

## CURRICULUM VITAE

Renée M. Hakim, PT, PhD, NCS  
Department of Physical Therapy  
University of Scranton

### Education

Temple University, Philadelphia, PA  
August 1997 - May 2001  
Doctorate (Ph.D.) - Health Studies/Public Health

University Of Pittsburgh, Pittsburgh, PA  
August 1992 - December 1994  
Master of Science (M.S.) - Health and Rehabilitation Sciences  
Focus - Neurological Physical Therapy

University of Scranton, Scranton, PA  
August 1986 - May 1990  
Bachelor of Science (B.S.) - Physical Therapy

### Licensure Information

Pennsylvania, PT - 007045 - L

### Certifications

Neurologic Clinical Specialist (NCS) by American Board of Physical Therapy Specialties (ABPTS); May 1997, Re-certified May 2007, Emeritus status May 2017.

“Master Trainer” by nationally recognized, evidence-based *Matter of Balance (MOB)* program developed at the Roybal Center at Boston University; Certified in Fall 2010.

### Employment and Positions Held

*Full-time Faculty Member, Department of Physical Therapy*  
University of Scranton, Scranton, PA (August 1996-present)

Professor	2011 - present
Associate Professor	2005 - 2011
Tenured	2001
Assistant Professor	1996 - 2005

#### *Administrative Roles:*

Chairperson, Department of Physical Therapy, Summer 2019-present  
Interim Chairperson, Department of Physical Therapy, Fall 2018-Spring 2019  
Program Director, DPT Program (entry-level), 2014-present  
Program Director, Transition DPT Program, 2004-2013  
Assistant Academic Coordinator of Clinical Education, 1996-2001

#### *Volunteer Physical Therapist*

Edward R. Leahy Center for the Uninsured and Underinsured  
Faculty Director of student-run *pro bono* services, 2015-present  
Direct patient care/research, 2003 - 2007

*Contract Physical Therapist*

Viewmont Medical Services (VMS) Physical Therapy; part-time  
Scranton, PA, 2001-2006  
Rehab Works, Inc., HRC Manor Care, Davis Manor; per diem  
Northeast PA 1996-2001

*Home Health Physical Therapist*

Aurora Borealis Home Health Care, Pittston, PA, 1996

*Course Co-Coordinator and Instructor*

PT 506 Clinical Science IV  
College Misericordia, Dallas, PA  
Spring 1996

*Lab Assistant*

PT 450 Therapeutic Exercise III  
University of Scranton, Scranton, PA  
Spring 1995

*Rehab Team Leader/ Physical Therapist*

Student Program Coordinator - Northeast Area  
Nova Care, Inc., Region 1, Area 5, Luzerne County, PA  
1994-1996

*Teaching Assistant*

Musculoskeletal Causes, Analysis and Interventions in Movement  
University of Pittsburgh, Pittsburgh, PA  
Fall 1993

*Physical Therapist III/ Team Leader - Neuro/Trauma Team*

University of Pittsburgh Medical Center (UPMC), Pittsburgh, PA  
*Balance and Vestibular Lab Physical Therapist (rotation)*  
Eye and Ear Institute of Pittsburgh at UPMC, Pittsburgh, PA  
1991-1994

*Staff Physical Therapist*

Mercy Hospital, Scranton, PA  
1990-1991

**Peer-Reviewed Publications**

Potter SE, Bishop B, Hakim RM. (2019). Character Stroke Path Inference in a Rehabilitation Application. Paper presented at the *5th International Conference on Health Informatics and Medical Systems*, Las Vegas, NV, 29 July-1 August.

Hakim RM, Frey CM, Spadoni KE, Meyer K (2018). Identifying Fallers Using Clinical Balance Measures in Community-Dwelling Adults with Lower Extremity Amputation: A Cross-Sectional Study. *Journal of Developmental and Physical Disabilities*, 30(5):677-688.

Hakim RM, Ross MD, Runco W, Kane MT (2017). A Community-Based Aquatic Exercise Program to Improve Endurance and Mobility in Adults with Mild to Moderate Intellectual Disability. *Journal of Exercise Rehabilitation*, 13(1), 89-94.

Hakim RM, Tunis BG, Ross MD (2016). Rehabilitation Robotics for the Upper Extremity: Review with New Directions for Orthopedic Disorders. *Disability and Rehabilitation: Assistive Technology*, 30, 1-7. doi: 10.1080/17483107.2016.1269211.

Hakim RM, Salvo CJ, Balent A, Keyasko M, McGlynn D (2015). Case Report: A Balance Training Program Using the Nintendo Wii Fit to Reduce Fall Risk in an Older Adult with Bilateral Peripheral Neuropathy. *Physiotherapy Theory and Practice*, 31(2), 130-139.

