

HAYLIE L. MILLER, PH.D.

ASSISTANT PROFESSOR
MILLERHL@UMICH.EDU

EDUCATION

Ph.D., Experimental Psychology, May 2012, The University of Texas at Arlington
M.S., Experimental Psychology, May 2009, The University of Texas at Arlington
B.A., Majors in Psychology and Music, May 2006, Vanderbilt University

ADDITIONAL CERTIFICATION

EQ-i 2.0/EQ 360 Certification, December 2017, UNT Health Science Center/Leadership Call
Graduate Certificate in Clinical Science, May 2017, UT Southwestern Medical Center

SPECIALIZED TRAINING

Physiological measures

Eye-tracking (incl. mobile), motion-capture, posturography, actigraphy, EMG, fMRI, EEG

Behavioral measures

Autism Diagnostic Observation Schedule–2 (U. Michigan research reliability workshop)
Autism Diagnostic Interview–Revised (UT Southwestern research reliability workshop)
Neuropsychological testing (cognition, IQ, memory, reading, motor development)

Software packages

Data Management & Statistics: SPSS, R, SAS, AMOS, HLM, Python
Stimulus delivery: E-Prime, D-Flow
Neuroimaging: AFNI, SPM, sLORETA, FreeSurfer, FSL

RESEARCH & RELEVANT EXPERIENCE

Primary Appointment

Assistant Professor, School of Kinesiology, University of Michigan (January 2021-Present) (*Tenure-track*)

Leading an NIH- and NSF-funded program of research on visuomotor integration in autism, typical development, and related neurodevelopmental conditions. Currently using mobile eye-tracking, full-body motion capture, and force plates to monitor eye and body movement.

Prior Positions and Experience

Assistant Professor, Department of Physical Therapy, School of Health Professions, University of North Texas Health Science Center (June 2015–January 2021) (*Tenure-track*)

Lead an NIH- and NSF-funded program of research on visuomotor integration in autism, Developmental Coordination Disorder, and typical development. Used mobile eye-tracking, full-body motion capture, and force plates to monitor eye and body movement during game play in a variety of virtual environments. Taught psychosocial concepts and skills to graduate students in the Physical Therapy (DPT) program and to graduate and post-

professional students in the Lifestyle Health program; taught emotional intelligence skills to graduate students in the DPT and Physician Assistant (PA) programs in the School of Health Professions.

Assistant Professor, Department of Medical Education, UNTHSC-TCU School of Medicine (February 2019–January 2021; *secondary appointment*) Supervised graduate student research in the allopathic medicine (M.D.) program.

Assistant Professor, Graduate School of Biomedical Sciences, UNT Health Science Center (July 2016–January 2021; *secondary appointment*) Supervised graduate student research in the biomedical sciences (M.S./Ph.D.) program.

Assistant Professor, Department of Medical Education, Texas College of Osteopathic Medicine, UNT Health Science Center (July 2016–January 2021; *secondary appointment*) Taught clinical communication skills to graduate students in the Osteopathic Medicine (D.O.) program and supervising student research via the Pediatric Research Program.

Human Movement Performance Lab, June 2013–June 2015

Postdoctoral Research Associate, June 2013–June 2015: Investigating visuomotor integration in autism using mobile eye-tracking and motion capture to monitor eye and body movement during game play in a virtual environment for two studies funded by the National Science Foundation, under the supervision of Dr. Nicoleta Bugnariu.

Center for Autism & Developmental Disabilities, UT Southwestern Medical Center, July 2012–May 2013

Postdoctoral Researcher II, July 2012–May 2013: Collecting/analyzing neuropsychological, behavioral, and sensorimotor data (including fixed-head eye tracking) from individuals with autism for two studies funded by the U.S. Department of Defense and NIMH, under the supervision of Dr. John Sweeney.

Reading & Memory Lab, UT Arlington, June 2010–June 2012

Project Leader, “Neural Correlates of Young Adults’ Performance on Word-Rhyming and Symbol-Matching Tasks”, Sept. 2010–Nov. 2010: Collected fMRI, fcMRI, and DTI scans (among others) during a reading task, processed and analyzed data with a graduate colleague.

Project Leader, “Narrative Processing in Children and Young Adults”, Oct. 2010–May 2012: Conducted a dissertation project on recognition and source memory in typically developing individuals aged 5, 7, 9, 11, and 18-30. Trained/managed 9 research assistants.

