

Baylor Institute for Rehabilitation

And

Texas Woman's University

**Residency in Neurologic Physical Therapy
Application**

2016-2017

Application Deadline: January 8, 2016

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Residency Mission Statement

The mission of the Baylor Institute for Rehabilitation (BIR) and Texas Woman's University (TWU) Residency in Neurologic Physical Therapy is to promote excellent care in the lifespan of persons with neurologic injury across the continuum of care. This is accomplished through the evidenced based care provided by physical therapists. The curriculum is based on the most recent Description of Specialty Practice (DSP) in Neurologic Physical Therapy developed by the Specialty Council on Neurologic Physical Therapy. The program is coordinated between two BIR facilities (Outpatient Rehabilitation at Tom Landry Center and Dallas Main Inpatient Rehabilitation), the acute care hospital at Baylor University Medical Center and TWU over the term of one year.

The resident will receive an Academic Certificate in Advanced Neurologic Physical Therapy from TWU and a certificate of completion from the BIR-TWU Residency in Neurologic Physical Therapy Program. The education and experience the resident gains during their clinical residency is designed to prepare the residents for the APTA specialist certification examination in neurologic physical therapy to become a Board Certified Clinical Specialist in Neurologic Physical Therapy (NCS).

Eligibility

The residents must have a license to practice physical therapy in the state of Texas and meet all requirements necessary for admission to TWU School of Physical Therapy Graduate School **prior to** beginning the residency in May. Residents must be eligible for employment according to BIR's hiring requirements and submit all application materials **by January 8, 2016**.

Requirements to Apply

- Completion of all required application documents
- Eligibility for license of physical therapy in Texas by the residency start date
- Excellent communication skills
- Physical ability to perform examination and treatment procedures
- Psychological and social stability required for successful completion of the program
- Evidence of commitment to a career in Neurologic Physical Therapy
- Strong skills in scientific inquiry and writing

General Information

- **Length of Study:** 12 months with program entrance date the last Friday in May of each new resident program year.
- **Salary:** Residents will receive a salary as an employee of Baylor Institute for Rehabilitation equivalent to new graduate physical therapists.
- **Caseload:** Resident caseload will be adapted to allow time for didactic coursework, research, mentoring, presentations and projects.
- **Benefits:** Residents are eligible for benefits as an employee of BIR. This includes employer supported health insurance and paid time-off (vacation, sick time, and organization holidays). Applicants are directed to the Baylor Institute for Rehabilitation-Select Medical joint venture website for a general description of benefits.

<http://careers.bir-rehab.com/Benefits.aspx>

Note: There is a 60 day waiting period before insurance and time off benefits can be utilized (August 2016).

- **Overview:** The program is designed to provide residents with a minimum 12 month intensive study in the area of Neurologic Physical Therapy, preparing the residents to sit and pass the Neurologic Physical Therapy Specialty Exam administered by the American Board of Physical Therapy Specialties (ABPTS). The program covers the continuum of care and includes direct patient care, mentoring time, didactic education, projects and presentations.

Didactic Curriculum

TWU CURRICULUM FOR CLINICAL RESIDENCY IN NEUROLOGIC PHYSICAL THERAPY

Length: 3 semesters (Summer, Fall, Spring) over 1 year

Course fees: The resident is expected to pay tuition for TWU courses. Price will vary per year and on average can range from \$1000 (In-state Texas tuition) to \$3000 (Out-of-state tuition) per course

June - August 2016 (Summer session):

PT 6903 Neuroanatomy and Physiology 3 credit hours

Weekend format - onsite at TWU

Cadaver prosection

PT 6403 Neuromuscular Integration & Application 3 credit hours

Weekend format - onsite at TWU

August – December 2016 (Fall semester):

PT 6123 Patient Client Management 3 credit hours

Hybrid onsite at TWU and Internet (50% internet, 50% onsite)

January – May 2017 (Spring semester):

PT 6913 Independent Study: Clinical Research Project 3 credit hours

Hybrid onsite at TWU and Internet (50% internet, 50% onsite)

Upon successful completion, Residents will earn a “Certificate in Advanced Neurologic Physical Therapy” from TWU. All credit bearing courses will appear on the resident’s official transcript and may be used toward future academic degrees such as a transitional DPT, advanced master’s degree, or a PhD. In addition, residents may apply university credits toward continuing education units for licensure renewal in Texas (see www.tpta.org).

