

CURRICULUM VITAE

Name: Dorian K. Rose

Address: Department of Physical Therapy
College of Public Health and Health Professions
University of Florida
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North Florida/South Georgia VHS
Brain Rehabilitation and Research Center, 151A
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Education

2004 University of Southern California
Los Angeles, California
Ph.D., Biokinesiology

1993 University of North Carolina at Chapel Hill
Chapel Hill, North Carolina
M.S., Human Movement Science

1987-90 University of Pittsburgh
Pittsburgh, Pennsylvania
(Graduate Coursework)

1985 Daemen College
Buffalo, New York
B.S., Physical Therapy

Licensure: Physical Therapist; State of Florida; PT24479

Certifications: Neurodevelopmental Treatment Association

Employment and Positions Held

2023- Research Professor
Department of Physical Therapy
Rehabilitation Science Doctoral Program
College of Public Health and Health Professions
Rehabilitation Scientist, Brooks-UF/PHP Collaboration
University of Florida

2021- Faculty Member
BRAIN (UF Brain Injury, Rehabilitation and Neuroresilience) Center
Department of Neurology
University of Florida

2020- T32 Trainee Mentor
Translational Research Training on Aging and Mobility
NIH Training Initiative
Institute on Aging
College of Medicine
University of Florida

2018- T32 Trainee Mentor
Neuromuscular Plasticity Training Program
Rehabilitation Sciences Doctoral Program
University of Florida

2017-2023 Research Associate Professor
Department of Physical Therapy
Rehabilitation Science Doctoral Program
College of Public Health and Health Professions
Rehabilitation Scientist, Brooks-UF/PHPH Collaboration
University of Florida
Gainesville, Florida

2007-2017 Research Assistant Professor
Department of Physical Therapy
Rehabilitation Science Doctoral Program
College of Public Health and Health Professions
Rehabilitation Scientist, Brooks-UF/PHPH Collaboration
University of Florida
Gainesville, Florida

2010- Research Health Scientist
Brain Rehabilitation and Research Center
North Florida/South Georgia Veterans Health System
Gainesville, Florida

2005-2007 Research Assistant Professor
Department of Aging and Geriatric Research
College of Medicine
University of Florida
Gainesville, Florida

2005 Research Health Scientist
Rehabilitation Outcomes Research Center
North Florida/South Georgia Veterans Health System
Gainesville, Florida

2000-2004 Graduate Research Assistant, NIH-NICHD Grant, "Extremity Constraint

- Induced Therapy Evaluation”
University of Southern California
Los Angeles, California
- 1999- 2000 Graduate Research Assistant, NIH-NICHHD Grant, “Recovery and Rehabilitation of Arm Use After Stroke,”
University of Southern California
Los Angeles, California
- 1997-98 Graduate Research Assistant, Motor Control Development Laboratory,
University of Southern California
Los Angeles, California
- 1994 -97 Operations Manager
Functional Assessment Laboratory
UCLA Medical Center
Los Angeles, California
- 1992-94 Senior Research Physical Therapist, "Do Changes in Strength Improve Balance and Function in Elderly Women and Men?"
VA Rehab R&D Grant, E661-RA
Veteran’s Administration Medical Center
Durham, North Carolina
- 1990-92 Graduate Research Assistant, "The Effects of Isokinetic Exercise on Motor Control in Spastic Hemiplegia”
Foundation for Physical Therapy Grant
University of North Carolina-Chapel Hill
Chapel Hill, North Carolina
- 1991-92 Research Physical Therapist, “Dizziness in a Rural Primary Care Population,”
National Institute on Aging Grant
University of North Carolina-Chapel Hill
Chapel Hill, North Carolina

Additional Teaching Positions

- 2017 Medbridge (Instructor)
Predicting Recovery and Setting Appropriate Upper Extremity Goals Post-Stroke
Upper Extremity Intervention Strategies Along the Post-Stroke Continuum
Therapeutic Exercise Post-Stroke: Guided by Principles of Neuroplasticity
- 2016 Allied Health Media (Instructor)
Update on the Upper Extremity: Beyond Constraint Induced Therapy
Stroke Webinar Series
- 2012 Universidad Nacional Autonoma Nicaragua
Using Objective Measurement to Improve Outcomes in Stroke Rehabilitation

Managua, Nicaragua

- 2012 Utica College
Post-Professional DPT Program
Update in Neurological Physical Therapy
Sarasota, FL
- 2011 University of Florida/Shands Rehabilitation Neurologic Residency
Stroke Assessment Toolbox
*Locomotor Experience Applied Post-Stroke (LEAPS): What Does
the Outcome of the LEAPS RCT Mean to the Physical Therapist?*
Gainesville, FL
- 2009 HealthCare Professions Seminars (Instructor)
*Moving Stroke Rehabilitation Forward – Bringing Advances in
Neuroscience into Clinical Practice*
Tampa, FL
- 2008 - 2011 University of North Florida (Guest Lecturer)
Department of Athletic Training and Physical Therapy
Management of the Hemiplegic Upper Extremity Post-Stroke
- 2006 - University Florida (Research Assistant Professor)
College of Public Health and Health Professions
Department of Physical Therapy
PHT 6716 Neurological Rehabilitation
- 2005 University Florida (Courtesy Clinical Lecturer)
College of Public Health and Health Professions
Department of Physical Therapy
PHT 6319C Neurological Rehabilitation; Stroke Unit
- 2005 University of Florida (Lecturer)
School of Medicine
Department of Neurology
Resident Lecture Series
Upper Extremity Rehabilitation Post-Stroke
- 2003-2005 Dogwood Institute (Instructor)
Motor Learning and the Neurologic Patient
St. Louis, MO; Columbus, OH; Macon, GA, Fresno, CA
- 1997-2003 University of Southern California (Teaching Assistant)
Department of Biokinesiology and Physical Therapy
PT 618L Seminar in Advanced Neurologic Rehabilitation
PT 627 Management of the Pediatric Patient
PT 581 Clinical Management of the Neurologically Involved
Patient
PT 514L Human Gross Anatomy
PT 646L Observational Gait Analysis

- 1995-2003 Mt. St. Mary's College (Instructor)
Program in Physical Therapy
PT 223 Management of the Neurological Patient
PT 240B Advanced Patient Management: Neurologic
- 1995-96 Loma Linda University (Lab Assistant)
Department of Physical Therapy
PNF Approach to Therapeutic Exercise
- 1995-97 Chapman University (Guest Lecturer)
Division of Physical Therapy
Treadmill Training with Body Weight Support: Potential for
Intervention in the Neurologic Population
- 1993-94 Duke University (Assistant Instructor)
Program in Physical Therapy
PT 320 Evaluation and Therapeutic Procedures I
PT 322 Evaluation and Therapeutic Procedures III

University of Florida Post-Doctoral Mentees

<u>Fellow</u>	<u>Area of Concentration</u>	<u>Dates</u>
Sudeshna Chatterjee	Aging and Mobility	2017-2021
Brianne Borgia	Aging and Mobility	2021-2023
Clayton Swanson	Aging and Mobility	2020-present
Chang Liu	Neuro-Engineering	2022-present

University of Florida Graduate Committee Roles

<u>Student</u>	<u>Role</u>	<u>Major</u>	<u>Complete Date</u>
O. Adegbemigun	Committee Chair	Rehab Science	Dec. 2025 (expected)
Walter Barrutia	Committee Member	Engineering	May 2025 (expected)
Sharon Mburu	Committee Member	Rehab Science	Dec. 2024 (expected)
Tinuade Olarewaju	Committee Member	Rehab Science	Dec. 2024 (expected)
Jaewon Kang	Committee Member	Rehab Science	May 2023
Kanika Bansal	Committee Chair	Rehab Science	December 2021
Kelly Hawkins	Committee Member	Rehab Science	December 2020
S. Chatterjee	Committee Member	Rehab Science	August 2017
Julie Watson	Committee Member	Public Health	December 2015