Graduate Researcher, June 2010–June 2012: Assisted with projects using imaging (fMRI) and neuropsychological testing to study language and memory development in ages 5-80. Completed a dissertation project supervised by Dr. Timothy Odegard.

Social & Personality Lab, UT Arlington, Jan. 2007–May 2010

Lab Manager, Aug. 2009–Dec. 2009: Coordinated project schedules, organized participant recruitment, oversaw training and tasks for 15 research assistants.

Project Leader, “Relationships, School Performance, & Health in Adolescence III & IV” (Grant # 26-7501-47, Marchionne Foundation): Aug. 2009–April 2010: Managed IRB and working fund, coordinated participant recruitment, oversaw on- and off-site data collection.

Project Leader, “Individual Differences in Social Interaction & Brain Activity”, Dec. 2007–May 2009: Conducted a master’s thesis project examining EEG data from college students during a virtual reality social ostracism task (Cyberball). Trained/managed 3 research assistants.

Graduate Researcher, Jan. 2007–May 2010: Assisted with lab projects, received training in EEG, DNA, salivary cortisol/testosterone, and fMRI data collection/analysis. Completed a master’s thesis project under the supervision of Dr. Lauri Jensen-Campbell.

Volunteer Research Assistant, Oct. 2006–Dec. 2006: Assisted with data collection.

Compas Lab, Kennedy Center for Research on Human Development, Vanderbilt University

Undergraduate Research Assistant, Oct. 2005–May 2006: Assisted with data collection, entry, and analysis for ongoing research under the supervision of Dr. Bruce Compas.

MANUSCRIPTS PUBLISHED (Early publications appear under the name Haylie L. Gomez)

* denotes co-first authors

A complete list of publications can also be found in NCBI MyBibliography at:

<https://www.ncbi.nlm.nih.gov/myncbi/1NwX0NtUo2w5G/bibliography/public/>

Miller, H. L.*, Zurutuza, I. R.*, Fears, N. E., Polat, S. O., & Nielsen, R. D. (2021). Post-processing integration and semi-automated analysis of mobile eye-tracking and motion-capture data obtained in immersive virtual reality environments to measure visuomotor integration. In *ETRA 2021: ACM Symposium on Eye Tracking Research & Applications*, May 25-27, 2021, Virtual Event, ACM, New York, NY, USA. PMID: PMC8276594

Miller, H. L., Thomi, M., Patterson, R., & Nandy, K. (Accepted). Effects of intersectionality along the pathway to diagnosis for children with Autism Spectrum Disorder with and without co-occurring Attention Deficit Hyperactivity Disorder in a nationally-representative sample. *Journal of Autism & Developmental Disorders*.

Miller, H. L., Sherrod, G., Mauk, J., Fears, N., & Caçola, P. (2021). Shared features or co-occurrence? Evaluating symptoms of Developmental Coordination Disorder in children and adolescents with Autism Spectrum Disorder. *Journal of Autism & Developmental Disorders*, ePub ahead of print. doi: 10.1007/s10803-020-04766-z. PMID: PMC33387238

Tamplain, P., Fuchs, C., Sherrod, G. M., & **Miller, H. L.** (2020). Preliminary improvements in dynamic postural control after a group-based intervention program for children with Developmental Coordination Disorder: A brief report. *Developmental Neurorehabilitation*, 18, 1-5. doi: 10.1080/17518423.2020.1819463. PMID: PMC7769962

Tamplain, P. & **Miller, H. L.** (2020). What can we do about mental health in individuals with Developmental Coordination Disorder? *Current Developmental Disorders Reviews*. doi: [10.1007/s40474-020-00209-7](https://doi.org/10.1007/s40474-020-00209-7)

Quan, L., Zhao, Y., Zhang, F., Shi, X.-T., Feng, Z., & **Miller, H. L.** (2020). Plasma trimethylamine N-oxide, a gut microbe-generated phosphatidylcholine metabolite, is associated with autism spectrum disorders. *NeuroToxicology*, 76, 93-98. doi: [10.1016/j.neuro.2019.10.012](https://doi.org/10.1016/j.neuro.2019.10.012) PMID: PMC7385710