Clinical Sites: BIR Outpatient Rehabilitation @ Tom Landry Health & Wellness Center

The Physical Therapy department at the Tom Landry Health & Wellness Center provides specialized Physical, Occupational and Speech therapy for individuals with life-changing injuries and illnesses. The Tom Landry Center offers:

- Aquatic Therapy and other Specialized Therapy
- One on one evaluation and treatment
- Evidence based practice
- Clinical staff with advanced certifications in neurologic certified specialists, hand rehabilitation, lymphedema, athletic training, manual therapy and running coach (RRCA).
- APTA accredited Women's Health Residency Program
- Association with an Academic Medical Center, working closely with physicians

At the BIR Tom Landry Health & Wellness Center, physical therapists provide treatment and education in all areas of outpatient neurologic physical therapy. The resident will be exposed to patients with diagnoses including stroke, brain injury, spinal cord injury, Parkinson disease, multiple sclerosis, and vestibular dysfunction. Residents will use clinical decision making and differential diagnosis to individualize treatment plans and educate patients at various points throughout their disease course. Furthermore, the resident will be exposed to non-traditional components of the outpatient continuum: Day Neuro (a day treatment program) and Real Life Rehab (a home based program). Participation in specialty clinics such as ALS clinic, wheelchair clinic, amputee clinic, and Parkinson Aquatics class is provided. While at the Tom Landry Health & Wellness Center, the resident will spend time learning and experiencing care through both land and aquatic therapy. As with all the centers included in the residency, the resident will provide treatment for patients with neurologic diagnoses at a key moment along their continuum of recovery.

Clinical Sites: Acute Care / Neuro ICU at Baylor University Medical Center

Residents will participate in a 4 week acute care rotation at Baylor University Medical Center which will include exposure to patients on the general neurology floors as well as the neurology and neurotrauma intensive care units. Residents will have the opportunity to work with other acute care team members to include: physical therapy, occupational therapy, speech language pathology, and social work as they provide care and services to patients in the acute / critical illness portion of the treatment continuum.

Clinical Sites: BIR Inpatient Rehabilitation

BIR Dallas Main Inpatient Rehabilitation is located on the second floor of the 92-bed free standing rehabilitation hospital. It offers comprehensive inpatient physical therapy, occupational therapy, speech-language pathology, and neuropsychology services. BIR is one of 14 nationally designated TBI Model Systems selected by the National Institute on Disability and Rehabilitation Research. Our physical therapy services include:

- Stroke
- Traumatic Brain Injury
- Spinal Cord Injury / Spinal Surgery
- CNS tumors / Cancer
- Neurologic and Degenerative Diseases – Multiple Sclerosis, Parkinson Disease, Post-Polio Syndrome and Guillain Barre Syndrome
- Organ Transplant – liver, lung, heart, kidney, pancreas
- Amputation Management
- Left Ventricular Assistive Device (LVAD)
- Multiple Trauma / General Orthopedics
- Medical Complexity
- Vestibular and Balance Rehabilitation
- Aquatics
- Wheelchair Seating and Positioning
- Body Weight Supported Treadmill Training / Lite Gait

Baylor Institute of Rehabilitation inpatient therapists hold advanced certifications including:

- Neurologic Clinical Specialist (NCS)
- Neuro-IFRAH (Integrative Functional Rehabilitation and Habilitation)
- Neurodevelopmental Treatment (NDT)
- Certified Brain Injury Specialist (CBIS)
- Vestibular Rehabilitation Specialist

At Baylor Institute for Rehabilitation, physical therapists provide treatment and education in all aspects of inpatient neurologic physical therapy. Residents will be active members of each treatment team for 8 weeks as they rotate through the Spinal Cord Injury, Traumatic Brain Injury and CVA/General Neuro services. While in the inpatient setting there will be opportunities to observe pediatric patients with neurologic/developmental diagnoses at Our Children's House, inpatient aquatic therapy, and Real Life Rehab – a specialized neurologic home care program in the Baylor System. The expectation is for the resident to utilize evidence based objective measures, interventions and treatment, teaching and educational practices and clinical decision making in the therapeutic process for each patient, family, and caregiver while in the inpatient continuum of recovery.