Hakim RM, Davies L, Jaworski K, Tufano N, Unterstein A (2012). A Computerized Dynamic Posturography (CDP) Program to Reduce Fall Risk in Community Dwelling Older Adult with Chronic Stroke: A Case Report. *Physiotherapy Theory and Practice*, 28(3), 169-177.

Fetherman D, Hakim RM, Sanko JS (2011). A Pilot Study of the Application of Thetranstheoretical Model During Strength Training in Older Women. *Journal of Women and Aging*, 23(1):58-76.

Hakim RM, Cissel E, Cours J, Teel S, Leininger PM (2010). A Cross-Sectional Study of Balance-Related Measures with Older Adults who Participate in Tai Chi, Yoga, or No exercise. *Physical and Occupational Therapy in Geriatrics*, 28(1):63-74.

Hakim RM, Collins J, Jamieson J, Knueven L, Sensbach K (2007). Case report: A hippotherapy program to improve balance and functional performance in a child with a neurological disorder. *Hippotherapy*, 1;6-7.

Hakim RM, Roginski A, Walker J. (2007). Comparison of fall risk education methods for primary prevention with community-dwelling older adults in a senior center setting. *Journal of Geriatric Physical Therapy*, 30(2):60-68.

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

Hakim RM, Newton RA, Segal J, DuCette J (2004). A Group Intervention to Reduce Fall Risk Factors in Community-Dwelling Older Adults, *Physical and Occupational Therapy in Geriatrics*, 22(1):1-20.

Hakim RM, DiCicco J, Burke J, Hoy T, Roberts E (2004). Differences in Balance-Related Measures Among Older Adults Participating in Tai Chi, Structured Exercise, or No Exercise. *Journal of Geriatric Physical Therapy*; 27(1):11-15.

Hakim RM (2004). Case 13. In: Brimer MA, Moran ML, eds. *Clinical Cases in Physical Therapy*, 2<sup>nd</sup> ed. Philadelphia, PA, Butterworth Heinemann, 53-57.

Hakim RM, Segal J, Newton RA, DuCette J (2001). A Fall Risk Reduction Intervention for Community-Dwelling Older Adults. Temple University, dissertation.

Hakim RM (1998). Factors Associated with Falls of Geriatric Residents in a Skilled Nursing Facility. *Issues on Aging*, 21(3):94-115.

Hakim RM, Gruen GS, Delitto A (1996). Outcomes of Patients Following Multiple Trauma with Unstable Pelvic Ring Fractures Managed by Open Reduction with Internal Fixation. *Physical Therapy*, 76(3):287-295.

### **Peer-Reviewed Scientific and Professional Presentations**

#### National / International

Franco J, Kucharska N, Murphy S, Turrisi L, Carusotto AF, Hakim RM. The Effects of Photobiomodulation Therapy on Endurance in Adults with COPD: A Systematic Review

- Presented nationally at APTA NEXT (Virtual/Remote); June 2020; poster format

Prisco E, Hatki K, Ryan T, SanFilippo J, Schwartz J, Hakim RM. The Effect of Large Amplitude Movement Training on Quality of Life in Older Adults with Parkinson's Disease: A Systematic Review

- Presented nationally at APTA NEXT (Virtual/Remote); June 2020; poster format

Hakim RM, Ross MD, Segota C, Potter S, Bishop B. Feasibility and Acceptance of Haptic Robotics for Orthopedic Rehabilitation of the Wrist/Hand: A Case Report

- Presented nationally at APTA Combined Sections Meeting (CSM), Denver, CO, February 2020; Hand Rehabilitation Section; platform format

Hakim RM, Manzo M, Piening C, Segota C, Wilcox, W Ross MD. Meaningful Change for Patients with Orthopedic Disorders in a Student-Run Pro Bono Physical Therapy Clinic

- Presented nationally at APTA Combined Sections Meeting (CSM), Denver, CO, February 2020; Health Policy & Administration Section; poster format

Bonilla J, Ochalski N, Rynar E, Woelkers C, Hakim RM. Hybrid Assistive Limb (HAL) and Gait Velocity in Adults with Gait Disorders: A Systematic Review.

- Presented nationally at APTA Combined Sections Meeting (CSM), Denver, CO, February 2020; Neurology Section; poster format

Gilinger E, Huggins T, Gargiulo B, Taylor J, Hakim RM. Recreational Activities Impact on Activity and Participation in Persons with Parkinson's Disease: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Denver, CO, February 2020; Neurology/Degenerative Diseases Section; poster format

Oliveira R, Piranio A, Coughlan C, MacDonald T, Carusotto AF, Hakim RM. Effects of Dry Needling on Muscle Spasticity in Adults with Neurological Disorders: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Denver, CO, February 2020; Neurology/Stroke Section; poster format

Hakim RM, Bishop B.

Haptic Devices to Improve Arm/Hand Function.