- Wijayasinghe, I. B., Das, S. K., **Miller, H. L.**, Bugnariu, N. L., & Popa, D. O. (2019). Head-eye coordination of humanoid robot with potential controller. *Journal of Intelligent & Robotic Systems*, 1-13. doi: [10.1007/s10846-018-0948-8](https://doi.org/10.1007/s10846-018-0948-8)
- Miller, H. L.**, Caçola, P., Sherrod, G. M., & Bugnariu, N. L. (2019). Children with Autism Spectrum Disorder, Developmental Coordination Disorder, and typical development differ in characteristics of dynamic postural control: A preliminary study. *Gait & Posture*, 67(9-11). doi: [10.1016/j.gaitpost.2018.08.038](https://doi.org/10.1016/j.gaitpost.2018.08.038) PMID: PMC6240472
- Miller, H. L.**, Odegard, T. N., & Reyna, V. (2018). Autobiographical memory and autism through the lens of Fuzzy Trace Theory. *The Wiley Handbook of Autobiographical Memory, Autism Spectrum Disorder, and the Law* (Goodman, G. and Mundy, P. eds.), Part I: Chapter 2. Wiley & Sons, Hoboken: NJ. ISBN: [978-1-119-15843-1](https://doi.org/10.1002/9781119158431)
- Miller, H. L.**, Patterson, R., Wijayasinghe, I., Popa, D., & Bugnariu, N. L. (2017). Development of a novel visuomotor integration paradigm by integrating a virtual environment with mobile eye-tracking and motion-capture systems. *IEEE Proceedings of the International Conference on Virtual Rehabilitation*. doi: [10.1109/ICVR.2017.8007481](https://doi.org/10.1109/ICVR.2017.8007481) PMID: PMC5986090
- Caçola, P., **Miller, H. L.**, & Ossom Williamson, P. (2017). Motor symptom similarities between individuals with Developmental Coordination Disorder and Autism Spectrum Disorder, *Research in Autism Spectrum Disorders*, 38, 6-18. doi: [10.1016/j.rasd.2017.03.004](https://doi.org/10.1016/j.rasd.2017.03.004) PMID: PMC5646683
- Miller, H. L.**, & Bugnariu, N. L. (2016). Level of immersion impacts the effectiveness of virtual environments used to assess or teach social skills in Autism Spectrum Disorder. *Cyberpsychology, Behavior, and Social Networking*, 19(4), 246-256. doi: [10.1089/cyber.2014.0682](https://doi.org/10.1089/cyber.2014.0682) PMID: PMC4827274
- Park, A., **Miller, H. L.**, & Jensen-Campbell, L. A. (2016). The effects of peer relational victimization on social cognition: Rejection attribution bias or a more generalized sensitivity to social pain? *Journal of Social and Personal Relationships*, 34(7), 984-1006. doi: [10.1177/0265407516664418](https://doi.org/10.1177/0265407516664418)
- Wijayasinghe, I. B., **Miller, H. L.**, Das, S. K., Bugnariu, N. L., & Popa, D. O. (2016). Human-like object tracking and gaze estimation with PKD android. *Proceedings of SPIE 9859, Sensors for Next-Generation Robotics III*, 98906. doi: [10.1117/12.2224382](https://doi.org/10.1117/12.2224382) PMID: PMC5798257
- Hughes, S. J., Lyddy, F., Kaplan, R., Nichols, A. L., **Miller, H.**, Saad, C. G., Dukes, K., & Lynch, A. (2015). Highly prevalent but not always persistent: undergraduate and graduate student's misconceptions about psychology. *Teaching of Psychology*, 42(1), 34-42. doi: [10.1177/0098628314562677](https://doi.org/10.1177/0098628314562677)
- Miller, H. L.**, Ragozzino, M., Cook, E., Sweeney, J. A., & Mosconi, M. W. (2015). Selective set-shifting impairments relate to repetitive behaviors in Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*, 45(3), 805-815. doi: [10.1007/s10803-014-2244-1](https://doi.org/10.1007/s10803-014-2244-1) PMID: PMC4658328

Miller, H. L., Odegard, T. N., & Allen, G. (2014). Evaluating information processing in Autism Spectrum Disorder: The case for Fuzzy Trace Theory. *Developmental Review*, 34(1), 44-76. doi: [10.1016/j.dr.2013.12.002](https://doi.org/10.1016/j.dr.2013.12.002)

Farris, E. A., Odegard, T. N., **Miller, H. L.**, Ring, J., Allen, G., & Black, J. (2011). Functional connectivity between the left and right inferior frontal lobes in reading impaired and non-reading impaired children. *Neurocase*, 17(5), 425-439. doi: [10.1080/13554794.2010.532141](https://doi.org/10.1080/13554794.2010.532141) PMID: 21590585

Gomez, H. L., Iyer, P., Batto, L. L., & Jensen-Campbell, L. A. (2011). Friendships and adjustment. In R. J. R. Levesque (Ed.), *Encyclopedia of Adolescence, Vol. 2: Adolescents' Social and Personal Relationships*. New York, NY: Springer-Verlag.

