

CURRICULUM VITAE

Nyaz Didehbani, Ph.D.

OFFICE

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LICENSURE

State of Texas License #35018

CERTIFICATION

National Register of Health Service Providers in Psychology, Registrant #53199

EDUCATION

5/2009 Ph.D. Clinical Health Psychology, The University of North Texas

8/2007 to 8/2008 Predoctoral Internship in Clinical Psychology, Wayne State University, Detroit
APA approved. Focus: Clinical Neuropsychology/Health Psychology

12/2006 M.S. Psychology, The University of North Texas

5/2002 B.S. Biology, Baylor University

PROFESSIONAL EXPERIENCE

12/2015 to present Assistant Professor
University of Texas Southwestern Medical Center

12/2015 to present Adjunct Professor
University of Texas at Dallas

9/2011 to 11/2015 Research Clinician
University of Texas at Dallas

9/2009 to 9/2011 Post Doctorate Fellow
University of Texas at Dallas

8/2006 to 8/2007 Teaching Assistant, Social Psychology
University of North Texas

9/2005 to 8/2007 Research Assistant, Department of Psychiatry and Behavioral Health
University of North Texas Health Science Center,

9/2004 to Cognitive Re-training Technician
9/2005 Magnolia Work Skill, Dallas, TX

9/2003 to Therapy Assistant
9/2005 Autism Center (Carrollton, TX)

8/2002 to Research Coordinator
7/2003 PPD Phase 1 Clinic (Austin, TX)

ACADEMIC AWARDS AND PROFESSIONAL HONORS

Program Co-Chair, Sports Medicine Symposium, 2018

Career Institute in the Mental Health of Aging Mentoring Program, 2017

NIH LRP Ambassador, 2017-present

Faculty Co-Sponsor, Texas Institute for Brain Injury and Repair Journal Club, 2017-present

NIH Loan Repayment Program, 2015-2017

Friends of BrainHealth Distinguished Scientist Grant, 2013 & 2014

Early Career Psychologist Credentialing Scholarship, 2011

Raupe Scholarship Award, 2005

Presidential Scholarship, Baylor University, 1998-2002

Service Merit Award Alpha Phi Omega, Baylor University, 2001 & 2002

Vice-President Psi Chi, Baylor University 2001-2002

PROFESSIONAL COMMITTEES

Education Chair, Sports Neuropsychological Society, 2017-present

Education Committee & Program Committee, Sports Neuropsychological Society, 2016-2017

Program Committee, International Neuropsychological Society, 2015, 2017-2018

Program Logistical Chair, Sports Neuropsychological Society, 2015-2016

Sponsorship Coordinator, Sports Neuropsychological Society, 2013-2014

Program Committee, Sports Neuropsychological Society 2012-2013

Cognitive Neuroscience, 2008-2010

Student Liaison, Texas Psychological Association, 2005

PROFESSIONAL AFFILIATIONS

Sports Neuropsychology Society

International Neuropsychological Society

National Academy of Neuropsychology

American Psychological Association

Texas Psychological Association

Phi Kappa Phi, National Honor Society

EDITORIAL FUNCTIONS

Ad hoc Reviewer for *The Clinical Neuropsychologist*

Ad hoc Reviewer for *Psychology of Sport & Exercise*

Ad hoc Reviewer for *European Journal of Neuroscience*

Ad hoc Reviewer for *Transactions on Learning Technologies*

Ad hoc Reviewer for *Gerontologist*

Ad hoc Reviewer for *Computers in Human Behavior*

Reviewer for poster submissions to the International Neuropsychological Society (2015, 2016)

Reviewer for essay submissions for the Kaplan Scholarship for the National Academy of Neuropsychology (2016, 2017)

DOCTORAL TRAINEE and DISSERTATION COMMITTEE

Fields, L.M. (2016). Neurocognitive Mechanisms Underlying Word Retrieval Ability. SMU.

Wilmoth, K.M. (2018). Outcomes Following Sports-Related Concussion in School-Aged Children and Adolescents: The Influenced of Psychological Factor. UTSW.