- Invited speakers at the Northeast Pennsylvania Innovation Conference - Smart Machines & Materials, Scranton, PA - August 15-16, 2019

Potter SE, Bishop B, Hakim RM.

Character Stroke Path Inference in a Rehabilitation Application

- Oral presentation (with paper published in proceedings) at the 5th International Conference on Health Informatics and Medical Systems, Las Vegas, NV, July 29 - August 1, 2019

Christensen J, McGowan M, McGraw L, Piening C, Hakim RM.

The Effect of Virtual Reality Training on Balance and Mobility in Adults with Moderate to Severe Traumatic Brain Injury: A Systematic Review

- Accepted for presentation at the 6<sup>th</sup> International Conference and Expo on Novel Physiotherapies and Physical Rehabilitation, London, UK, August 2019, poster format

James C, Frank D, Ziegler K, Kosik S, Rodio N, Hakim RM.

The Effect of Transcranial Direct Current Stimulation on Balance and Mobility in Children with Cerebral Palsy: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Washington DC, January 2019; poster format

Hakim, RM, Fitzgerald C, Palladino E, Scully SJ.

Functional Outcomes of Patients with Orthopedic Diagnoses Receiving *Pro Bono* Physical Therapy Services in a Student-Run Clinic: A Retrospective Study

- Presented nationally at APTA Combined Sections Meeting (CSM), Washington DC, January 2019; poster format

Haldeman L, Jackowitz J, Oquendo A, Wells M, Hakim RM

The Effects Of Intramuscular FES on Objective Gait Measures in Adult Patients with Chronic Stroke: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Washington DC, January 2019; poster format

Lavado BC, Ortlieb MK, Rohleder MR, Wagner BR, Hakim RM  
Telerehabilitation Compared to Conventional Physical Therapy to Improve Physical Performance in Community-Dwelling Adults: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), New Orleans, LA, February 2018; poster format

Hakim RM, Dolphin DA, Martzen J, Moser J  
A Student-Run Pro Bono Physical Therapy Clinic Incorporating Community-Based Learning: A Special Interest Report

- Presented nationally at APTA Combined Sections Meeting (CSM), New Orleans, LA, February 2018; poster format

Esterle B, Fluehr L, Liberatore C, McEnroe M, Hakim RM  
The Effectiveness of Transcranial Direct Stimulation on Gait in Persons with Parkinson's Disease: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), New Orleans, LA, February 2018; poster format

Cranmer S, Mester M, Palladino E, Hakim RM.  
Aquatic Therapy Compared with Conventional Land-Based Therapy to Improve Balance and Mobility in Persons with Parkinson's Disease: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), New Orleans, LA, February 2018; platform format

Connell W, Crowley A, Fitzgerald C, Marri S, Hakim RM.  
The Effect of Augmented Reality Visual Cues on Temporal-Distance Gait Parameters in Individuals with Parkinson's Disease: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), New Orleans, LA, February 2018; poster format

Guenther K, Nachtman A, Scully SJ, Taylor M, Schwartz J, Hakim RM.  
The Impact of Community-Based Rehabilitation Programs on Adults with Traumatic Brain Injury: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), New Orleans, LA, February 2018; poster format

Cominsky J, Joyce C, Leschen S, Raab M, Schwartz J, Hakim RM. The Effect of Rhythmic Auditory Stimulation on Gait Outcomes in Adults with Non-Progressive CNS Diagnoses: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), San Antonio, Tx, February 2017; poster format

Fahey T, Pasquarelli C, Lewis C, Donaldson M, Hakim RM. The Effect of Whole Body Vibration on Pain and Disability in Adults with Chronic Low Back Pain: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), San Antonio, Tx, February 2017; poster format

Sawyer D, Synan B, Gaeta M, Signoriello V, Hakim RM. A Systematic Review of Predisposing Biological and Mechanical Factors Related to Non-Specific Low Back Pain in Adolescents

- Presented nationally at APTA Combined Sections Meeting (CSM), San Antonio, Tx, February 2017; poster format

Arrow A, Martzen J, Montalbano M, Moser J, Tomlinson A, Hakim RM. The Effect of Virtual Reality Training on Balance, Gait and Mobility in Persons with Parkinson's Disease: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), San Antonio, Tx, February 2017; poster format

Page S, Hunsicker K, Reale N, Townsend K, Hakim RM. Methods to Promote Exercise Adherence in Adults with Multiple Sclerosis: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Anaheim, CA, February 2016; poster format

Cipriano B, Fleage PE, Nguyen V, Studwell A, Hakim RM. Effects of Dual Task Training On Balance And Mobility In Persons With Parkinson's Disease: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Anaheim, CA, February 2016; poster format

Balcon M, Forsberg E, Mossler E, Shackles J, Schwartz J, Hakim RM. Functional Electrical Stimulation in Combination with Treadmill Training to Improve Gait in Adults with Stroke: A Systematic Review

- Presented nationally at APTA Combined Sections Meeting (CSM), Anaheim, CA, February 2016; poster format

Bezner J, Hakim RM, Pease B, Ross M. Transforming Practice: Prevention, Health, and Wellness Programs.