Clinical Faculty: BIR Outpatient Rehabilitation @ Tom Landry Health & Wellness Center



Chad Swank, PT, PhD, NCS
Assistant Professor, TWU

Chad attended Regis University and graduated with a M.S. in Physical Therapy in 1998. He earned his NCS in 2004 with renewal in 2014 and received his PhD from TWU in 2011.

Chad has worked with neurologic patients at sites across the continuum of care including ICU neurotrauma, inpatient rehabilitation, and post-acute brain injury clinic. He has been at Baylor Institute for Rehabilitation Outpatient Services since 2005. Since then, he has developed a niche in the degenerative disease practice area. He has taught continuing education courses on topics of Neuroimaging and Vestibular Rehabilitation in Texas and lectured at various physical therapy programs in the region. His research interests include examining the role of physical activity on cognition in persons with neurologic injury.



Terri Odom, PT, MS

Terri attended Texas Woman's University – Dallas Campus and graduated with a M.S. in Physical Therapy in 1994.

Terri has worked with neurologic patients at sites across the continuum of care for her entire career at Baylor, including acute care, inpatient rehabilitation, and outpatient clinics. She has been at Baylor Institute for Rehabilitation Outpatient Services since 1997 in both clinical and administrative roles. Since then, she has developed an area of specialization in treating amputees and participates in a weekly multidisciplinary amputee clinic with Dr. Amy Wilson involving residents, students, prosthetists and physicians.

Clinical Faculty: BIR Inpatient Rehabilitation



Merri Leigh Johnson, PT, DPT, NCS

Merri Leigh attended Washington University in St. Louis where she graduated with a B.S. in Physical Therapy in 1988 and a post professional DPT in 2011. She obtained NDT certification in 1994 and earned her NCS certification in 2002 with re-certification in 2012.

The bulk of Merri Leigh's clinical practice has been in the acute rehabilitation setting with some time spent in acute care, outpatient neuro, and Real Life Rehab - a neuro specialized, team oriented home therapy program in the Baylor System. She has been at Baylor Institute for Rehabilitation inpatient services since 1988 specializing in treatment of patients with traumatic brain injury, stroke, and medical complexity. She has taught PT and PTA program content and continuing education courses in Texas in the areas of Traumatic Brain Injury, Neuroimaging, and Health Literacy. Her clinical interests are in Motor Learning, Evidence Based Practice, Health Literacy, Patient/Caregiver Educational Training and Clinical Education.



Shawn Baker, PT, DPT

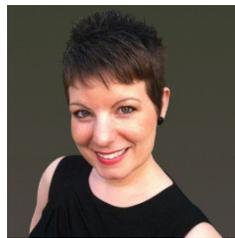
Shawn attended University of North Texas and graduated with a M.S. in Exercise Physiology in 1999. She then attended Hardin-Simmons University graduating with a MPT in Physical Therapy in 2001 and a Transitional DPT in 2005.

Shawn has been a PT at Baylor Institute for Rehabilitation Inpatient Services since 2002. Since then, she has developed an area of specialty practice in the area of cerebral vascular accident. Shawn became Neuro-IFRAH certified in 2005. She participates in clinical research related to body weight support locomotor treadmill training for gait recovery after stroke. She has also taught continuing education courses addressing rehabilitation of the hemiplegic patient.



Melissa Allman, PT, NCS, ATP

Melissa attended the University of Texas Health Science Center at San Antonio graduating with a Masters of Science degree in Physical Therapy in 2004. She has worked at Baylor Institute for Rehabilitation for 11 years, with an emphasis on spinal cord injury management for the last 7 years. Melissa received her neurological certified specialist (NCS) certification in 2010 and her assistive technology professional (ATP) license in December of 2011. Melissa has experience in a variety of settings to include acute care, neurological wheelchair seating clinics, inpatient rehab and home care.



Lauren Rachal, PT, DPT, NCS, CBIS

Lauren graduated from Washington University in St. Louis in 2008. She is the senior physical therapist on the brain injury team at Baylor Institute for Rehabilitation. Lauren completed the TWU-BIR residency program in 2013, becoming one of the first graduates from the program. During the residency she also sat for the NCS exam gaining certification in May 2013. She is currently developing research on dual-task performance following brain injury. She teaches brain injury content at PT and PTA programs and has presented at TPTA student conclave and continuing education courses. She is a member of the TBI Partnership Council to advise TBI Model Systems programming. Her interests also include complex gait training and creative interventions for low level brain injury. Lauren is also a certified brain injury specialist (CBIS) and APTA credentialed clinical instructor.



