTIFICATION

Occupational Therapist, Florida, Division of Medical Quality Assurance, OT8314
National Board for Certification in Occupational Therapy, Inc., Cert.1022672

CONFERENCE PRESENTATIONS

Lott, D., Bendixen, R., Senesac, C., Mathur, S., Kinsey, A., & Vandenborne, K.
Correlations between physical activity, function, and self-assessment of participation in children with Duchenne muscular dystrophy. American College of Sports Medicine 2009 Annual Conference, Seattle, WA, May 27-30, 2009 (interactive poster presentation).

Bendixen, R., Senesac, C., Mathur, S., Lott, D., Deol, J., & Vandenborne, K.
Relationships Between Strength, Function, Participation in Activities and Quality of Life in Ambulatory Boys with Duchenne Muscular Dystrophy. American Occupational Therapy Association 2009 Annual Conference, Houston, TX., April 23-26, 2009.

Bendixen, R., Senesac, C., Mathur, S., Lott, D., Deol, J., & Vandenborne, K.
Impact of Muscle Dysfunction on Participation and Quality of Life in Boys with Duchenne Muscular Dystrophy. Society for Research in Child Development 2009 Meeting, Denver, CO, April 2-5, 2009 (interactive poster presentation).

Bendixen, R., Senesac, C., Mathur, S., Lott, D. & Vandenborne, K.
Interrelationships between Function, Participation and Quality of Life in Boys with Duchenne Muscular Dystrophy. American Physical Therapy Association Combined Sections Meeting 2009, Las Vegas, NV, February 9-12, 2009 (interactive poster presentation).

Bendixen, R. In-Home Training for Fathers of Children with Autism. American Occupational Therapy Association's 88th Annual Conference, Long Beach, CA, April 10-13, 2008.

Bendixen, R. Occupational Therapy's Role in Prevention and Treatment of Childhood Obesity. American Occupational Therapy Association's 88th Annual Conference, Long Beach, CA, April 10-13, 2008.

Bendixen, R. Telerehabilitation Reduces Healthcare Costs and Enhances Functional Performance of Chronically Ill Elders. Gerontological Society of America's 59th Annual Scientific Meeting, Dallas, TX, November 16-23, 2006.

Classen, S., Shechtman, O; Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., Justiss, M., Posse, C., McCarthy, D., Mann, W. The Impact of Roadway Intersection Design on Driving Performance of Young and

Senior Adults. Gerontological Society of America's 59th Annual Scientific Meeting, Dallas, TX, November 16-23, 2006 (interactive poster presentation).

Shechtman, O., Classen, S., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., McCarthy, D., Mann, W. The Impact of Intersection Design on Simulated Driving Performance of Young and Senior Adults. 4th Annual STISIM Drive User Group Meeting: New Approaches to Simulation and the Older Operator, Boston, MA, October 27, 2006.

Mann, W., & Bendixen, R. Looking to the Future of People Aging with a Disability: The "Smart Home". The State of the Science Conference on Aging with a Disability: Implications for Practice, Research and Policy, Portland, OR, September 7-8, 2006.

Bendixen, R. Two Models of Care Coordination for Chronically Ill Veterans Compared to Standard Care: Health, Functional Status, and QOL Outcomes. Care Coordination/Home Telehealth Leadership Forum, Denver, CO, June 2-7, 2006 (interactive poster presentation).

Bendixen, R., & Witte, M. OT Participation in Consumer Information Dissemination and Support: The University of Florida AlzOnline Project. American Occupational Therapy Association 86th Annual Conference, Charlotte, NC, April 27-30, 2006 (interactive poster presentation).

Bendixen, R. Telerehabilitation as a Novel Mechanism to Reduce Healthcare Costs and Enhance Functional Performance. International Conference on Aging, Disability and Independence, St. Petersburg, FL, February 1-4, 2006.

Bendixen, R., Usiak, D., & Mann, W. Centers for Independent Living Pathfinder for Services & Programs for Older Americans. International Conference on Aging, Disability and Independence, St. Petersburg, FL, February 1-4, 2006.

Bendixen, R., & Loomis, J. Practical Information for Caregivers of Persons with Alzheimer's Disease-A web-based approach. Department of Elder Affairs 2004 Best Practices Exchange, Tampa, FL, December 8-9, 2004.