- Presented nationally at APTA National Combined Sections Meeting (CSM), Indianapolis, IN, February 2015; Educational session (2 hours) format.

Hakim RM, Hutchings BL, Runco W, Kane M, Ross M. The Impact of a Community-Based Aquatic Exercise Program on Physical Performance in Community-Dwelling Adults with Mild to Moderate Intellectual Disability.

- Presented nationally at APTA National Combined Sections Meeting (CSM), Indianapolis, IN, February 2015; platform format

Mellody T, Hakim RM, Gildea MK, Gregowicz C, Liccione T, Schrecengost N. “A Training Program Combining Large Amplitude Movements and Forced Exercise (FE) Cycling to Improve Balance and Mobility in a Community-Dwelling Older Adult with Parkinson’s Disease: A Case Report”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Indianapolis, IN, February 2015; poster format

Mellody T, Hakim RM, Gildea MK, Gregowicz C, Liccione T, Schrecengost N. “A Training Program Combining Large Amplitude Movements and Forced Exercise (FE) Cycling to Improve Balance and Mobility in a Community-Dwelling Adult with Early Onset Parkinson’s Disease: A Case Report”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Indianapolis, IN, February 2015; poster format

Saverino MC, McAllister KM, Corker TR, Sakar BR, Hakim RM. “A Systematic Review of the Effects of High Intensity Treadmill Training on Balance and Mobility in Adults with Parkinson’s Disease”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Indianapolis, IN, February 2015; poster format

Afshari CD, Bencivengo AM, Morris BT, Page JA, Hakim RM. “The use of virtual reality integrated robotics to improve upper extremity function in patients with chronic stroke: A systematic review”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Indianapolis, IN, February 2015; poster format

Kopack J, Malone AM, Salvo CJ, Sofia MJ, Hakim RM. “A Systematic Review on the Effect of Split-Belt Treadmill Training (SBTT) in Patients with Hemiplegic Gait”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Las Vegas NV, February 2014; poster format

Blecher K, Rothchild J, Stefani A, Hakim RM. “A Systematic Review of the Effectiveness of the Nintendo Wii Fit as an Intervention for Balance Training in Community-Dwelling Older Adults”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Las Vegas NV, February 2014; poster format

Fluehr C, Insixiengmay T, Marley C, Tansits M, Hakim RM. “A Systematic Review of Community-Based Fall Prevention Programs to Reduce Falls in Non-Institutionalized Older Adults”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Las Vegas NV, February 2014; poster format

Frey C, Spadoni K, Hakim, RM. “Assessing Fall Risk Using Clinical Balance Measures In Persons With Lower Extremity Amputations”



- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, January 2013; poster format

Hakim RM, Hindman J, Horne M, Kyle K. “Case Report: Use Of The Xbox 360 Kinect Gaming System To Improve Balance In A Community-Dwelling Adult With A History Of Recurrent Cerebellar Meningioma”

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, January 2013; poster format

Gildea MK, Gregowicz C, Liccione T, Schrecengost N, Hakim RM. “The Effects of External Cueing as a Strategy to Improve Outcomes of Balance and Gait in the Rehabilitation of Patient’s with Parkinson’s Disease: A Systematic Review”

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, January 2013; poster format

Dorsett K, Hickey E, Hoffman H, Maggipinto A, Moore C, Hakim RM. “A Systematic Review Of The Effectiveness Of Virtual Reality Analgesia In The Pediatric Burn Population During Physical Therapy”

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, January 2013; poster format

DeMark L, Hakim RM. “Case Report: A Computerized Visual-Feedback Force Plate System Program Combined with Task-Oriented Physical Therapy to Improve Balance and Mobility in an Adult With Spinocerebellar Ataxia”

- Presented nationally at the Conference & Exposition of the APTA, Tampa, FL, June 2012; poster format

Hakim RM, Balent A, Keyasko M, McGlynn D. “Use Of The Nintendo Wii Gaming System To Improve Balance In A Community-Dwelling Older Adult With Peripheral Neuropathy And A History Of Recurrent Near Falls: A Case Report”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Chicago, IL, February 2012; poster format

Densevich A, Gamrat J, Niznick A, Salerno M, Hakim RM. “A Systematic Review of the Effectiveness of the Nintendo Wii Gaming System to Improve Balance in Older Adults”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Chicago, IL, February 2012; poster format.

Kyle K, Horne M, Hindman J, Hakim RM. “A Systematic Review of the Effectiveness of Virtual Reality-Based Rehabilitation to Improve Gait in Patients Post Stroke”

- Presented nationally at APTA National Combined Sections Meeting (CSM), Chicago, IL, February 2012; poster format.