Craig Vanderlaan, PT, MS, CBIS

Craig is a graduate of Springfield (MA) College, earning his Masters of Science in Physical Therapy in 1995. Since then, he has worked with neurologic patients across the continuum including ICU neurotrauma, acute care, inpatient rehabilitation – pediatric and adult, and outpatient rehabilitation. Currently, he serves as a senior level PT on the TBI team at Baylor Institute for Rehabilitation (Inpatient division). Craig has earned certifications in Vestibular Rehabilitation and Neuro-Developmental Treatment. Additionally, he is a certified brain injury specialist (CBIS). He has extensive experience working with individuals with acquired brain injury including traumatic brain injury, stroke, and brain tumors. His clinical interests include vestibular rehabilitation and balance assessment/training.

Academic Faculty: Texas Woman's University



Linda Csiza, PT, DSc, NCS, Assistant Professor

As the academic coordinator for the BIR-TWU Residency in Neurologic Physical Therapy, Linda serves as the liaison for residents at TWU. Linda attended Texas Woman's University and graduated with a BS degree in PT in 1989. She completed her Advanced Master's degree in Physical Therapy from Rocky Mountain University of Health Professions in 2002. Linda received her Doctor of Science degree in Neurology from Rocky Mountain University of Health Professions in 2006. Linda teaches the management of neurological patients and the final therapeutic exercise course (complementary alternative medicine) in the entry level curriculum. Her research interests are in the assessment and rehabilitation of individual's with chronic disability such as people who have Multiple Sclerosis and Vestibular pathologies. Specific areas of interest are the development of intervention strategies in people with MS and fatigue and individuals with mal de debarquement.



Mary Thompson, PT, PhD, GCS, Professor

Mary Thompson attended the University of Kentucky and graduated with a B.H.S. in Physical Therapy in 1980. She earned her advanced M.S. in physical therapy with an emphasis in geriatrics in 1990 and became board certified in geriatric physical therapy (GCS) in 1992. Mary earned her PhD from the University of North Texas in 1996.

Mary maintains a clinical practice seeing older patients with a variety of neurologic and orthopedic problems. She is interested in conducting both qualitative and quantitative studies in areas of concern to older adults and therapists who work with them. In addition to geriatrics, her teaching interests include research and evidence based practice.

Application Process

To obtain an application contact the residency director:

Merri Leigh Johnson, PT, DPT, NCS
Physical Therapy Residency Director
Baylor Institute for Rehabilitation
909 N. Washington Avenue
Dallas, TX 75246
214-820-9579
Merljohnson@bir-rehab.com

In applying for admission the following materials must be submitted:

- a. The personal information application form
- b. A short essay describing the motivating factors influencing your decision to apply for a Neurologic Physical Therapy Residency. Please include your experiences in physical therapy that may have an effect on successful completion of the program. Indicate any strengths/weaknesses that might influence your pursuit of the program. Include educational, clinical, business administration, marketing and research experiences.
- c. Two letters of recommendation
- d. Current resume

Application deadline for Residency Year 2015-2016: January 8, 2016.

Once the completed application is received and reviewed, the interview committee will contact the applicants who have been selected for personal interview by January 22, 2016. Onsite interviews will be conducted in February/March 2016.

Acceptance into the program is pending the candidate meeting all conditions of employment of Baylor Institute of Rehabilitation and Texas Woman's University admission as well as having a License to practice Physical Therapy in the state of Texas by the residency start date of May 27, 2016.

The residency year 2016 - 2017 will begin May 27, 2016 and is expected to finish on May 26, 2017.

Application

Personal Information

Name: (First Middle Last)		
Mailing Address:	City, State	Zip
Permanent Address:	City State	Zip
Email Address	Daytime Phone Number	Evening Phone Number
Emergency Contact Information	Relationship to applicant	Day Phone
Address	Email Address	Evening Phone
<p>Are you currently a licensed physical therapist? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If yes, please provide state and license number</p> <p>If no, when are you planning on taking the National PT Board Exam?</p>		
<p>Are you a member of the APTA? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>		
<p>Are you a member of the Neurology Section? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>		