Clinical

- 2023- Consultant
MedRhythms, Inc.
Boston, Massachusetts
- 2023- Consultant
Eversana, LLC
New York, New York
- 2017-2020 Faculty Supervisor
University of Florida Equal Access Clinic

2015 Consultant
Acorda Therapeutics, Inc.
Pearl River, New York

2014 Consultant
Lakeland Regional Health
Lakeland, Florida

2009 Consultant
Brooks Stroke Wellness Program
Brooks Rehabilitation Center
Jacksonville, Florida

1994 -2004 Physical Therapist
Neurological Rehabilitation and Research Unit
UCLA Medical Center
Los Angeles, California

1991-92 Physical Therapist
University of North Carolina Faculty Practice
University of North Carolina Hospital
Chapel Hill, North Carolina

1991-92 Physical Therapist (prn)
North Carolina Memorial Hospital
Chapel Hill, North Carolina

1991 Physical Therapist
Balance/Dizziness Clinic for Older Adults
University of North Carolina-Chapel Hill
Chapel Hill, North Carolina

1985-90 Physical Therapist
Harmarville Rehabilitation Center
Pittsburgh, Pennsylvania

Peer Reviewed Publications

Manuscripts

Rose DK, Brunetti G, Hoisington, JB, Cavka K, Snyder H, Xue W, Smith BK. Augmenting a Post-Stroke Wellness Program with Respiratory Muscle Training: Protocol for a Randomized Controlled Trial. BMC Sports Science, Medicine and Rehabilitation. Submitted; in review.

Bansal K, Morgan-Daniel J, Chatterjee SA, **Rose DK**. Factors Affecting Community Ambulation Post-Stroke: A Scoping Review Protocol. JBI Evidence Synthesis. Submitted; in review.

Bansal K, Clark DJ, Fox EJ, **Rose DK**. Role of Subjective and Objective Measurement of Perceived Challenge of Walking in Community Ambulation Post-Stroke. Nature:

Scientific Reports. Submitted; in review.

Bansal K, Vistamehr A, Conroy CL, Fox EJ, **Rose DK**. The Influence of Backward versus Forward Locomotor Training on Gait Speed and Balance Control Post-Stroke: Recovery or Compensation. J Biomechanics. 2023 May 19;155:111644. doi: 10.1016/j.jbiomech.2023.111644.

Bradford EH, Fell N, Zablony C, **Rose DK**. Essential Competencies in Neurologic Physical Therapist Education. J Neurol Phys Ther. 2023 May 11. doi: 10.1097/NPT.0000000000000441.

Howland DR, Trimble SA, Fox EJ, Tester NJ, Spiess MR, Senesac CR, Kleim JA, Spierre LZ, **Rose DK**, Johns JS, Ugiliweneza B, Reier PJ, Behrman AL. Recovery of Walking in Non-Ambulatory Children with Chronic Spinal Cord Injuries: Case Series. J Neuroscience Research. 2023 Jun;101(6):826-842. doi: 10.1002/jnr.25162. Epub 2023 Jan 23.

Bansal K, Clark DJ, Conroy C, Freeborn P, Fox EJ, **Rose DK**. Spatiotemporal Strategies Adopted to Walk at Fast Speed in High- and Low-functioning Individuals Post-Stroke: a cross-sectional study. Topics in Stroke Rehabilitation. 2023 Jan;30(1):1-10. doi:10.1080/10749357.2021.2008593, Epub 2022 Jan 4.

Sood P, Chatterjee SA, Skinner JW, Lysne PE, Sumonthee C, Wu SS, Cohen RA, **Rose DK**, Woods AJ, Clark DJ. Somatosensory Impairment of the Feet is Associated with Higher Activation of Prefrontal Cortex During Walking in Older Adults. Exp Gerontology. 2022 May 27;165:111845. doi: 10.1016/j.exger.2022.111845.

DeMark LA, Fox EJ, Manes MR, Conroy C, **Rose DK**. The 3-Meter Backward Walk Test (3MBWT): Reliability and Validity in Individuals with Subacute and Chronic Stroke. Physiotherapy Theory and Practice. 2022 Jun 5:1-8. doi: 10.1080/09593985.2022.2085638.

Chatterjee SA, Seidler RD, Skinner JW, Lysne PE, Sumonthee C, Wu SS, Cohen RA, **Rose DK**, Woods AJ, Clark DJ. Effects of prefrontal tDCS on retention of performance gains on an obstacle negotiation task in older adults. Neuromodulation. 2023 Jun;26(4):829-839. doi: 10.1016/j.neurom.2022.02.231. Epub 2022 Apr 8. PubMed PMID: 35410769; PubMed Central PMCID: PMC9547038.

Nagaraja N, Kraus AR, Rose DK, Olasoji EB, Khanna AY, Simpkins AN, Wilson CA, Dickens RR, Hedna, VS, Geis C, Youn T, Musalo MM. Benefits of an interdisciplinary Stroke Clinic: addressing a Gap in Physical Therapy at Post-Stroke Neurology Follow-up. Disability and Rehabilitation. 2021 Dec 6:1-6. PMID: 34871115
DOI: [10.1080/09638288.2021.2008527](https://doi.org/10.1080/09638288.2021.2008527)

Boissoneault C, **Rose DK**, Grimes T, Waters MF, Khanna A, Datta S, Daly JJ. Trajectories of Stroke Recovery of Impairment, Function, and Quality of Life in Response to 12-Month Mobility and Fitness Intervention. NeuroRehabilitation. 2021;49(4):573-584. PMID: 34806625 DOI: [10.3233/NRE-210147](https://doi.org/10.3233/NRE-210147)

Wen PS, Mackey J, **Rose DK**, Waid-Ebbs J. Smartphone Application for measuring Community Participation in Veterans with Traumatic Brain Injury . OTJR: Occupation, Participation and Health. 2021 Jul;41(3):196-205. doi: 10.1177/15394492211004159.

Clark DJ, **Rose DK**, Butera KA, Hoisington B, DeMark L, Chatterjee S, Hawkins KA, Otzel D, Skinner J, Christou E, Wu SS, Fox EJ. Walking rehabilitation with accurate tasks or steady state training produce similar functional benefits: a randomized clinical trial in adults post-stroke. Clinical Rehabilitation. 2021 Aug;35(8):1196-1206. doi: 10.1177/02692155211001682.

Bansal K, Clark DJ, Fox EJ, **Rose DK**. Does falls efficacy influence the relationship between forward and backward walking speed after stroke? Physical Therapy. 2021 May 4;101(5):pzab050. [https://doi: 10.1093/ptj/pzab050](https://doi.org/10.1093/ptj/pzab050).

Chatterjee SA, Seidler RD, Skinner JW, Lysne PE, Sumonthee C, Wu SS, Cohen RA, **Rose DK**, Woods AJ, Clark DJ. Obstacle negotiation in older adults: prefrontal activation interpreted through conceptual models of brain aging. Innovation in Aging. 2020 Aug 10;4(4):igaa034. doi: 10.1093/geroni/igaa034. eCollection 2020.