Bellomo H, Frey C, Kreshock A, Spadoni K, Hakim RM. "A Systematic Review To Select the Most Appropriate Outcome Measures for the Assessment of Balance and Mobility in Patients with Lower Extremity Amputation"

- Presented nationally at APTA National Combined Sections Meeting (CSM), Chicago, IL, February 2012; poster format.

Hakim RM, Haladay DE, Beskal J, Shipe D. "Use of a Computerized Dynamic Posturography (CDP) System to Improve Balance in an Adult with Multisensory Dysequilibrium and a History of Recurrent Near Falls: A Case Report."

- Presented nationally at APTA National Combined Sections Meeting (CSM), New Orleans, LA, February 2011; poster format.

Balent A, Keyasko M, McGlynn D, Hakim RM. "A Systematic Review of the Effectiveness of Virtual Reality-Based Rehabilitation to Improve Standing Balance in Adults."

- Presented nationally at APTA National Combined Sections Meeting (CSM), New Orleans, LA, February 2011; poster format.

Hakim RM, DeMark L, Guobadia E. "Case Report: A Computerized Dynamic Posturography Program Performed in Sitting to Improve Balance and Mobility in an Adult with Severe Chronic Cerebellar Stroke."

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, February 2010; poster format.

Leininger PM, Hakim RM, Newton RA. "Hatha Yoga Improves Ability to Rise from the Floor in Community Dwelling Older Adult Women."

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, February 2010; poster format.

Hakim RM. "A Model for Fall Risk Reduction in Community-Dwelling Older Adults Using Social Cognitive Theory."

- Presented internationally at International Association of Gerontology & Geriatrics (IAGG) - Paris, FR, July 2009; poster format.

Hakim R, Leininger P, Collins T. "Outcomes of a Modified Constraint Induced Movement Therapy (mCIMT) Program with One Year Booster Training for Adults with Chronic Stroke."

- Presented nationally at APTA National Combined Sections Meeting (CSM), Las Vegas, NV, February 2009; poster format.

Leininger PM, Hakim RM, Wagner BR. "Comparison of a Clinical Balance Test to a Computerized Balance Testing System When Assessing Balance Ability in Healthy Community- Dwelling Older Adult Women."

- Presented nationally at APTA National Combined Sections Meeting (CSM), Las Vegas, NV, February 2009; poster format.

Hakim RM, Sanko J, Leininger PM. "Case Report: Use of a Computerized Dynamic Posturography System to Improve Balance in an Adult with Brainstem Stroke."

- Accepted for presentation internationally at 6th World Stroke Congress, Vienna, Austria, September 2008.

Hakim RM, Davies L, Jaworski K, Tufano N, Unterstein A. "Case Report: A Computerized Balance Training Program to Reduce Fall Risk in a Community Dwelling Older Adult with Chronic Stroke."

- Presented nationally at APTA National Combined Sections Meeting (CSM), Nashville, TN, February 2008; poster format.

Collins T, Corsetti M, L'Heureux A, McGeehan E, Hakim RM. "Using a Computerized Balance Training System to Improve Static and Dynamic Balance in an Individual with Multiple System Impairments: A Case Report."

- Presented nationally at APTA National Combined Sections Meeting (CSM), Nashville, TN, February 2008; poster format.

Fetherman D, Hakim RM, Sanko J. "The Effectiveness of a Strength Training Program for Community-Dwelling older Women using the Transtheoretical Model of Behavioral Change."

- Presented nationally at Art and Science of Health Promotion Conference, San Diego, CA, March 2008; poster format.

Hakim RM, O'Brien A, Dooley J, Runco W. "A Bad Ragaz Ring Method aquatic program to improve balance-related measures for community-dwelling older adults with arthritis."

- Presented nationally at APTA National Combined Sections Meeting (CSM), Boston, MA, February 2007; platform format.

Hakim RM, Driscoll E, Ricci J, Szasz T. "Case Report: A modified constraint induced movement therapy program for the upper extremity of a community-dwelling male with severe chronic hemiplegia".

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego CA, February 2006; poster format.

Cissel E, Cours J, Teel S, Hakim R. "A cross-sectional study of balance-related measures with older adults who participate in tai chi, yoga, or no exercise."

- Presented nationally at APTA National Combined Sections Meeting (CSM), San Diego, CA, February 2006; poster format.

Hakim RM, Bores C, Cooper J. "A Comparison of Wearing Footwear vs. Bare Feet on Performance of the Berg Balance Scale and the Functional Reach Test in Community-Dwelling Older Adults."

- Presented nationally at APTA National Combined Sections Meeting (CSM), New Orleans, LA, February 2005; poster format.