Bendixen, R., Mann, W., & Levy, C. Home Monitoring for Veterans with Low ADL Performance. RESNA 27th International Conference on Technology & Disability, Orlando, FL, June 19-21, 2004 (interactive poster presentation).

Bendixen, R., & Mann, W. Care Coordination to Promote Independence through the Low ADL Monitoring Program (LAMP). American Occupational Therapy Association 84th Annual Conference, Minneapolis, MN, May 20-23, 2004.

Bendixen, R., Mann, W., Chumbler, N., & Levy, C. Care Coordination and Technology to Promote Independence through Project L.A.M.P. Care Coordination and

Telehealth Leadership Forum 2004, St. Petersburg, FL, February 16-18, 2004 (interactive poster presentation).

Bendixen, R., Mann, W., & Chumbler, N. Home Monitoring for Veterans with Low ADL Performance. High Technology Pre-conference Intensive on Device and Computer Usability, International Conference on Aging, Disability, and Independence, Washington, DC, December 3-5, 2003.

Bendixen, R., Mann, W., & Chumbler, N. Care Coordination and Technology to Promote Independence. International Conference on Aging, Disability, and Independence, Washington, DC, December 3-5, 2003.

Bendixen, R., Mann, W., & Chumbler, N. Telerehabilitation through Project LAMP. American Telehealth Association Remote Telemonitoring and Home Telehealth Forum, Ft. Lauderdale, FL, September 14-16, 2003.

Bendixen, R., Mann, W., & Chumbler, N. Low ADL Monitoring Program: Combining Traditional and Advanced Technologies to Promote Independence for Veterans with Activities of Daily Living (ADL) Dependence. Care Coordination and Telehealth Leadership Forum, St. Petersburg, FL, February 5-7, 2003 (interactive poster presentation).

INVITED LECTURES

Bendixen, R., Senesac, C., & Hermson, M. Duchenne Muscular Dystrophy-Innovative Research Designs AND *DARIUS GOES WEST*. Shands Hospital/UF Physical Therapy Rehabilitation Seminar Series, July 23, 2009, University of Florida, Gainesville, FL.

Bendixen, R. AOTA / AOTF Workshop-Innovative Research and the Career Pathways of Scientists. American Occupational Therapy Association 2009 Annual Conference, Houston, TX, April 23-26, 2009.

Bendixen, R., & Witte, M. Caregiver Activities for the Person with Dementia; Alzheimer's Association of North Florida, October 23, 2007, Gainesville, FL.

Bendixen, R., & Witte, M. Occupational Therapy for Adults with Chronic Disease. 2006 Myositis Annual Meeting, August 31-September 2, 2006, Orlando, FL.

Bendixen, R. Assistive Technology and Environmental Modifications; University of Florida, College of Public Health & Health Professions, Department of Rehabilitation Counseling: Medical and Psychosocial Aspects of Disability Course, September 15, 2005, and September 12, 2006, Gainesville, FL.

Witte, M. & Bendixen, R. Occupational Therapy and Fall Prevention; University of Florida, College of Pharmacy: Geriatric Drug Use and Long-term Care Course, April 5, 2005, Gainesville, FL.

Bendixen, R. Home Modifications for Post-Stroke Survivors: Making Your Home More Stroke Friendly; Brain Rehabilitation Research Center (BRRC), V.A. Medical Center, July 16, 2004, Gainesville, FL.

ARTICLES

Ferdig, R.E., Elder, J.H, Valcante, G., Donaldson, S., & Bendixen, R. (2009). Autism and family interventions: The use of the Internet to train fathers of autistic children. *International Journal of Web-Based Learning and Teaching Technologies* (accepted for publication).

Bendixen, R., Levy, C., Olive, E., Kobb, R., & Mann, W. (2009). Cost effectiveness of a telerehabilitation program to support chronically ill and disabled elders in their homes. *Telemedicine and e-Health*, 15(1), 31-38.

Ferdig, R.E., Amberg, H.G., Elder, J.H, Valcante, G., Donaldson, S., & Bendixen, R. (2008). The development of a web-based platform for fathers of children with autism. *Learning Technology* [Online serial], 10(2), 11-15.

Bendixen, R., Levy, C., Lutz, B., Horn, K., Chronister, K., & Mann, W. (2008). A telerehabilitation model for victims of polytrauma. *Rehabilitation Nursing*, 33(5), 215-220.