PUBLICATIONS

*Schaffert, J., Lobue, C., **Didehbani, N.**, Rosetti, H., & Cullum, C.M. (2018). Traumatic Brain Injury History is Associated with an Earlier Age of Dementia Onset in Autopsy-confirmed Alzheimer's Disease. *Neuropsychology*. doi.org/10.1037/neu0000423 ****Selected as an APA Spotlight article**

Kozel, A., Motes, M., **Didehbani, N.**, DeLaRosa, B., Bass, C., Schraufnagel, C.D., Morgan, C.R., Jones, M.S, Spence, J.S., & Hart, J. (2018). Repetitive TMS to augment cognitive processing therapy in combat veterans of recent conflicts with PTSD: A randomized clinical trial. *Journal of Affective Disorders*, 229 506-514.

*Wilmoth, K., LoBue, C., Clem, M. A., Reddy, R., Hynan, L. S., **Didehbani, N.**, Bell, K., Womack, K., Hart, J., Batjer, H., & Cullum, C. M. (2018). Consistency of Traumatic Brain Injury Reporting in Older Adults With and Without Cognitive Impairment. *The Clinical Neuropsychologist*. doi:10.1080/13854046.2017.1378371

Didehbani, N., Wilmoth, K, Fields, L, LoBue, C, Strain, J, Spence, J, Dieppa, M, Cullum, M, & Hart, J. (2017). Reliability of Self-Reported Concussion History in Retired NFL Players. *Annals of Sports Medicine*, 4(4) 11-15.

*Lobue, C., Cullum, C.M., **Didehbani, N.**, Yeatman, K., Jones, B., Kraut, M.A., & Hart, J. (2017). Neurodegenerative Dementias after Traumatic Brain Injury. *The Journal of Neuropsychiatry and Clinical Neurosciences*. doi.org/10.1176/appi.neuropsych.17070145

*Strain, J., **Didehbani, N.**, Spence, J., Conover, H., Bartz, E.K., Mansinghani, S.M., Jeroudi, M.K., Rao, N.K., Fields, L., Kraut, M.A., & Cullum, C.M., Hart, J., & Womack, K.B. (2017). White matter changes and confrontation naming in retired aging National Football League athletes, *Journal of Neurotrauma* 33, 1-8.

*Fratantoni, J. M., DeLaRosa, B. L., **Didehbani, N.**, Hart, J., & Kraut, M. A. (2017). Electrophysiological Correlates of Word Retrieval in Traumatic Brain Injury. *Journal of Neurotrauma*, (ja). doi:10.1089/neu.2016.4651.

*Lobue, C., Wadsworth, H., Wilmoth, K., Clem, M., Hart, J., Womack, K.B., **Didehbani, N.**, Lacritz, L.H., Rosetti, H.C., & Cullum, C.M. (2017). Traumatic brain injury history is associated with earlier age of onset of Alzheimer disease. *The Clinical Neuropsychologist*, 31, 85-98.

Gallen, C.L., Baniqued, P. L., Chapman, S.B., S., Aslan, S., Spence, J., Keebler, M., **Didehbani, N.**, & D'Esposito, M. (2016). Modular brain network organization predicts response to cognitive training in older adults. *Plos One*. doi: 10.1371/journal.pone.0169015.

Didehbani, N Allen, T.T., Shad, M.U., Kandalaft, M.R., C.A., Krawzyk, D.C., & Chapman, S.B. (2016). Virtual Reality Social Cognition Training for children with high functioning autism. *Computers in Human Behavior*, 62, 703-711.

Kozel, A., **Didehbani, N.**, DeLaRosa, B., Bass, C., Schraufnagel, C.D., Morgan, C.R., Jones, M.S, Spence, J.S., & Hart, J. (2016). Factors impacting functional status in veterans of recent conflicts with PTSD. *The Journal of Neuropsychiatry and Clinical Neurosciences*, 28 (2) 112-117.

Chapman, S.B., Aslan, S., Spence, J.A., Keebler, M.W., DeFina, L.F., **Didehbani, N.**, Perez, A.M., Lu, H., & D'Esposito. (2016). Distinct brain and behavioral benefits from cognitive vs. physical training: A randomized trial in aging adults. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2016.00338

*Strain, J., Womack, K.B., **Didehbani, N.**, Spence, J., Conover, H., Hart, J., Kraut, M.A., & Cullum, C.M. Imaging Correlates of Memory and Concussion History in Retired National Football League Athletes. (2015) *JAMA Neurology*, 72(7), 773-780.