Clark DJ, Chatterjee SA, Skinner JW, Lysne PE, Sumonthee C, Wu SS, Cohen RA, **Rose DK**, Woods AJ. Combining frontal tDCS with walking rehabilitation to enhance mobility and cognition: a pilot clinical trial. Neuromodulation: Technology at the Neural Interface. Neuromodulation. 2021;24:950-959. <https://doi.org/10.1111/ner.13250>

Boissoneault C, Grimes T, **Rose DK**, Waters M, Khanna A, Datta S, Daly JJ. Innovative Long-Dose Neurorehabilitation for Balance and Mobility in Chronic Stroke: A Preliminary Case Series. Brain Sci. 2020, 10(8), 555; <https://doi.org/10.3390/brainsci10080555>

DeMark L, Spigel P, Osborne J, Fox EJ, **Rose DK**. Clinical Application of Backward Walking Training to Improve Balance and Walking Function in Acute Stroke: A Case Series. Topics in Stroke Rehabilitation. 2019. 26(7): 497-502. <https://doi.org/10.1080/10749357.2019.1641011>

Chatterjee SA, Fox EJ, Daly JJ, **Rose DK**, Wu SS, Christou EA, Hawkins KA, Otzel DM, Butera KA, Skinner JW, Clark DJ. Interpreting prefrontal recruitment during walking after stroke: influence of individual differences in mobility and cognitive function. Frontiers in Human Neuroscience. 2019. June 18; 13:194. <https://doi.org/10.3389/fnhum.2019.00194>

Chatterjee SA, **Rose DK**, Porges EC, Otzel DM, and Clark DJ. A perspective on objective measurement of the perceived challenge of walking. Frontiers in Human Neuroscience. 2019. May 14; 13:161. <https://doi.org/10.3389/fnhum.2019.00161>.

Hawkins KA, Balasubramanian CK, Vistamehr A, Conroy C, **Rose DK**, Clark DJ, Fox EJ. Assessment of backward walking unmasks mobility impairments in post-stroke community ambulators. Topics in Stroke Rehabilitation. 2019. 26(5): 382-388. <https://doi.org/10.1080/10749357.2019.1609182>

Chatterjee SA, Daly JJ, Porges EC, Fox EJ, **Rose DK**, McGuirk TE, Otzel DM, Butera

KA, and Clark DJ. Mobility function and recovery after stroke: preliminary insights from sympathetic nervous system activity. Journal of Neurologic Physical Therapy, 2018. 42(4):224-232.

Hawkins KA, Fox EJ, Daly JJ, **Rose DK**, Christou EA, McGuirk TE, Otzel DM, Butera KA, Chatterjee SA, Clark DJ. Prefrontal Over-activation during Walking in People with Mobility Deficits: Interpretation and Functional Implications. 2018. Human Movement Science. 59:46-55.

Rose DK, DeMark L, Fox EJ, Clark DJ, Wludyka, P. A Backward Walking Training Program to Improve Balance and Mobility in Acute Stroke: A Pilot Randomized Controlled Trial. Journal of Neurologic Physical Therapy. 2018. 42(1):12-21.

Rose DK, Nadeau SE, Wu SS, Tilson JK, Dobkin BH, Pei, Q, Duncan PW. Locomotor Training and Strength and Balance Exercises for Walking Recovery Post-Stroke: Response to Number of Training Sessions. Physical Therapy. 2017. 97(11):1066-1074.

Hershberg JA, **Rose DK**, Tilson JK, Brusch BM, Correa AC, Gallichio J, McLeod MA, Moore CA, Wu SS, Duncan PW, Behrman AL for the LEAPS Investigative Team. Interface of clinical decision-making with study protocols for knowledge translation of a walking recovery trial. Journal of Neurologic Physical Therapy. 2017. 41(1):59-67.

Foster HE, DeMark L, Spigel PM, **Rose DK**, Fox EJ. The effects of backward walking training on balance and mobility in a person with chronic incomplete spinal cord injury: A case report. Physiotherapy Theory and Practice. 2016.Oct;32(7):536-45.

Chumbler NR, Li X, Quigley P, Morey MC, **Rose DK**, Griffiths P, Sanford J, Hoenig H. A randomized controlled trial on Stroke telerehabilitation: The effects on falls self-efficacy and satisfaction with care. Journal of Telemedicine and Telecare. 2015. 21(3): 139-143.

Nadeau SE, **Rose DK**, Dobkin BH, Wu SS, Dai YE, Schofield R, Duncan PW. Likelihood of Myocardial Infarction during Stroke Rehabilitation Preceded by Cardiovascular Screening and an Exercise Tolerance Test: The LEAPS Experience. International Journal of Stroke. 2014. 9(8):1097-1104.

Clark DJ, **Rose DK**, Ring SA, Porges EC. Utilization of central nervous system resources for preparation and performance of complex walking tasks in older adults. Front Aging Neurosci. 2014. 6:217.

Rose DK, Patten C, McGuirk TE, Lu X, Triggs WJ. Does Inhibitory Repetitive Transcranial Magnetic Stimulation Augment Functional Task Practice to Improve Arm Recovery in Chronic Stroke? Stroke Treatment and Research. 2014;2014:305236.

Rose DK. Being Deliberate in Post-Acute Stroke: Strategies to Redeem the Time. Topics in Stroke Rehabilitation. 2014.21(4):281-289.

Dobkin BH, Nadeau SE, Behrman AL, Wu SS, **Rose DK**, Bowden MA, Studenski S, Lu X, Duncan PW. Prediction of responders to the interventions of the Locomotor Experience Applied Post-Stroke Clinical Trial. Journal of Rehabilitation Research and Development. 2014. 51(1):39-50.

Rose DK, Winstein CJ. Temporal Assimilation is More Robust than Spatial Assimilation: An Investigation of Interlimb Coordination after Stroke. Journal of Motor Behavior 2013; 45(4):313-324.

Rose DK, Schafer J, Conroy C. Extending the Continuum of Care Post-Stroke: Creating a Partnership to Provide a Community-Based Wellness Program. Journal of Neurologic Physical Therapy. 2013.37(2):78-84.

Sullivan JE, Crouner BE, Kluding PM, Nichols D, **Rose DK**, Yoshida R, Pinto-Zipp G. Outcome Measures for Individuals with Stroke: Recommendations from the Neurology Section Task Force. Physical Therapy.2013 Oct;93(10):1383-96.

Rose DK, Behrman AL, Nadeau SE, Martin AD, Schofield RS, Tilson JK, Wu SS, Cen SY, Lu X, Azen S, Duncan PW. Does Exercise Tolerance Testing at 60 days Post-Stroke Predict Rehabilitation Performance? Arch Phys Med Rehabil. 2013 Jul;94(7):1223-9.

Nadeau SE, Wu SS, Dobkin BA, **Rose DK**, Tilson JK, Azen SP, Duncan PW. Effects of task-specific and impairment-based training compared to usual care on functional walking ability after inpatient stroke rehabilitation: LEAPS trial. Neurorehabilitation Neural Repair. 2013 May;27(4):370-80.

Rose DK. Invited Discussant for podcast on: Nijland RH, van Wegen EE, Harmerling-van der Wel BC, Kwakkel G. Accuracy of Physical Therapists' Early Predictions Upper-Limb Function in Hospital Stroke Units: the EPOS Study. Physical Therapy. 2013. 93:460-469.

Behrman AL, Bowden MG, **Rose DK**. Clinical trials in neurorehabilitation. In Goode D and Barnes M eds. Handbook of Clinical Neurology, Vol. 110: 61-66. Elsevier; 2013.

Chumbler NR, Quigley P, Li X, Morey MC, **Rose DK**, Sanford J, Griffiths P, Hoenig H. Effects of Telerehabilitation of Physical Function and Disability for Stroke Patients: A Randomized, Controlled Trial. Stroke. 2012 Aug;43(8):2168-74.