Knack, J. M., **Gomez, H. L.**, & Jensen-Campbell, L. A. (2010). Does chronic peer victimization in childhood influence pain sensitivity? In L. A. Jensen-Campbell & G. MacDonald (Eds.), *Social Pain: Neuropsychological and Health Implications of Loss and Exclusion*. (pp. 215-236). Washington, DC: American Psychological Association.

Jensen-Campbell, L. A., Knack, J. M., & **Gomez, H. L.** (2010). The psychology of nice people. *Social and Personality Psychology Compass*, 4(11), 1042-1056. doi: [10.1111/j.1751-9004.2010.00307.x](https://doi.org/10.1111/j.1751-9004.2010.00307.x)

THESIS & DISSERTATION

Miller, H. L. (2012). *Development of gist processing skills and memory in children and young adults: Effects of presentation type in a modified DRM paradigm*. (Doctoral dissertation). Children with Autism Spectrum Disorder use inefficient goal-directed whole body movements compared to typical development. Available from ProQuest Dissertations and Theses. ([UMI No. 3513219](https://www.proquest.com/docview/3513219))

Gomez, H. L. (2009). *Does chronic victimization lead to a Rejection Attribution Bias?* (Masters thesis). Available from ProQuest Dissertations and Theses. ([UMI No. 1464807](https://www.proquest.com/docview/1464807))

FUNDING (Role/PI)

Active Awards

Visuomotor Integration and Attention in Autism Spectrum Disorder (K01-MH107774)
Principal Investigator
National Institutes of Health – National Institute of Mental Health
07/15/2017–06/14/2022
\$942,855

Prior Awards

Development of a Home Exercise Program for Children with Autism Spectrum Disorder
Principal Investigator
UNTHSC School of Health Professions Early Stage Investigators Research Program
07/01/2019-12/31/2020
\$25,000

Preliminary Assessment of Visuomotor Profiles in Hispanic Children with Autism
(U54-MD006882)

Sub-Award Principal Investigator; Texas Center for Health Disparities Pilot Program
National Institutes of Health – National Institute for Minority Health and Disparities
11/01/2018-12/31/2020
\$60,000

Fort Worth Hispanic Community Outreach Program for Autism Spectrum Disorder

Principal Investigator
Autism Speaks Local Impact Grant
06/01/2018-12/31/2020
\$2,645

Integrating New Technologies to Assess Visual and Attentional Influences on Movement and Imitative Behavior in Autism (SMA-1514495)

Principal Investigator
National Science Foundation – Social, Behavioral, and Economic Sciences Directorate
Postdoctoral Research Fellowship (Interdisciplinary Research in Behavioral and Social Sciences) 07/01/2015–06/30/2018
\$52,020

Visuomotor Integration in Atypical Development (KL2-TR001103; UL1-TR001105)

Co-Investigator (PI: Robert Toto, M.D.)
National Institutes of Health – National Center for Advancing Translational Sciences
UT Southwestern Center for Translational Medicine
Clinical Translational Research Scholar Program
06/01/2015–06/31/2017
\$215,395

Visuomotor integration in Autism Spectrum Disorders (ASD)

Co-Investigator (PI: Bugnariu)
University of North Texas Health Science Center
Research Seed Grant
04/01/2014–03/31/2015
\$20,000

Other Support

UT Southwestern Center for Translational Medicine

- REDCap support (UL1-RR024982): November 2016 - Present
- Translational Pilot Program – Biostatistical Consultation (UL1-TR001105):
September 2016, September 2018

TEACHING

University of Michigan

AES 313/KIN 513–Emotional Intelligence, Interpersonal Skills, & Wellness (Lecture, 3 credits)–Winter 2021

University of Texas at Arlington

PSYC 3310–Developmental Psychology (Lecture, 3 credits)–Fall 2008/2009, Spr 2010

PSYC 2443–Research Design & Statistics I (Lab, 1 credit)–Spr 2009
PSYC 1315–Introduction to Psychology (Lecture, 3 credits)–Sum 2009
PSYC 3314–Personality Psychology (Lecture, 3 credits)–Sum 2010
PSYC 3315–Social Psychology (Lecture, 3 credits)–Fall 2010
PSYC 3334–Cognitive Processes (Lecture, 3 credits)–Spr/Sum/Fall 2011, Spr 2012