Chapman, S.B., Aslan, S., Spence, J.S., Hart, J.J., Bartz, E.K., **Didehbani, N.**, Keebler, M.W., Gardner, C.M., Strain, J.F., DeFina, L.F. & Lu, H. (2015). Neural mechanisms of brain plasticity with complex cognitive training in healthy seniors. *Cerebral Cortex*, 25(2,) 396-405.

Krawzyk, D.C., Kandalaft, M.R., **Didehbani, N.**, Allen, T.T., Tamminga, C.A., & Chapman, S.B. (2014). An investigation of reasoning by analogy in schizophrenia and Autism Spectrum Disorder. *Frontiers in Human Neuroscience*, 8, 517. doi: 10.3389/fnhum.2014.00517

Chapman, S.B., Aslan, S., Spence, J.S., DeFina, L.F., Keebler, M.W., **Didehbani, N.** & Lu, H. (2013). Shorter-term aerobic exercise improves brain, cognition, and cardiovascular fitness in aging. *Frontiers in Aging Neuroscience*. doi: 10.3389/fnagi.203.00075.

*Strain, J., **Didehbani, N.**, Cullum, C.M., Mansinghani, S., Conover, H., Kraut, M.A., Hart, J. & Womack, K.B. Depressive Symptoms and White Matter Dysfunction in Retired NFL Players with Concussion History. (2013). *Neurology*, 81(1), 25-32.

Didehbani, N., Cullum, M., Mansinghani, S., Conover, H., & Hart, J. (2013). Depressive Symptoms and Concussions in Aging Retired NFL Players. *Archives of Clinical Neuropsychology* 28(5), 418-424.

Hart, J., Kraut, M., Womack, K., Strain, J., **Didehbani, N.**, Bartz, E., Conover, H., Mansinghani, S., Lu, H. & Cullum, C.M. (2013). Neuroimaging of Cognitive Dysfunction and Depression in Aging Retired NFL Players: A cross-sectional study. *JAMA Neurology*, 70(3), 326-335.

Kandalaft, M.R., **Didehbani, N.**, C.M., Krawzyk, D.C., Allen, T.T., & Chapman, S.B. (2013). Virtual Reality Social Cognition Training for Young Adults with High-Functioning Autism. *Journal of Autism and Developmental Disorders*, 43, 34-44.

Didehbani, N Shad, M.U., Kandalaft, M.R., Allen, T.T., Tamminga, C.A., Krawzyk, D.C., & Chapman, S.B. (2012) Empathy and insight in schizophrenia. *Schizophrenia Research*, 142, 246-247.

Didehbani, N., Shad, M.U., Kandalaft, M.R., Allen, T.T., Tamminga, C.A., Krawzyk, D.C., & Chapman, S.B. (2012). Brief Report: Insight into illness and social attributional style in Asperger's syndrome. *Journal of Autism and Developmental Disorders*, 42(12), 2754-2760.

Kandalaft, M.R., **Didehbani, N.**, Cullum, C.M., Krawzyk, D.C., Allen, T.T., Tamminga, C.A., & Chapman, S.B. (2012) The Wechsler ACS Social Perception Subtest: A preliminary comparison with other measures of social cognition. *Journal of Psychoeducational Assessment*, 30(5), 455-465.

Didehbani, N., Kelly, K., Austin, L., & Wiechmann, A. (2011). Role of parental stress on pediatric feeding disorders. *Children's Health Care*, 40(2), 85-100.

BOOK CHAPTERS

Bell, K., Rinaldi, R., & **Didehbani, N.** Assessment and Management of Sports Concussion. In B. Eapen & D. Cifu (Eds.). *Rehabilitation After Traumatic Brain Injury*. Elsevier (2018).

RESEARCH PRESENTATIONS

*Tarkenton, T., Wilmoth, K., **Didehbani, N.**, Silver, & C., Cullum, C.M. (2018). Symptom recovery following sports-related concussion in males versus females. Poster session for the 6th Annual Concussion Symposium of the Sports Neuropsychology Society, Washington D. C.

Bunt, S., Hicks, C., Didehbani, N., Hynan, L., & Cullum, C.M. (2018) Poster session for the 6th Annual Concussion Symposium of the Sports Neuropsychology Society, Washington D.C.