Classen, S., Shechtman, O., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., Justiss, M., Posse, C., McCarthy, D., & Mann, W. (2007). The impact of roadway intersection design on driving performance of young and senior adults. *Traffic Injury Prevention*, 8, 1-10.

Bendixen, R., Horn, K., & Levy, C. (2006). Using telerehabilitation to support chronically ill elders in their homes. *Topics in Geriatric Rehabilitation*, 23(1), 47-51.

Classen, S., Shechtman, O., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., McCarthy, D., Mann, W. (2006). The impact of roadway intersection design on driving performance of young and senior adults: Preliminary results. *Topics in Geriatric Rehabilitation*, 22(1), 18-26.

Shechtman, O., Classen, S., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., McCarthy, D., Mann, W. (2006). The impact of intersection design on simulated driving performance of young and senior adults: Preliminary results. *Topics in Geriatric Rehabilitation*, 22(1), 27-35.

Bendixen, R., Mann, W., & Tomita, M. (2005). Relationship of home range to functional status and cognitive status of frail elders. *Physical and Occupational Therapy in Geriatrics*, 23(2/3), 43-62.

Levy, C.E., Berner, T.F., & Bendixen, R. (2005). Rehabilitation for individuals with fibrodysplasia ossificans progressiva. *Clinical Reviews in Bone and Mineral Metabolism*, 3(3/4), 251-256.

BOOK CHAPTERS

Johnson, J., & Bendixen, R. (2005). Telehealth. In W.C. Mann (Ed.), *Smart Technology for Independence, Aging and Disability: The State of the Science*, Vol. 1. New York: Wiley.

Bendixen, R., Mann, W., & Tomita, M. (2005). Relationship of home range to functional status and cognitive status of frail elders. In W.C. Mann (Ed.), *Community Mobility: Driving and Transportation Alternatives for Older Persons*. New York: Hawthorn Press.

GRANTS

Public Health & Health Professions Model Program Demonstration Project, 2009-2010. Perspectives of Activity Participation and Social Environmental Factors in Families with Boys with Duchenne Muscular Dystrophy. PI: R. Bendixen.

Clinical and Translational Science Institute, Co-Principal Investigator, 2008-2009. A Global Metabolomic Approach to Pediatric Neuro-Metabolomic Disorders. PI's: R.Yost, P. Stacpoole, P. Borum, J. Elder.

National Center for Medical Rehabilitation Research and the National Institute of Neurological Disorders and Stroke (K12 HD055929) Rehabilitation Research Career Development Program Award, 2008-2010.

Area Health Education Center, Co-Investigator, 2008. Tobacco-Free Center for Independent Living.

National Institute of Nursing Research, NIH-R01, Co-Investigator, 2007-2009. Fathers as In-Home Trainers of Autistic Children.

Rehabilitation Outcomes Research Center, Veteran's Administration Pre-Doctoral Associated Health Rehabilitation Research Fellowship, 2005-2006. Telerehabilitation as a Novel Mechanism to Reduce Healthcare Costs and Enhance Functional Performance.

Department of Veterans Affairs, Veterans Health Administration, Sub-Investigator, 2006. Health Services Research and Development Service Stroke Quality Enhancement Research Initiative (QUERI).

MENTORED TRAINEES

Doctoral Program in Rehabilitation Science:

- 1) Consuelo Kreider
- 2) Yoonjeong Lim

Distance Learning Masters in Occupational Therapy:

- 1) Donna Kortyka (2004). A cognitive approach to learning problem solving with visually impaired students: A pilot study.
- 2) Erin Kimberly Thompson (2006). Impact of assistive technology on the school performance of young children with disabilities.
- 3) Michelle Wildman (2007). The effects of a sensory integrative approach on attention to functional seated tasks with pre-kindergarten students in the classroom environment.
- 4) Lana Watson (2007). Evidence-based practice: How to have a successful, therapist-centered journal club.
- 5) Stacey Schuette (2007). The efficacy of assistive technology for literacy support.
- 6) Cara Weaver (2008). The connection between literacy, handwriting and Occupational Therapy.
- 7) Jessica Hensen (2009). Treatment methods for therapists, teachers and parents for children with attachment disorders.

Honors Students

- 1) Magdalena Love (2008-09)
- 2) Jen Halpern (2008-09)
- 3) Amanda Duncan (2008-09)
- 4) Karen Pecoraro (2009-2010)
- 5) Kasie Zink (2009-2010)

University Minority Mentor Program

- 1) Justine Boyce (2008-2009)