Graduate Statistics Clinic (tutored graduate students in advanced statistics)–Fall 2010
Undergraduate Statistics Clinic (tutored undergraduate students)–Spr 2009–Fall 2010

University of North Texas Health Science Center

Optimizing Learning workshop – Department of Physical Therapy – annual, orientation
LHLT 5000–Lifestyle Health I (Graduate Online, 3 credits)–Fall 2014–Spring 2019
LHLT 5001–Lifestyle Health II (Graduate Online, 3 credits)–Spr 2015–Spring 2019
MEDE 7311/7312–Clinical Communication (Graduate Seminar, 6 credits)–

Spr/Sum/Fall 2015–Spring 2019

MPAS 5001/DPHT 7001–Emotional Intelligence (Graduate Seminar, 0 credits)–Sum 2018–Spring 2020

MPAS 5002/DPHT 7002–Emotional Intelligence (Graduate Seminar, 0 credits)–Sum 2019–Spring 2020

University of North Texas

EDSP 6520–Biomedical Aspects of Autism (Graduate Lecture, 3 credits)–Sum 2014

Guest Lectures in Graduate Courses

Motivational Interviewing to Increase Patient Adherence. (2018–Present). Annual guest lecture in Therapeutic Exercise II (DPHT 7350) graduate course, Department of Physical Therapy, University of North Texas Health Science Center, Fort Worth, TX.

Pain and the Brain. (2014–Present). Annual guest lecture in Musculoskeletal Physical Therapy I (DPHT 7541) graduate course, Department of Physical Therapy, University of North Texas Health Science Center, Fort Worth, TX.

Managing the Psychological Experience of Pain in Therapeutic Exercise. (2014–Present). Annual guest lecture in Therapeutic Exercise I (DPHT 7330) graduate course, Department of Physical Therapy, University of North Texas Health Science Center, Fort Worth, TX.

Motor skills and sensorimotor integration challenges in Autism Spectrum Disorder (2017, Mar). Guest lecture in Biomedical Aspects of Autism (EDSP 6520), Autism Graduate Program, University of North Texas, Denton, TX.

Optimizing Care for Patients with Autism Spectrum Disorder. (2014, September). Guest lecture in Care of the Special Needs Patient (DDDS 8340), Pediatric Dentistry Resident Program, Texas A&M University Baylor College of Dentistry, Dallas, TX.

Current State of Research and Approaches to Patient Care for Autism Spectrum Disorders. (2013, August). Guest lecture in Care of the Special Needs Patient (DDDS 8340), Pediatric Dentistry Resident Program, Texas A&M University Baylor College of Dentistry, Dallas, TX.

Neurological & Psychological Factors Influencing the Experience of Pain. (2013, August). Guest lecture in Musculoskeletal Physical Therapy I (DPHT 7541) graduate

course, Department of Physical Therapy, University of North Texas Health Science Center, Fort Worth, TX.

HONORS AND AWARDS

Awardee, NIH Loan Repayment Program, July 2018-June 2020
STAR Leadership Program, Texas Center for Health Disparities, November 2017
Nominee, Association for Psychological Science "Rising Star" Award, September 2017
NIH KL2 Clinical Translational Research Scholar, June 2015
Student Travel Award, International Society for Autism Research, May 2014
David Pilon Scholarship for Training in Professional Psychology, APAGS, Summer 2011
Selected graduate mentor for the iEngage Mentorship Program, UT Arlington, Summer 2011
Poster Award for Biological Bases of Behavior, UT Metroplex Days, February 2010
Fellow, Summer Institute in Social Psychology, Northwestern University, July 2009
Two-week residential program. Seminar: Biological Methods in Psychology (Dr. Oliver Schultheiss & Dr. Iris Mauss), Workshop: Ambulatory Assessment (Dr. Matthias Mehl).

INVITED TALKS

Hidden Challenges: Visual and Motor Symptoms in Autism (2021, April). Presented to attendees of the Vanderbilt Kennedy Center Lectures on Development and Developmental Disabilities, Nashville, TN. *Virtual presentation due to COVID-19 pandemic.