*Schaffert, J., Hynan, L., **Didehbani, N.**, Lacritz, L. & Cullum, C.M. (2018). Traumatic brain injury history and survival after dementia onset in autopsy-confirmed Alzheimer's disease. Poster session for the International Neuropsychological Society Annual Meeting, Washington DC.

Chung, J., Miller, S., Zynda, A., Sebatino, M., Hicks, C., **Didehbani, N.**, Sabo, T., Bell, K., & Cullum, C.M. (2018). Association between sleep quality and concussion symptoms in the pediatric population. Poster session for the Pediatric Research in Sport Medicine 5th Annual Meeting, Plantation, Florida.

*Shapiro, E., Bass, C., Schraufnagel, C.D., Jones P., Hart, J., Cullum, C.M., & **Didehbani, N.** (2018). Impact of Mild Traumatic Brain Injury on PTSD Treatment Outcomes. Poster session for the International Neuropsychological Society Annual Meeting, Washington DC.

*Wilmoth, K., Masucci, A., Tarkenton, T., **Didehbani, N.**, Hynan, L., Bunt, S.C., Garner-Roberts, J., Bloomgarden, G., Miller, S., Bell, K., & Cullum, C.M. (2018). Psychological and Injury-Related Factors as Predictors of Prolonged Return to Play in Adolescents following Sports-Related Concussion. Oral session for the International Neuropsychological Society Annual Meeting, Washington DC.

- *Fields, L., **Didehbani, N.** Hart, J., & Cullum, C.M., (2018). Number of Concussions Not Associated with Neuropsychological Performance in Retired NFL Players. Poster session for the International Neuropsychological Society Annual Meeting, Washington DC.
- *Munro, C.E., LoBue, C., **Didehbani, N.**, Park, D., & Cullum, C.M. (2017). Cognitive Complaints and Memory Performance in Elderly Veterans with TBI versus Those with TBI and PTSD. Oral session for the National Academy of Neuropsychology annual conference, Boston, MA.
- *Tarkenton, T., Wilmoth, K., **Didehbani, N.**, Silver, & C., Cullum, C.M. (2017). Persistent post-concussive symptoms in youth following motor vehicle accident versus sports injury. Poster session for the National Academy of Neuropsychology annual conference, Boston, MA.
- *Wadsworth, H., **Didehbani, N.**, Vargas, B., & C., Cullum, C.M. (2017). Symptom resolution and cognitive performance in adolescent sport-related concussion. Poster session for the National Academy of Neuropsychology annual conference, Boston, MA.
- *Smith, E., **Didehbani, N.**, Tarkenton, T., Godbey, E., Bell, K., Miller, S., Bunt, S., Bloomgarden, G., Garner-Roberts, & Cullum, C.M. (2017). *Greater post-concussion symptoms are related to longer symptom resolution in youth athletes.* Poster session for the 5th Annual Concussion Symposium of the Sports Neuropsychology Society, Cleveland, Ohio.
- *Wilmoth, K., Tarkenton, T., Cullum, C.M., **Didehbani, N.**, Vargas, B., & Bell, K. (2017). *Functional impairment following sports-related concussion: The impact of gender and mood.* Poster session for the 5th Annual Concussion Symposium of the Sports Neuropsychology Society, Cleveland, Ohio.
- *Herbert, M., LoBue, C., **Didehbani, N.**, Hart, J., & Cullum, C.M (2017). *Functional impairment following sports-related concussion: The impact of gender and mood.* Poster session for the 5th Annual Concussion Symposium of the Sports Neuropsychology Society, Cleveland, Ohio.
- *Wilmoth, K., Galusha, J. M., Bunt, S. C., Godbey, E. I., Holder, N., Garner-Roberts, J., Bloomgarden, G., **Didehbani, N.**, Miller, S., Bell, K., & Cullum, C. M. (2017, February). *Delayed clinical evaluation following concussion predicts prolonged return to play in female student-athletes.* Poster session for presentation at the 45th Annual Meeting of the International Neuropsychological Society, New Orleans, LA.
- *Fields, L., Wilmoth, K., **Didehbani, N.**, Hynan, L., Hart, J., & Cullum, C. M. (2016). *Verbal memory in athlete and non-athlete MCI patients with and without a history of concussion.* Poster session for the 4th Annual Concussion Symposium of the Sports Neuropsychology Society, Houston, TX.
- Kozel F.A., **Didehbani N.**, Motes M.A., Jones P., Schraufnagel C.D., DeLaRosa B., Bass C., Spence J.S., & Hart J. *Augmenting Cognitive Processing Therapy with rTMS in Combat Veterans of Recent Conflicts with PTSD.* Society of Biological Psychiatry's 71st Annual Scientific Convention and Program. Atlanta, GA. 13 May 2016 (accepted as an oral presentation).