Tilson JK, Wu SS, Cen SY, Feng Q, **Rose DK**, Behrman AL, Azen S, Duncan PW, for the LEAPS Investigative Team. Characterizing and Identifying Risk for Falls in the LEAPS Study: A Randomized Clinical Trial of Interventions to Improve Walking Post-Stroke. Stroke, 43:446-52, 2012.

Duncan PW, Sullivan KJ, Behrman AL, Azen SP, Wu SS, Nadeau SE, Dobkin BH, **Rose DK**, Tilson JK, Cen SY, and Hayden SK, for the LEAPS Investigative Team. Body-Weight-Supported Treadmill Rehabilitation after Stroke. New England Journal of Medicine, 364(21):2026-2036, 2011.

Sullivan KJ, Tilson JK, Cen SY, **Rose DK**, Hershberg J, Correa A, Gallichio J, McLeod M, Moore C, Wu SS, Duncan PW. Fugl-Meyer Assessment of Post-Stroke Sensorimotor Function: Standardized Training Procedure for Clinical Practice and Clinical Trials. Stroke. 42: 427-32, 2011.

Rose DK, Paris T, Crews E, Wu S, Aquino S, Behrman AL, Duncan PW. Feasibility and

Effectiveness of Circuit Training in Acute Stroke Rehabilitation. Neurorehabilitation and Neural Repair 25: 140-148, 2011.

Chumbler NR, **Rose DK**, Griffiths P, Quigley P, McGee-Hernandez N, Carlson, KA, Vandenberg P, Morey MC, Sanford, J, Hoenig H. Study protocol: home-based telehealth stroke care: a randomized trial for Veterans. Trials, 11:74, 2010.

Chumbler NR, Quigley P, Sanford J, Griffiths P, **Rose DK**, Morey MC, Ely EW, Hoenig H. Implementing tele-rehabilitation for Stroke rehabilitation with community dwelling veterans: Lessons Learned. International Journal of Telerehabilitation 2(1): 15-22, 2010.

Tilson JK, Sullivan KJ, Cen SY, **Rose DK**, Koradia CH, Azen SP, Duncan PW. Meaningful gait speed improvement during the first 60 days post-stroke: minimal clinically important difference. Physical Therapy 90(2):196-208, 2010.

Duncan PW, Sullivan KJ, Behrman AL, Azen SP, Wu SS, Nadeau SE, Dobkin BH, **Rose DK**, Tilson JK. Protocol for the Locomotor Experience Applied Post-stroke (LEAPS) trial: a randomized controlled trial. BMC Neurology, Nov 8; 7:39, 2007.

Wolf SL, Thompson PA, Morris DM, **Rose DK**, Winstein CJ, Taub E, Giuliani C, Pearson SL. The EXCITE Trial: Attributes of the Wolf Motor Function Test in Patients with Sub-acute Stroke. Neurorehabilitation and Neural Repair 19:194-205, 2005.

Rose DK, Winstein CJ. The coordination of bimanual symmetrical rapid aiming movements following stroke. Clinical Rehabilitation 19 (4): 452-462, 2005.

Rose DK, Winstein CJ. Bimanual training after Stroke: Are Two Hands better than One? Topics in Stroke Rehabilitation 11(4): 20-30, 2004.

Winstein CJ, **Rose DK**, Tan SM, Lewthwaite R, Chui HC, Azen SP. A Randomized Controlled Comparison of Upper Extremity Rehabilitation Strategies In Acute Stroke: Immediate And Longer-Term Outcomes. Archives of Physical Medicine and Rehabilitation, 85: 620-8, 2004.

Hassid E, **Rose DK**, Commisarow J, Guttry M, Dobkin BH. Improved Gait Symmetry in Hemiparetic Stroke Patients Induced During Body Weight-Supported Treadmill Stepping. Journal of Neurologic Rehabilitation, 11: 21-6, 1997.

Hughes MA, Duncan PW, **Rose DK**, Chandler JM, Studenski SA. The Relationship of Postural Sway to Sensorimotor Function, Functional Performance, and Disability in the Elderly. Archives of Physical Medicine and Rehabilitation, 77: 567-572, 1996.

Light KE, **Rose DK**, Purser JL. The Functional Reach Test for Balance: Strategies of Elderly Subjects With and Without Disequilibrium. Physical and Occupational Therapy in Geriatrics, 14: 39-52, 1996.

Light KE, Purser JL, **Rose DK**. The Functional Reach Test for Balance: Criterion-Related Validity of Clinical Observations. Issues on Aging, 28 (2): 5-9, 1995.

Proceedings

Chumbler NR, Li X, Quigley P, Morey MC, **Rose DK**, Griffiths P, Sanford J, Hoenig H. 2014. A home-based telerehabilitation randomized trial for stroke care: Effects on falls self-efficacy and satisfaction with care. Proceedings of the IEEE Int Conf Collaboration Technology & Systems; 436-440. [978-1-4799-5158-1].

Rose DK, Harkema SH, Dobkin BA. A Comparison of Body Weight Supported Treadmill Walking and Over ground Walking in Patients After Stroke. Neurology Report, 20 (2), p. 56-60, 1996.

Rose DK, Harkema SH, Hurley S, Yap, R Dobkin BA Electromyographic Responses to Loading of the Lower Limbs in Patients with Stroke. Neurology Report, 20 (2), p. 66-70, 1996.

Rose DK, Giuliani CA, Light KE. The Immediate Effects of Isokinetic Exercise on Selected Temporal Distance Characteristics of Self-Selected and Fast Hemiplegic Gait. Proceedings of the Neurology Section Forum on Physical Therapy Issues Related to CVA, p. 37-44, 1992.

Giuliani CA, **Rose DK**, Light KE. The Effects of an Isokinetic Exercise Program on the Performance of Sit-to-Stand in Patients with Hemiparesis. Proceedings of the Neurology Section Forum on Physical Therapy Issues Related to CVA, p. 49-56, 1992.

Peer Reviewed Scientific and Invited Presentations

Rose DK, Miller A, Holleran C, Bansal K. Walking Performance in Daily Life: Taking Steps Toward Successful Rehabilitation. Accepted for presentation at APTA 2024 Combined Sections Meeting, Boston, MA, February 14, 2024.

Rose DK, Fell N. Make Way for the Entry-Level Neurologic Physical Therapist Competencies. Academy of Neurologic Physical Therapy Annual Meeting, Minneapolis, MN, October 14, 2022.

Rose DK. Moving Forward with Backward Walking. UF Health Shands/Select Rehabilitation Hospital. August 25, 2022.

Bowden MG, Fox EJ, **Rose DK**. New Strategies in Gait Rehabilitation following Neurologic Injury. Brooks-PHHP Collaboration Research Connection. May 10, 2022.

Paris T, Fox EJ, **Rose DK**. Brooks Rehabilitation: Opportunities for Collaborative Research. University of Florida Brain Building Seminar Series, BRAIN Center, University of Florida. February 24, 2022.

Rose DK. Deeper Dive into Responders and Non-Responders. Academy of Neurologic Physical Therapy Annual Conference. September 8 – November 22, 2021.

Rose DK. Beyond Gait Speed: Regaining Health in the Presence of Post-Stroke Disability. Brooks-PHHP Collaboration Research Connection. March 9, 2021.

Rose DK. Backward Walking Training to Improve Gait Speed and Balance Confidence Following Stroke. Exercise and Rehabilitation Sciences Seminar Series. Marquette University, Milwaukee, WI. November 14, 2019.