Knueven L, Collins J, Jamieson J, Hakim R, Sensbach K. "Case Report: Effects of Hippotherapy on Balance and Functional Performance in a Child with a Neurological Disorder."

- Presented nationally at APTA National Combined Sections Meeting (CSM), New Orleans, LA, February 2005; poster format.

Roginski A, Walker J, Hakim RM. "A Comparison of Fall Risk Education Methods for Community-Dwelling Older Adults."

- Presented nationally at APTA National Combined Sections Meeting (CSM), Nashville, TN, February 2004; poster format.

Leininger P, Hakim RM, Spencer J, Wagner BR. "A Comparison of Balance Abilities of Healthy Active Community-Dwelling Older Adults Trained and Not Trained in Yoga."

- Presented nationally at APTA Annual Conference, Washington, DC, June 2003; poster format.

Leininger P, Hakim RM, Spencer J, Wagner BR. "The Need for Appropriate Balance Tests when Assessing the Effects of Yoga Training on Balance Abilities in Healthy Active Community-Dwelling Older Adults."

- Presented at the 50th annual American College of Sports Medicine (ACSM), San Francisco, CA, May 2003; poster format.

Hakim RM, Wagner BR. "Social Involvement and Quality of Life Status of Wheelchair Athletes with Spinal Cord Injuries."

- Presented nationally at APTA Combined Sections Meeting, Tampa, FL, February 2003, poster format.

Kelly S, Hakim RM, Healy B, Krempasky J, Moore S. "Forced-Use of the Upper Extremity in a Person with Chronic Stroke: An Assessment of Treatment Time and Quality of Movement."

- Presented nationally at APTA Combined Sections Meeting, Tampa, FL, February 2003, poster format.

Balzano JM, Burke JL, Hoy TW, Roberts EM, Hakim RM. "A Comparative Study of Balance Measures Among Elderly Persons Participating in Tai Chi or Structured Exercise Programs."

- Presented nationally at APTA Combined Sections Meeting, Tampa, FL, February 2003, poster format.

Hakim RM, Segal J, Newton RA, DuCette J. "A Fall Risk Reduction Intervention for Community-Dwelling Older Adults."

- Presented nationally at APTA Combined Sections Meeting, Boston, MA, February 2002; poster format.

Wagner BW, Hakim RM. "Utilizing Generic Abilities to Facilitate Professional Development in a Physical Therapy Curriculum."

- Presented nationally at APTA Combined Sections Meeting, San Antonio, TX, February 2001; platform format.

Hakim RM, Wagner BR. "Integration of Service-Learning into Physical Therapy Curriculum."

- Presented nationally at APTA Combined Sections Meeting, New Orleans, LA, February 2000; poster format.

Hakim, RM. "Case Study: A Contemporary Approach to Balance Training Using Gentile's Taxonomy of Movement Tasks."

- Presented nationally at APTA Combined Sections Meeting, Seattle, WA, February 1999, poster format.

Hakim RM. "Factors Associated with Falls of Geriatric Residents in a Skilled Nursing Facility."

- Presented nationally at APTA Combined Sections Meeting, Atlanta, Georgia, February 1996; poster format.

Hakim RM, Delitto A, Perry SB, Borello-France D. "The Effect of Isokinetic Training on Temporal-Distance Gait Variables of Persons with Hemiplegia".

- Presented internationally at the World Confederation of Physical Therapy Congress, Washington, D.C. June 1995; poster format.

Hakim RM, Gruen GS, Delitto A. " Outcomes of Patients Following Multiple Trauma with Unstable Pelvic Ring Fractures Managed by Open Reduction with Internal Fixation".

- Presented nationally at APTA Combined Sections Meeting , New Orleans, LA, February 1993; poster format.

### **Funded/In Review Grant Activity**

The Initiative for Creative Endeavors (ICE) Grant for \$4,000 - Hakim RM, Ross M, Zhang X. "Virtual Reality Enhanced Rehabilitation Robotics to Train Grasp and Manipulation in Patients with Orthopedic Disorders of the Wrist and Hand"; Awarded in Spring 2014.

University of Scranton Internal Research Fund (IRF) Grant awarded for \$3,000 - Hakim RM, Ross M. "A Robotic and Virtual Reality Assisted Rehabilitation Device for Patients with Orthopedic Disorders of the Upper Extremity"; Awarded in Spring 2014.

Marywood University/University of Scranton Cooperative Grant Program award for \$8,929.51 - Hakim RM, Hutchings BL, Runco W, Ross MD, Kane MT. "A Community-Based Aquatic Exercise Program to Improve Endurance, Mobility, Self-Esteem and Health-Related Quality of Life (HRQOL) in Community-Dwelling Adults with Mild to Moderate Intellectual Disability (ID)"; Awarded in Summer 2013.