Vargas, B.B., Wilmoth, K., **Didehbani, N.**, Bell, K., Godbey, E., Paliotta, C., & Cullum, M.C. (2016). *Relationship between severe headache and elevated depression and anxiety scores after sports-related concussion*. Poster session for the 4th Annual Concussion Symposium of the Sports Neuropsychology Society, Houston, TX.

*Wilmoth, K., **Didehbani, N.**, Vargas, B., Bell, K., Godbey, E., Paliotta, C., & Cullum, C.M. (2016, April) *Gender Differences in Symptom Reporting within Student-Athletes from the North Texas Sports Concussion Registry (ConTex)*. Poster session for the Annual Concussion Symposium of the Sports Neuropsychology Society, Houston, TX.

Didehbani, N., Aslan, S., Strain, J., Fields, L., Hart, J., Cullum, C.M. (November 2015). *Functional and Structural Brain Changes of High School Football Athletes after One Season*. Poster session for National Academy of Neuropsychology, Austin, TX.

*Wilmoth, K., LoBue, C., Strain, J., Hart, J., Cullum, C.M., Dieppa, M., & **Didehbani, N.** (November, 2015). *Reliability of Self-Reported Concussion History in Retired Professional Football Players with and without Cognitive Impairment*. Poster session for the Annual Conference of the National Academy of Neuropsychology, Austin, TX.

*Wilmoth, K., LoBue, C., **Didehbani, N.**, Hart, J., Womack, K., Bell, K., Batjer, H., & Cullum, C.M. (2015, October). *Reliability of self-reported concussion history with and without cognitive impairment*. Poster session for the 92nd annual meeting of the American Congress of Rehabilitation Medicine, Dallas, TX.

*Wilmoth, K., **Didehbani, N.**, Hynan, L.S., Hart, J., & Cullum, C.M. (May 2015). *Cognitive Performance in MCI Patients with and without a history of Concussion*. Poster session for North American Brain Injury Society, San Antonio, TX.

*Fields, L., Hart, J., Cullum, C.M., Dieppa, M., & **Didehbani, N.** (May 2015). *Naming and Verbal Memory Performance in Retired Professional Athletes*. Poster Session for Sports Neuropsychology Society, Atlanta, GA.

Aslan, S., Chapman, S.B., Spence, J., Keebler, M.W., **Didehbani, N.**, & Lu, H. (May 2014). *Neural mechanisms of brain plasticity with complex cognitive training in healthy seniors*. Oral session for International Society for Magnetic Resonance in Medicine, Milan, Italy.

Aslan, S., Chapman, S.B., Spence, J., DeFina, L., **Didehbani, N.**, & Lu, H. (May 2014). *Shorter term aerobic exercise improves brain, cognition, and cardiovascular fitness in aging*. Oral session for International Society for Magnetic Resonance in Medicine, Milan, Italy.

*Strain, J., Womack, K.B., **Didehbani, N.**, Spence, J., Conover, H., Kraut, M., Hart, J., & Cullum, C.M. (April 2014). *Hippocampal Volume, Memory Performance, Concussion History, and the Relationships Between them in Retired NFL Athletes*. Poster session for Sports Neuropsychology Society, Dallas, TX.

*Fields, L., **Didehbani, N.**, Hart, J., & Cullum, C.M. (April 2014). *A New Measure of Processing Speed in Retired NFL Players with a History of Concussion*. Poster session for Sports Neuropsychology Society, Dallas, TX.

Chapman, S.B., Aslan, S., Spence, J., Yezhuvath, U., **Didehbani, N.**, Keebler, M.W., DeFina, L. & Lu, H., (November 2013). *Differential Benefits for Physical vs. Cognitive Training on Brain Health in Seniors*. Poster session for Society for Neuroscience, San Diego, CA.

Chapman, S.B., Aslan, S., Spence, J., DeFina, L., Keebler, M.W., **Didehbani, N.**, & Lu, H. (November 2013). *Short Term Exercise Training Increases Brain Blood Flow in Anterior Cingulate in Sedentary Seniors*. Poster session for Society for Neuroscience, San Diego, CA.