Rose DK, Winstein CJ, Byl N, Fisher BE, Hershberg JH, Sanchez N, Tilson J, McKenzie A. Cutting Edge Evidence: Everything a Practicing Clinician Needs to Know to Improve Outcomes after Stroke. CPTA and PT Fund Research Symposium, Long Beach, CA. April 27-28, 2019.

Rose DK, Bowden MG, Phadke C, Balasubramanian C. From System Impairments to Participation Barriers: Gait Rehabilitation across the Spectrum. 95th Annual American Congress of Rehabilitation Medicine Annual Conference, Dallas, TX, September 30, 2018.

Rose DK, Horak F, Gordon J. 2018 Eugene Michels Forum. Current Wave of Technology: Should we Ride it or Should We Start Paddling? Combined Sections Meeting, APTA, February 24, 2018, New Orleans, LA.

Bland MD, **Rose DK**, Zipp G, Byl N, Capo-Lugo C, Anderson H, Sulwer M, Yoshida R. EDGE-ucation 2.0: Moving Forward the Value of Physical Therapy. 2017 Education Leadership Conference, Columbus, OH, October 15, 2017

Demark L, **Rose DK**. A Novel Strategy to Improve Gait and Increase Fall-Related Efficacy Post-Stroke. 2016 Brooks Annual Research Day, November 3, 2016, Jacksonville, FL.

Howarth J, Bauer A, Carey-Love S, Lenzo M, Taylor, A, Trang B, Fox EJ, Vistamehr A, Conroy C, **Rose DK**. Improved motor recovery, gait speed, and gait parameters following backwards walking training in an individual post-stroke. 2016 Brooks Annual Research Day, November 3, 2016, Jacksonville, FL.

Clark DJ, Fox EJ, **Rose DK**, Christou EA, Nadeau SE, Ring SA and Daly JJ. fNIRS neuroimaging during walking reveals high demand for executive locomotor control after stroke. Veterans Affairs Research Day, Gainesville Florida, May 15, 2015.

Ring SA, Fox EJ, **Rose DK**, Christou EA, Nadeau SE, Daly JJ and Clark DJ. fNIRS neuroimaging during walking reveals high demand for executive locomotor control after stroke. Society for Neuroscience, North Central Florida Chapter Conference, Gainesville Florida, March 20, 2015.

Rose DK, McGuire K, Patten C, Triggs WJ. Non-Invasive Brain Stimulation to Enhance Arm Recovery Post-Stroke. 2014 Brooks Annual Research Day, October 22, 2014, Jacksonville, FL.

Rose DK, Rajaravivarma R, Rawlings S, Clark DJ. Developing the use of skin conductance as an objective physiological indicator of locomotor recovery after stroke. 2014 Brooks Annual Research Day, October 22, 2014, Jacksonville, FL.

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Rose DK. The Impact of Cardiopulmonary Status on Mobilization in Stroke Rehabilitation. Stroke Rehabilitation: Clinical Trials and Research Update. New York-Presbyterian Hospital/Weill Cornell Medical College, Nov. 4, 2011, New York, NY.

Rose DK. Brain Calisthenics - Creating an Environment for Change. Stroke Care Across the Continuum 2011 for American Heart Association and West Coast Acute Stroke Council. St. Petersburg College, Oct. 28, 2011, St. Petersburg, FL.

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Rose DK. Training the Brain: Moving Stroke Rehabilitation Forward. Florida State Association of Rehabilitation Nurses, Orlando, FL, May 8, 2009.

Rose DK. Effective Stroke Rehabilitation: Are we being the Coaches our Patients Need? Florida Physical Therapy Association Spring Conference, Orlando, FL, March 21, 2009.

Rose DK. New Approaches to Rehabilitation. Stroke Belt Consortium, American Heart Association, Orlando, FL, December 16, 2008.

Rose DK. Update in Stroke Rehabilitation – Promoting an Environment for our Patients to Learn. Neural Perspectives '08: Changing the Face of Stroke, Oklahoma City, OK, September 19, 2008.

Rose DK, Sullivan KA. Stroke Concentrated Education Series. Task-Specific Strategies for Upper Limb and Walking Recovery. American Physical Therapy Association Annual Meeting, San Antonio, TX June 14, 2008.

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Rose DK. Stroke Rehabilitation – Moving Forward with Advances in Clinical Neuroscience Physical Therapy Association of Washington Spring Conference, Seattle, WA, April 26, 2008.

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Association, Nashville, TN, Feb. 8, 2008.

Rose DK. Interventions and Strategies to Promote Neuroplasticity in Individuals with Neurologic Disorders. Utah Chapter APTA Annual Conference, Park City, UT, November 9-10, 2007.

Rose DK. Clinical Approach to Enhance Neural Recovery. Utah Stroke Symposium, Salt Lake City, UT, March 24, 2006.

Rose DK. One Hand or Two?: Designing Interventions for Successful Outcomes Post-Stroke. Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb. 3, 2006

Rose DK. Stroke Rehabilitation - Practice and Progress: Not Standing Still. Arizona Physical Therapy Association Neuro Update, Phoenix, AZ, January 28, 2006.

Whitall J, Winstein CJ, **Rose DK**, McCombe-Waller S, Harris-Love M. Does Focused Bilateral Arm Training Enhance Recovery Of Upper Limb Hemiparesis? Theory And Evidence. American Physical Therapy Association Annual Meeting, Chicago, IL, June 30, 2004.

Rose DK. Advances in Neurologic Therapy (What we know; Where we are going). Center for Sports Medicine and Rehabilitation, Northfield Hospital, Northfield, MN, Oct. 24-25, 2003.

Winstein CJ, Richards C, **Rose DK**, Barreca S, Saladin L. Translating Research into Clinical Practice for Patients Post-Stroke: Where are We? Combined Sections Meeting, American Physical Therapy Association. Tampa, FL, Feb. 11-12, 2003.

Rose DK. Upper Extremity Functional Rehabilitation Following Stroke. Rehabilitation Nursing Potpourri XII: Clinical Update on Stroke, Los Angeles/Orange County Chapter of the Association of Rehabilitation Nurses. Los Angeles, CA, Feb. 8, 2003.

Rose DK. Strategies to Improve Upper Extremity Function Following Stroke. Twenty-third Annual Neurorehabilitation Conference on Traumatic Brain Injury and Stroke. Healthsouth Braintree Rehabilitation Hospital. Cambridge, MA, Nov. 17, 2002.

Rose DK. Exercise Guidelines following Stroke. California Association of Physical Educators in Disability Annual Meeting, San Diego, CA, October 16, 2001.

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Brunetti G, Smith BK, **Rose DK.** Six-Minute Walk Distance Differentiates Respiratory Impairment in Chronic Stroke. Submitted to APTA/Combined Sections Meeting, Boston, MA, February 12, 2024.

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Vistamehr A, Clark DJ, Conroy C, DeMark LA, Fox EJ, Gao H, Patel J, Wauneka CN,

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Bansal K, Fox EJ, Clark DJ, **Rose DK.** Validation of Speed-Based Classification of Community Ambulation Post-Stroke: GPS Unveils the Truth. Accepted for presentation at the World Stroke Congress, Toronto, ON, Canada. October 11, 2023.

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Swanson CW, Winesett SP, Gruber A, Woods AJ, **Rose DK,** Seidler RD, Clark DJ. Links between prefrontal cortical thickness, cognitive function and turning performance in older adults. Accepted for presentation International Society for Posture and Gait Research, Brisbane, Australia, July 10, 2023.