University of Scranton Teaching Enhancement Grant for \$1,783.38 - Hakim RM; Provided materials to enhance laboratory experiences for physical therapy (PT) students in the area of task-specific testing and training for patients with neurologic dysfunction; Awarded in Fall 2012.

University of Scranton Information Literacy Stipend for \$1,000 – Hakim RM; Journal Club project integrating evidence into clinical practice in PT 712 Neurologic PT II; Library Advisory Committee; Fall 2010.

University of Scranton Internal Grant awarded for \$2,000 - Hakim RM; “The Impact of a community-based fall prevention intervention, *A Matter of Balance (MOB)*, using a volunteer lay leader model”; Office of Research Services (ORS); Awarded in Spring 2010.

University of Scranton Web-Based Course Development Grant awarded for \$3,000 - Hakim RM; PT 556T Motor Control/Motor Learning; Spring 2006 - Internal Grant: Center for Teaching and Learning Excellence (CTLE).

Leahy Center Grant awarded for \$10,000 - Hakim RM, Leininger P, Collins T. “A Modified Constraint-Induced Movement Therapy (CIMT) Program for Individuals with Chronic Stroke”; 2003-2004 - Edward R. Leahy, Jr. Center for Faculty Research.

University of Scranton Web-Based Course Development Grant awarded for \$2,000 - Hakim RM; PT 751T Evidence-Based Practice; Spring 2004 - Internal Grant: Center for Teaching and Learning Excellence (CTLE).

University of Scranton Internal Grant awarded for \$1500 - “A Fall Risk Reduction Intervention for Community-Dwelling Older Adults”, Hakim RM, Segal J, Newton R, DuCette J; Dissertation research; Fall 2000 - Office of Instructional Development (OID).

University of Scranton Internal Grant awarded for \$1,383.77 - “Social Involvement and Quality of Life Status of Wheelchair Athletes with Spinal Cord Injuries”, Hakim RM, Wagner B; Spring 1999 - Office of Instructional Development (OID).

### **Current/Active Research Activity**

#### *Implementation/Data Collection:*

- Hakim RM, Ross M, Bishop B. “Virtual Reality Enhanced Haptic Robotics to Train Grasp and Manipulation in Patients with Orthopedic Disorders of the Wrist and Hand”
- Systematic Reviews: faculty-directed student groups

#### *Data Analysis:*

- Systematic reviews: faculty-directed student groups

#### *Manuscript Preparation:*

- Hakim RM, Fitzgerald C, Palladino E, Scully SJ. Functional Outcomes of Patients with Orthopedic Diagnoses Receiving *Pro Bono* Physical Therapy Services in a Student-Run Clinic: A Retrospective Study

### **Membership in Scientific/Professional Organizations**

American Physical Therapy Association (APTA) 1990-present

*Section member:* Neurology, Education, Geriatric, Research

- Nominating Committee of Balance & Falls Special Interest Group (SIG) 2009 - 2012
- Secretary of Stroke Special Interest Group (SIG) 1999 - 2002
- PPTA Northeast District Continuing Education Co-Chair; 1996 - 1998

American Association of University Professors (AAUP) 1996-present

### **Consultative and Advisory Positions Held / Community Service**

Independent Reviewer for Wellness Grants; Individual Abilities in Motion ("I AM"); Spring 2019 - present

Advisory Committee for Senior Companions Program / Telespond Senior Services, Inc.; 1999 – 2006

Board of Directors for Telespond Senior Services, Inc.; 2000 - 2003

Prime Time Health Task Force for Lackawanna Geriatric Health Care Center; Fall 2000 – 2003

### **Service to the University**

#### ***University-wide***

Board on Rank and Tenure; 2019/2020 (elected/recused), 2015/2016, 2014/2015, 2011/2012, 2008/2009, 2007/2008

Faculty Research Committee (Review of internal grant, sabbatical and patent applications); Fall 2013 – Spring 2019

Faculty Senate, Fall 2017 - Spring 2019, Fall 1999 - Spring 2001; Senate Budget & Planning Committee; Fall 1999 - Spring 2001

Doctor of Business Administration (DBA) Oversight Committee, Kania School Of Management, Spring 2019 - present

Faculty Mentor/Mentee Program (Center for Teaching and Learning Excellence): 2015/2016, 2014/2015, 2010/2011, 2009/2010

Honors Thesis Reader: Post-Concussion Case Study with a Focus on Aerobic and Vestibular Eye Therapy by Theresa Webster (Pre-Med Major); 2016-2017

Honors Thesis Reader: Effects of Balance and Progressive Strengthening Exercises and Motivational Implementation on Mobility, Fall Risk, Self-Efficacy and Exercise Adherence in Older Adults by Julianne M. Nielsen (Nursing Major); 2013-2014

Faculty Student Research Program (FSRP); Fall 2000 - present

Committee on Program Directors; Led by Dr. Joseph Driesbach, Acting Associate Provost; Spring 2010 – Spring 2011