Allen, T.T., **Didehbani, N.**, & Chapman, S. (November 2013). *Virtual Reality Social Cognition Training in Autism Across the Age Span*. Oral session for American Speech-Language-Hearing Association, Chicago, Illinois.

Didehbani N., Cullum C.M., Loneman L., Mansinghani S., Hart J. (October 2013). *Verbal Memory Performance Associated with NFL Experience: A Pilot Investigation*. Poster session for the National Academy of Neuropsychology, San Diego, CA.

Allen, T.T., **Didehbani, N.**, Vas, A., & Chapman, S. (May 2013). *Seeing the Trees but not the Forest in High-Functioning Autism*. Poster session for American Neuropsychiatric Association, Boston, MA.
Strain, J., Womack, K.B., **Didehbani, N.**, Spence, J., Conover, H., Kraut, M., Hart, J., & Cullum, C.M. (April 2013). *Neuropsychological and White Matter Correlates in Retired Professional Athletes: A Correlational Study*. Oral session for Sports Neuropsychology Society, Minneapolis, MN.

Chapman, S.B., Aslan, S., Hart, J., Keebler, M.W., Spence, J., **Didehbani, N.**, & Lu, H. (April 2013). *Neural Mechanisms of Brain Plasticity with Complex Cognitive Training in Healthy Seniors*. Poster session for Cognitive Neuroscience Society, San Francisco, CA.

Didehbani, N., Cullum, M., Mansinghani, S., Conover., H., & Hart, J. (March 2013). *Depressive Symptom Endorsement in Retired NFL Players and the Role of Concussion*. Poster session for American Academy of Neurology, San Diego, CA.

Hart, J., Strain, J., **Didehbani, N.**, Conover, H., Mansinghani, S., Kraut, M., Cullum, M., & Womack, K. (March 2013). *Neuroimaging of Cognitive Dysfunction and Depression in Aging Retired NFL Players*. Data Blitz for American Academy of Neurology, San Diego, CA.

Womack, K., Strain, J., Cullum, M., **Didehbani, N.**, Kraut, M., & Hart, J. (March 2013). *The Association of Impaired White Matter Integrity with the Presence and Severity of Depression in Retired National Football League Athletes*. Oral session for American Academy of Neurology, San Diego, CA.

Didehbani, N., Cullum, M., Mansinghani, S., Conover., H., & Hart, J. (February 2013). *Depressive Symptoms and Concussions in Aging Retired NFL Players*. Poster session for International Neuropsychological Association, Waikoloa, HI.

Didehbani, N., Kandalaft, M., & Toon, T. (April 2010). *Social Cognition in Asperger's Disorder and Schizophrenia: Commonalities and Distinctions*. Social Cognition Colloquium: Investigating Social Cognition in Schizophrenia and Autism Spectrum Disorders, Dallas, TX.

Didehbani, N., Toon, T., Kandalaft, M., Adams, C., & Chapman, S., Krawczyk, D. (March 2009). *Measuring Social Cognition and Theory of Mind across Diseased Populations using fMRI*. Poster session for Cognitive Neuroscience Society, San Francisco, CA.

Didehbani, N., Kaiser, K., Phelps, D.R., Franks, S.F., & Carroll, J.F. (October 2006). *Body Composition and Cardiovascular Risk Factors in Bariatric Patients (DREAMS: Diabetes, Research, Education, and Metabolic Studies)*. Poster session for NAASO, The Obesity Society, Boston, MA.

Didehbani, N., Franks, S.F., Bareoles, N., Cage, A.C., & Palmarozzi, E. (November 2005). *Effects of Perceived Stress and Social Support on Life Satisfaction in Type 2 Diabetes*. Poster session presented at Texas Psychological Association, Austin, TX.

Didehbani, N., Franks, S.F., Budd, M.A, Hilborn, S., Cage, A.C., & Palmarozzi, E. (May 2005). *Predicting Psychological Distress in Type 2 Diabetes: Stress, Coping, & Hypertension*. Poster session presented at the American Psychological Society, Los Angeles, CA.

***Denotes trainee as first author.**

INVITED TALKS/PANELS

Lifecycle of a Concussion. Sports Medicine Symposium. Dallas, TX, July 2018.