Adegbemigun O, **Rose DK.** Effect of Backward Walking Training on Forward Walking Kinematics Post-Stroke. 18th Annual Neuromuscular Plasticity Symposium, University of Florida, Gainesville, FL, March 23, 2023.

Swanson CW, Borgia B, Winesett SP, Gruber A, Woods AJ, **Rose DK,** Seidler RD, Clark DJ. Associations Between Posterior Parietal and Motor Cortical Thickness and Obstacle Negotiation in Older Adults. American Society of Neurorehabilitation, Charleston, SC, March 15, 2023.

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Bansal K, Clark DJ, Fox EJ, **Rose DK.** The Six-Minute Walk Test Predicts GPS-Based Community Ambulation in Older Adults and Stroke Survivors. APTA/Combined Sections Meeting, San Diego, CA, February 25, 2023.

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Rose DK, Winstein CJ. Temporal Control of Bimanual Reaching Following Unilateral Brain Damage. Society for Neuroscience Abstracts, Vol. 28, Program No.666.3, 2002.

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Rose DK, Duncan PW, Hughes MA, Chandler JM, Samsa G, Studenski SA. Postural Sway and its Relationship to Physical Impairment and Function. The Gerontologist. 33, 1993.

Rose DK, Giuliani CG. A Comparison of Overground Walking and Treadmill Walking in Patients with Cerebral Vascular Lesion. Neurology Report, 17(4), p. 23,1993.

Giuliani CG, Light KE, **Rose DK**. The Effect of an Isokinetic Exercise Program on Gait Patterns in Patients with Hemiparesis. Neurology Report, 17(4), p. 23, 1993.

Rose DK, Giuliani CA. Immediate Effects of Treadmill Exercise in Patients with Traumatic Brain Injury. Neurology Report, 16(4), p. 22, 1992.

Light KE, **Rose DK**, Cedar J. Use of the Functional Reach Test in a Balance and Dizziness Clinic for Older Adults. Neurology Report, 16(4), p.26, 1992.

Rose DK, Giuliani CA, Light KE. The Immediate Effects of Isokinetic Exercise on Selected Temporal Distance Characteristics of Self-Selected and Fast Hemiplegic Gait. Neurology Report, 15(4), p.18, 1991.

Light KE, **Rose DK**. Pursuit Rotor Tracking in Patients with Disequilibrium. Neurology Report, 15 (4), p.10, 1991.

Rose DK, Norton BJ, Sahrman SA. Erector Spinae Participation during Shoulder Flexion in Three Positions. Physical Therapy, 66(5), p. 760,1986.

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Non-Peer Reviewed Publications

Getting Active – Staying Active. Stroke Connection. Published by the American Heart Association/American Stroke Association. September-October 2008. Pgs. 14-18.

Calm Before the Storm? Today in PT. Published on line February 15, 2010.
<http://news.todayinot.com/article/20100215/TODAYINPT0103/100212012&SearchID=73471375250787>

Non-Peer Reviewed Presentations

Rose DK. Invited Discussant for **Rose DK**, DeMark L, Fox EJ, Clark DJ, Wludyka, P. A Backward Walking Training Program to Improve Balance and Mobility in Acute Stroke: A Pilot Randomized Controlled Trial. Journal of Neurologic Physical Therapy. 2018. 42(1):12-21. Allegheny Health Network. February 9, 2023.

Rose DK, Patten C, George SZ. *Backwards Walking Training to Improve Gait and Increase Fall-Related Efficacy Post-Stroke*. American Heart Association First Coast Associates Meeting, July 27, 2015, Jacksonville, FL.

Rose DK, DeMark L. *A Novel Strategy to Improve Gait and Increase Fall-Related*

Efficacy Post-Stroke. American Heart Association North Central Florida Board of Directors Meeting, September 3, 2015, Jacksonville, FL.

Making Strides toward Recovery of Walking after Stroke. Malcom Randall VA BRRC SyNaPse Meeting. March 13, 2013. Gainesville, FL.

Functional Improvement in Post-Acute Stroke: The Importance of Task-Specific Practice, Repetition and Progression. Shands Rehabilitation Hospital, August 22, 2012. Gainesville, FL.

New Avenues in Assessing and Treating the Brain following Stroke: Investigations with Transcranial Magnetic Stimulation. Oak Hammock at The University of Florida. May18, 2012. Gainesville, FL.

The LEAPS Trial Revisited: A Closer Look at the Interventions. Shands Rehabilitation Hospital, November 16, 2011. Gainesville, FL.

Funded/Current Grant Activity

<u>Agency</u>	<u>Grant #</u>	<u>PI</u>	<u>Dates</u>
NIH/NIA	1R01AG081477-01	Clark	5/1/2023-4/30/2027

Cognitively engaging walking exercise and neuromodulation to enhance brain function in older adults

The overarching hypothesis of this proposal is that tDCS delivered over prefrontal regions during complex (cognitively engaging) walking exercise can improve both executive function and walking function.

Role: Co-Investigator

AHA	23 POST1011634	Liu	1/03/2023-12/31/2025
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Characterizing cortical processes during post-stroke gait

The primary aim of this proposal is to quantify the cortical processes that contribute to gait dysfunction early post-stroke, and the second aim is to determine how cortical processes are mediated by mechanical assistance during early gait training post-stroke.

Role: Co-Investigator/Mentor

NIH/NIA	R21AG076972	Liu	5/15/2022-3/31/2024
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Synergizing Home Health Rehabilitation Therapy to optimize patients' activities of daily living

The aim of this proposal is to pilot a comprehensive rehabilitation therapy program delivered by home health care physical and occupational therapists to assess if this comprehensive approach results in greater improvement in ADL performance and physical functioning compared to usual home health care rehabilitation.

Role: Co-Investigator

VA RR&D	I01RX003542	Rose	11/01/2021-10/31/2025
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Brain and Behavioral Responses to Backward Walking Training Post-Stroke
The primary aim of this proposal is to establish dosage effects of Backward Walking Training. This proposal will also test the hypotheses that structural and functional brain measurements can predict degree of response to Backward Walking Training. The third exploratory aim will assess changes in fMRI metrics following Backward Walking Training to provide a window into neurophysiologic central mechanisms contributing to behavioral change.

Role: Principal Investigator

FL DOH 20K08 Rose 6/12/20-4/30/25

Augmenting a Post-Stroke Wellness Program with Respiratory Muscle Training: A Randomized Controlled Trial

The primary aim of this proposal is to exam the effect of respiratory muscle training in conjunction with a stroke wellness program in restoring both physical and respiratory function in individuals with chronic stroke.

Role: Principal Investigator

VA RR&D E3115R Clark 5/01/2019 - 4/30/2023

Cerebral networks of locomotor learning and retention in older adults

The purpose of this study is to use non-invasive brain stimulation to augment locomotor learning and to investigate brain networks that are responsible for locomotor learning in mobility-compromised older adult Veterans.

Role: Co-Investigator

VA RR&D B9252-C Bauer 7/2019 – 6/2024

Brain Rehabilitation Research Center of Excellence

This “center of excellence” grant funds the research and administrative infrastructure of the Brain Rehabilitation Research Center.

Role: Co-Investigator and Locomotor Initiative Co-Leader

Funded/Completed Grant Activity

<u>Agency</u>	<u>Grant #</u>	<u>PI</u>	<u>Dates</u>
VA RR&D	B3336-P	Rose	11/01/19-10/31/21

Quantifying Post-Stroke Community Participation: Filling the Gap between Ability and Reality

The purpose of this study is to test the validity and feasibility of a Activity Monitor/GPS package to track the amount and location of community walking in individuals post-stroke

VA BRRC 0220BRRC-05 Rose 2/18/20-9/30/21

Backward Walking Training Post-Stroke: How Much and for Whom – A Pilot Feasibility Study

The primary aim of this proposal is to examine dosage effects of BWTraining for maximizing gains in forward walking speed, backward walking speed, and dynamic balance.