Task Force on On-line and Web-based Courses and Programs; Led by Dr. Steven Jones, Associate Provost for Civic Engagement and Academic Mission; Spring 2010

Honors Program Faculty Advisor; 1999 - 2000, 2000 – 2001, 2013-2014

Honors Program Council; 2001 - 2004

Middle States Periodic Review Report: Programs, Library, & Learning Resources Subcommittee; Spring 2002

Affirmative Action Committee; 1999 - 2001

Gavigan College Faculty Associate; 1999 - 2000

### ***College/School***

Chair, Occupational & Physical Therapy Department Review Board (OT/PT DRB); Fall 2004 – present; DRB member 1996-present

PCPS Community-Based Learning Committee, Fall 2016-present

Dean's Conference: PCPS; college-wide present, 2000/2001, 2003/2004

Graduate School Dean's Conference; Fall 2004 - Spring 2015

Tenured Associate: Exercise Science & Sport Department 2019-present, 2009-2010; Occupational Therapy Department Fall 2016, 2006; Health Administration/Human Resources Department 2005-2007.

Service Learning Liaison for Dept. of PT; 1997- 2005

### ***Department***

Chairperson, Department of Physical Therapy; Summer 2019 - Present

Interim Chairperson, Department of Physical Therapy; Fall 2018 - Spring 2019

Director of *pro bono*, student-run PT Clinic in Leahy Community Health and Family Center (LCHFC); Fall 2015 - present.

Program Director, Doctor of Physical Therapy (DPT) Program; Fall 2014 - present

Admissions Committee, Department of Physical Therapy; Fall 2018 - present

Assessment Committee, Department of Physical Therapy; Fall 2018 - present

Graduate Student Research Advisor; 1997 - present



Program Director, Transition Doctor of Physical Therapy (tDPT) Program ; Fall 2004 - 2013

Moderator of the Physical Therapy Club; 1996 - 2011

### **Honors and Awards**

Provost Faculty Enhancement Award - Excellence in Integrating Mission and Justice into the Curriculum – Hakim RM, Leininger PM, Schwartz J; Spring 2018

- Honors faculty members whose special efforts ensure that students have a keen understanding and appreciation of the realities of the world, including pressing justice issues in a local, national and global context.

Pennsylvania Physical Therapy Association (PPTA) Neurology Special Interest Group Award; Fall 2007

- Identified by peers as consistently demonstrating excellence in contributions to research, academia and patient care in the realm of neurologic physical therapy.

University of Scranton Graduate School Faculty Service Award; Spring 2006

- Presented in recognition of work done as Program Director of the Transition DPT program (including curricular development, faculty and administrative approval, and implementation of the distance education program)

### **Continuing Education Attended (past 5 years)**

APTA Combined Sections Meeting; Topics: Neurology track focus - Denver, CO, February 2020.

University of Scranton PT Research Symposium - Scranton, PA, November 2019.

Guest Speaker: Karla A Bell, PT, DPT, OCS, GCS, “Sexual and Gender Minority, Cultural Humility in Healthcare 101: Impacts on Healthcare Disparities” - November 19, 2019.

APTA Education Leadership Conference (ELC); Topics: Clinical Reasoning in PT, Epigenetics in PT Management, *pro bono* PT Clinics, Use of clinical simulation in PT education - Bellvue, WA, October 2019.

APTA Combined Sections Meeting; Topics: Neurology track focus - Washington, DC, January 2019.

University of Scranton PT Research Symposium - Scranton, PA, November 2018.

APTA Combined Sections Meeting; Topics: Neurology track focus - New Orleans, LA, February 2018.

University of Scranton PT Research Symposium - Scranton, PA, November 2018.

Pedagogy Workshop: “Active Learning Strategies for Large Groups in the Classroom”, Dr. Amy Simolo, Faculty Development Specialist, University of Scranton, Center for Teaching and Learning Excellence (CTLE); August 22, 2018.

APTA Combined Sections Meeting; Topics: Neurology track focus - New Orleans, LA, February 2018.

APTA Combined Sections Meeting; Topics: Neurology track focus - San Antonio, TX, February 2017.

University of Scranton PT Research Symposium - Scranton, PA, November 2016.

APTA Combined Sections Meeting; Topics: Neurology track focus - Anaheim, CA, February 2016.

University of Scranton PT Research Symposium – Scranton, PA, November 2015.

APTA Combined Sections Meeting; Topics: Neurology track focus - Indianapolis, IN, February 2015.

### **Current Teaching Responsibilities (AY 2020-2021)**

#### *Fall Semester:*

PT 712	Neurological PT II & Laboratories
PT 771	Scientific Inquiry I
PT 773	Scientific Inquiry III

#### *Spring Semester:*

PT 744	Motor Control / Motor Learning & Laboratories
PT 772	Scientific Inquiry II