Telemedicine Symposium. International Neuropsychological Society Annual Meeting, Washington DC, February 2018.

Sports Neuroscience: Exploring the Functional Neuroanatomy of Concussion. UTSW STARS Basic Science Symposium. Sports Medicine, Dallas, TX October 2016.

Concussion is a Brain Injury. FC Dallas Girls Soccer Education Panel, Frisco, TX, July 2016.

Personality Assessment in the Workplace. Texas International Public Management Association for Human Resources (IPMA-HR) conference, Richardson, Texas, April 2016.

GRANTS – Active

TBI Veterans

Principal Investigator: Dan Krawczyk, PhD

9/2015 – 9/2018

CDMRP Virtual Reality Training to Enhance Frontal Lobe Reasoning in Soldiers with TBI

Role: Research Neuropsychologist

This research study examines the short-term effects of a novel virtual reality-executive function training on memory, inhibitory control, and planning versus a control virtual training on cognition and life skills after a head injury.

Neurocognitive and Neuroimaging Measures of Former Professional Athletes

9/2010 – 9/2018

Principal Investigator: John Hart, M.D.

Non-Profit Organization Grant

Role: Co-Investigator

This study examines the relationship between a history of multiple concussions and neuropsychological, neuroimaging and genetic biomarkers in aging retired professional football players. The focus of the study is to determine the long-term cognitive effects of concussions in professional athletes as they age.

Grants – Previous

White Matter Abnormalities Following Concussion in High School Football Players

Dallas Foundation

10/2014 – 9/2016

\$45,000

Role: Principal Investigator

This grant investigates a full range of consequences that result from concussion in young athletes. It will utilize brain imaging (MRI & EEG), neuropsychological testing, and oculomotor & pupilometry responses. The study hopes to identify potential markers to diagnose and predict short-term and long-term impairments resulting from concussions.

Neuropsychological Correlates of Oculomotor Dysfunction and Concussion Outcome in High School and Retired Football Players

9/2014 – 9/2015

Texas Institute for Brain Injury and Repair

Principal Investigator: Munro Cullum, PhD

Role: Co-Principal Investigator

Awarded through the University of Texas Southwestern Medical School, this grant utilizes NeuroTrak, an eye tracking system to measure eye position and movement velocity on high school athletes, at baseline, after a concussion and post season. The research will also examine the relationship between number and severity of accelerometer-measured (ShockClock) hits during football practices and games with measures of neuropsychological function obtained at baseline, post-injury, and post-season.

TBI Veterans

Principal Investigator: Dan Krawczyk, PhD and Sandra Chapman, PhD

9/2012 – 8/2015

W81XWH-11-1-0194 & W81XWH-11-2-0195

CDMRP Brain Training to Enhance Frontal Lobe Reasoning in Soldiers with TBI

Role: Research Neuropsychologist

This research study measures the treatment effect of a 10 session cognitive reasoning program in Veterans with traumatic brain injury using cognitive, mood, and neuroimaging assessments. I will oversee the cognitive assessments and analysis of the behavioral data.

Novel Treatment of Emotional Dysfunction in PTSD

9/2012 – 8/2015

Principal Investigator: John Hart, M.D.

W81XWH-11-2-0132

CDMRP Applied Research & Advanced Technology Development Award Program

Role: Research Psychologist, rTMS Supervisor

This project investigates the treatment effect of repetitive transcranial magnetic stimulation (rTMS) paired with cognitive processing therapy in veterans with post-traumatic stress disorder. Participants receive 1 Hz rTMS administered to the right frontal lobe for 30 minutes followed by an hour Cognitive Processing Therapy (CPT).

Tracking Concussions in Young Athletes

Katherine and Bob Penn New Scientist Award

9/2014 – 8/2016

\$25,000

Role: Principal Investigator

This grant utilized NeuroTrak, an eye tracking system to measure eye position and movement velocity on high school athletes, pre and post an athletic season compared with cognitive and neuroimaging data.

Pre and Post Season Assessment in Young Athletes

Saphire Foundation Visionary Award

9/2013 – 8/2015

\$25,000

Role: Principal Investigator

This grant is investigated the acute effects of concussions in young athletes and tracking longitudinal brain change using novel neuroimaging techniques coupled with modern neurocognitive measures.