Role: Principal Investigator

VA RR&D N2004-R Rose 7/01/2016 - 6/30/2021

A Novel Strategy to Decrease Fall Incidence Post-Stroke

The purpose of this study is to test a novel gait training strategy, backward walking, to

improve gait speed, improve balance and decrease fall incidence post-stroke.

VA BRRC 0419BRRC-04 Rose 4/01/19-9/30/20
Accurate Quantification of Real-World Post-Stroke Ambulation: Validation and Feasibility
The purpose of this study is to validate an activity monitor and GPS package in the differentiation of indoor versus outdoor steps in patients post-stroke and to test the feasibility of community use.
Role: Principal Investigator

NIH R21AG053736 Clark 6/01/2017 - 3/31/2020
Combining tDCS and neurorehabilitation to treat age-related deficits of mobility and cognition
The purpose of this study is to demonstrate preliminary efficacy and feasibility of a novel therapeutic intervention that is designed to enhance mobility and cognition via neuroplasticity of prefrontal cerebral circuits in older adults with mobility deficits and cognitive/executive dysfunction.
Role: Co-Investigator

VA RR&D N2051-P Rose 4/01/2016 - 1/31/2019
Biofeedback to Increase Propulsion during Walking after Stroke
The purpose of this study is to test the hypothesis that biofeedback as an adjuvant to therapists' verbal feedback will improve propulsion and enhance walking function post-stroke.

VA RR&D B1149R Clark 6/01/2014-9/30/2019
Rehabilitation of Corticospinal Control of Walking after Stroke: The ABCs of Walking
Role: Co-Investigator

AHA 15MCPRP25670037 Rose 7/01/2015 - 6/30/2018
A Novel Strategy to Improve Gait and Falls Self-Efficacy Post-Stroke
The purpose of this study is to compare the efficacy of two rehabilitation approaches on gait speed: a novel, experimental intervention that uses backward walking as the primary training modality and a standard of care comparison intervention of forward walking.

Honda Corp. Keglemeyer 8/12/17-1/31/18
National Descriptive Study of the Home Health Physical Therapy Environment
Role: Site Investigator

VA RR&D B6862W Rose 2/1/10-9/30/15
Combining Neural and Behavioral Therapies to Enhance Stroke Recovery
Role: Principal Investigator

VA BRRC 0214BRRC-13 Rose 3/1/14-9/30/15
Developing the use of skin conductance as an objective physiological indicator of locomotor recovery after stroke
Role: Co-Principal Investigator

Brooks Rehabilitation Rose 12/1/12-2/28/14
A Backward Walking Training Program to Improve Balance and Reduce Falls in Acute Stroke: A Feasibility Study
Role: Principal Investigator

JEK FL Biomed Rsrch Prgm 09KN-13 Rose 9/16/09-12/31/12
Use of Repetitive Transcranial Magnetic Stimulation as an Adjuvant to Enhance Post-Stroke Recovery
Role: Principal Investigator

NIH/NCMRR K12-HD055929 Ottenbacher 6/1/09 –12/31/12
Rehabilitation Research Career Development Program
Role: Scholar

NIH R21 AG031974 Mannini 9/15/09-8/31/11
Task Specific Exercise for the Clinically Disabled
Role: Consultant

NIH/NINDS 1 R01 NS050505-01 Duncan 9/25/05-6/30/11
Locomotor Experience Applied Post-Stroke
Role: Clinical Research Coordinator

VA RR&D B4492R Chumbler 1/1/07-10/30/10
Home-Based Tele-Health Stroke Care: A Randomized Trial for Veterans
Role: Co-Investigator

Brooks Endowment Rose 9/1/08-10/30/10
Mechanisms of Restoring Gait Post-Stroke: Role of the Ankle Plantarflexors
Role: Principal Investigator

Brooks Community Health Foundation Rose 7/27/07 – 1/30/09
Translating Motor Learning and Neural Plasticity Principles to Stroke Care at Brooks Rehabilitation Hospital: From Efficacy to Effectiveness
Role: Principal Investigator

NIH R01 HD46820 Kautz 6/2004-6/2009
Intermuscular coordination of hemiparetic walking
Role: Consultant

Membership in Scientific/Professional Organizations

American Physical Therapy Association (APTA)
 Section Membership: Geriatric Section, Neurology Section, Research Section
American Society for Neurorehabilitation
International Society for Posture and Gait Research
American Heart Association/American Stroke Association (2006-2021)
American Congress of Rehabilitation Medicine (2010-2020)
Society for Neuroscience (1997-2004)
North American Society for Psychology of Sport and Physical Activity (1998-2004)

Professional Service

2022 Journal of Neurologic Physical Therapy Editorial Board Member
2021- APTA/Academy of Neurologic Physical Therapy Curriculum
 Competency Task Force; Co-Chair
2019- APTA/Academy of Neurologic Physical Therapy Clinical Practice
 Guideline Development Group for Subacute Locomotor Function

2019-2020	Delphi Panel on Post-Acute Stroke Rehab Care/American Stroke Association and The Northeast Cerebrovascular Consortium
2015-2018	APTA Neurology Section StrokEdgell Task Force, Chair
2015	APTA IV STEP Conference, abstract reviewer
2014-2020	Foundation for Physical Therapy, Scientific Advisory Committee
2009-2018	Research Committee, Florida Chapter, American Physical Therapy Association (Grant and abstract reviewer)
2021-present	manuscript reviewer for <u>Human Movement Science</u>
2021-present	manuscript reviewer for <u>Frontiers in Neurology</u>
2021-present	manuscript reviewer for <u>Journal of Clinical Neuroscience</u>
2019-present	manuscript reviewer for <u>Brain Communications</u>
2019-present	manuscript reviewer for <u>Gait and Posture</u>
2018-present	manuscript reviewer for <u>Brazilian Journal of Physiotherapy</u>
2018	manuscript reviewer for <u>International Journal of Therapy and Rehabilitation</u>
2017-present	manuscript reviewer for <u>European Journal of Physiotherapy</u>
2017	manuscript reviewer for <u>PLOS ONE</u>
2016	manuscript reviewer for <u>Experimental Brain Research</u>
2016	manuscript reviewer for <u>Journal of Visualized Experiments</u>
2016	manuscript reviewer for <u>Journal of Motor Behavior</u>
2015-present	manuscript reviewer for <u>Disability and Rehabilitation</u>
2015-present	manuscript reviewer for <u>Frontiers in Human Neuroscience</u>
2010-present	manuscript reviewer for <u>Topics in Stroke Rehabilitation</u>
2004-present	manuscript reviewer for <u>Physiotherapy Theory and Practice</u>
2010-present	manuscript reviewer for <u>Stroke Treatment and Research</u>
2009-present	manuscript reviewer for <u>Physical Therapy</u>
2008-present	manuscript reviewer for <u>Neurorehabilitation and Neural Repair</u>
2005-present	manuscript reviewer for <u>Archives of Physical Medicine and Rehabilitation</u>
1996 – present	manuscript reviewer for <u>Journal of Neurologic Physical Therapy</u>
2013	manuscript reviewer for <u>International Journal of Treatment and Research</u>
2010-2011	APTA Neurology Section Stroke Outcomes Task Force
2009-2010	APTA's Hooked on Evidence, Stroke Scenario Panel
2009-2011	American Heart Association/International Stroke Conference Abstract Reviewer
2009	Moderator for e-posters: Basic and Translational Neuroscience of Stroke Recovery and Multidisciplinary Clinical Rehabilitation, AHA
2009	Moderator for oral abstracts: Multidisciplinary Clinical Rehabilitation, American Heart Association
2007	Poster Tour Guide, American Physical Therapy Association Annual Meeting
2005-2009	Program Committee Chair, Neurology Section, APTA
2005-2009	Board of Directors, Neurology Section, APTA
2005-2007	III Step Dissemination Task Force, Neurology Section, APTA
2002	manuscript reviewer for <u>Physiotherapy in Practice</u>
2002	Poster Tour Guide, Neurology Section, Combined Sections Meeting, American Physical Therapy Association
2001	manuscript reviewer for <u>Neuropsychologia</u>
1997-2000	Nominating Committee, Neurology Section, APTA
1993 – 2005	Program Committee, Neurology Section, APTA

Service to the University/College/Department

University Level

2017-present	Commencement Reader
2015-2017	Commencement Marshall
2015	Graduate Student Research Day: Poster Judge
2010-2013	Commencement Marshall

College Level

2023	College of Public Health and Health Professions Research Day: Abstract Reviewer
2022-2023	T32 NIH Neuromuscular Plasticity Symposium: Poster Judge
2020-	PHHP Curriculum Committee
2019	T32 NIH Neuromuscular Plasticity Symposium: Poster Judge
2016-	Scientific Projects Committee, Malcom Randall VAMC
2016	T32 NIH Neuromuscular Plasticity Symposium: Poster Judge
2015	Think Tank on Cultural Diversity
2012-2015	T32 NIH Neuromuscular Plasticity Symposium: Abstract Reviewer
2011-2014	College of Public Health and Health Professions Research Day: Abstract Reviewer

Department Level

2023	Curriculum Director Search Committee, Chair
2022-	Neurologic Equal Access Development Committee
2021-	Doctor of Physical Therapy Admission Committee
2019-2020	LifeSpan Case Development Committee, Chair
2018	Teaching/Scholar Faculty Search Committee
2018	DPT Admissions Re-structuring Task Force
2016-2017	Brooks-PHHP Collaboration Director Search Committee
2017-2018	Neuronoons Committee, T32 NIH Training Grant
2016-2020	Equal Access Clinic, Faculty Supervisor
2015-2017	Doctor of Physical Therapy Admission Committee
2014-2015	Faculty Development Task Force
2011-2013	Academic Progression Committee
2008-2016	Scholarship Committee
2008	Professional Development and Leadership Task Force
2008	Marketing Task Force

Honors and Awards

2022	Health Policy Administration Section/Global Health SIG – Blue Ribbon Award for serving underserved populations: Rose DK , Smith BK. <u>A Physical Therapist-Led Community Exercise Program to Counter Post-Stroke Fatigue</u> . APTA/CSM February 4, 2022.
2021	Academy of Neurologic Physical Therapy/Stroke Special Interest Group: Best Poster Award for Rose DK . deLacy, J, Brunetti G, Miller-Sellers DK <u>(Backward) Steps to Mitigate Fall-Risk Post-Stroke</u> . Academy of Neurologic Physical Therapy Annual Conference. September 8 – November 22, 2021.

- 2021 Academy of Neurologic Physical Therapy/Stroke Special Interest Group: Best Poster Award for Bansal K, Clark DJ, Monaldi M, Fox EJ, **Rose DK**. Do subjective and objective measures of perceived challenge of walking predict home and community ambulation post-stroke? Academy of Neurologic Physical Therapy Annual Conference. September 8 – November 22, 2021.
- 2020 American Physical Therapy Association Lucy Blair Service Award Honors members who have made exceptional contributions to the Association through district, chapter, committee, section, task force or national activities.
- 2019 Golden Synapse Award
For the manuscript: **Rose DK**, DeMark L, Fox EJ, Clark DJ, Wludyka, P. *A Backward Walking Training Program to Improve Balance and Mobility in Acute Stroke: A Pilot Randomized Controlled Trial*. Journal of Neurologic Physical Therapy. 2018. 42(1):12-21. The award recognizes the most outstanding article published in JNPT each year and is based on the article's conceptualization, execution, presentation and contribution to physical therapy practice.
- 2018 2018 Dean's Citation Paper Award
For outstanding publication: **Rose DK**, Nadeau S, Wu SS, Tilson JK, Dobkin BH, Pei, Q, Duncan PW. *Locomotor Training and Strength and Balance Exercises for Walking Recovery Post-Stroke: Response to Number of Training Sessions*. Physical Therapy. 2017. 97(11):1066-1074.
- 2016 Poster Award finalist. American Congress of Rehabilitation Medicine (*for the presentation: **Rose DK**, Patten C, Taylor A, Triggs WJ. Priming the Ipsilesional Motor Cortex with Excitatory rTMS to Augment Functional Task Practice Post-Stroke*)
- 2013 2012 Stroke Progress and Innovation Award
(*for the manuscript: Tilson JK, Wu SS, Cen SY, Feng Q, **Rose DK**, Behrman AL, Azen S, Duncan PW, for the LEAPS Investigative Team. Characterizing and Identifying Risk for Falls in the LEAPS Study: A Randomized Clinical Trial of Interventions to Improve Walking Poststroke Stroke*, 43:446-52,2011.)
- 2011 Dorothy Briggs Memorial Scientific Inquiry Award
(*for the manuscript: Tilson JK, Sullivan KJ, Cen SY, **Rose DK**, Koradia C, Azen SP, Duncan PW. Meaningful gait speed improvement during the first 60 days post-stroke: minimal clinically important difference*. Physical Therapy. 90(2):196-208, 2010.)
- 2010 J. Brooks Brown Annual Research Award, Brooks Rehabilitation Center
- 2010 APTA Neurology Section: Service to the Section Award
- 2009 Early Career Poster Award. American Congress of Rehabilitation Medicine/American Society of Neurorehabilitation (*for the presentation:*

Rose DK, Paris, T, Duncan PW, Wu SS, Behrman AL, Crews E.
Functional Improvement in Post-Acute Stroke: The Importance of Repetition and Progression.)

- 2004 Golden Cane Award
(To honor and acknowledge graduates from the PhD program who have demonstrated the potential to be the leaders of the future in Biokinesiology and Physical Therapy)
Department of Biokinesiology and Physical Therapy
University of Southern California
- 2003-2004 Jacquelin Perry Scholar Award (\$1,000)
Department of Biokinesiology and Physical Therapy
University of Southern California
- 2002-2003 Promotion of Doctoral Studies II (\$15,000)
Mary Lou Barnes Scholarship, Neurology Section
Foundation for Physical Therapy
- 2000-2001 Promotion of Doctoral Studies I (\$7,500)
Foundation for Physical Therapy
- 2000 Post-professional Student Research Award (\$1,000)
Neurology Section, APTA
- 1999-2000 Promotion of Doctoral Studies I (\$7,500)
Foundation for Physical Therapy
- 1993 Mary McMillian Post-professional Scholarship Award (\$1,000)
American Physical Therapy Association
- 1992 Mary Clyde Singleton Award
(For excellence in the coalescence of the art and science of physical therapy)
University of North Carolina-Chapel Hill
- 1985 Student Professionalism Award
Daemen College

Professional Development Activities

- 2022 Great Teaching Certificate; University of Florida Center for Teaching Excellence (in progress)
- 2022 University of Florida Supervisory Challenge
- 2021 Mentor Academy UF Clinical and Translational Science Institute