Visuomotor Integration Challenges in Autism. (2021, April). Presented to the members of the Smith-Kettelwell Eye Research Institute, San Francisco, CA. *Virtual presentation due to COVID-19 pandemic.

Barriers to Care for Black or Hispanic Girls and Women with Autism. (2020, October). Presented to the members of the Intellectual and Developmental Disabilities Council of Tarrant County, TX. *Virtual presentation due to COVID-19 pandemic.

Motor skills and their impact on activities of daily living across the lifespan. (2020, February). Presented at the annual *Dallas-Fort Worth Autism Conference*, Hurst, TX.

IDD in Tarrant County: Moving from Awareness to Action. (2019, November). Presented to the Junior League of Fort Worth, Fort Worth, TX.

Work Hard, Play Hard! Assessing Motor Problems in Autism using Serious Games. (2019, November). Presented to faculty, students, and staff of the University of Iowa as part of the DeLTA Center Speaker Series, Iowa City, IA.

Serious Games: Clinical Use of VR. Center for BrainHealth, University of Texas – Dallas, Dallas, Texas.

Clumsy or Clinical? Contextualizing Motor Problems in Autism. (2019, October). Presented to faculty, students, and staff of the University of Kansas as part of the Kansas Center for Autism Research & Training Symposium, Kansas City, KS.

Advocating for the Special Needs Child. (2019, September). Presented to employees of Lockheed Martin Aerospace, Fort Worth, TX.

Serious Games: Clinical Use of VR. (2019, August). Presented to attendees of the Fort Worth Museum of Science & History's Science on Tap event, Fort Worth, TX.

Strategies for Improving Strength & Coordination in Autism. (2019, July). Presented to attendees of a parent workshop hosted by the Fort Worth Museum of Science & History, Fort Worth, TX.

Intersectionality & Treatment of Autism Spectrum Disorder: A framework for understanding the impact of co-occurring conditions, sociodemographic factors, & biases (2019, February). Presented to attendees of Pediatric Grand Rounds, Cook Children's Medical Center, Fort Worth, TX. <http://av.cookchildrens.org/media/miller022619/>

Autism in the Community: Moving from Awareness to Action (2018, April). Presented to attendees of the Fort Worth Museum of Science & History's PUBLIC Knowledge Series, Fort Worth, TX

Sensorimotor Features of Autism & Co-occurring Developmental Coordination Disorder (2018, February). Presented to the staff of My Health My Resources (MHMR), Fort Worth, TX.

Autism and Virtual Reality (2018, January). Presented to members of the Fort Worth Life Sciences Coalition, Fort Worth, TX

Current Topics in Autism Research & the Impact on Tarrant County. (2017, November). Presented to the members of the Intellectual and Developmental Disabilities Council of Tarrant County, Fort Worth, TX.

Sensory and Motor Differences in Autism. (2017, September). Presented to attendees at the Parent Workshop on Autism Spectrum Disorder at the Fort Worth Museum of Science and History, Fort Worth, TX.

Modern Autism: New Discoveries and Fresh Perspectives. (2017, April). Presented to attendees at the Science On Tap event at the Fort Worth Museum of Science and History, Fort Worth, TX.

Filling in the Gaps: New Ways for Pediatric Dentists to Serve Patients with Autism Spectrum Disorder. (2016, April). Presented to members of the Greater Dallas Pediatric Dental Society, Dallas, TX.

Accessibility Programming for Autism Spectrum Disorder at the Amon Carter Museum. (2015, June). Presented to the staff of the Amon Carter Museum, Fort Worth, TX.

Advancing Autism in the Community. (2015, March). Presented to the Mayor's Committee for People with Disabilities, Arlington, TX.

Accommodating for Sensory Differences in Access Programming. (2015, February). Presented at the *Infusion & Inclusion Workshop*, hosted by the Dallas Children's Theater, Dallas, TX.

Promoting Positive Theater Experiences for Families Affected by Autism Spectrum Disorder. (2014, January). Presented to the staff of the Dallas Children's Theater, Dallas, TX.

Response to Intervention: Lessons from Cognitive Developmental Research. (2013, April). Presented to the Krawczyk Lab, Center for Brain Health, University of Texas at Dallas, Dallas, TX.

Sensorimotor Abnormalities in Autism Spectrum Disorder. (2013, May). Presented to the Department of Physical Therapy, University of North Texas Health Science Center, Fort Worth, TX.

Update on Autism Spectrum Disorder. (2013, January). Presented to members of the Greater Dallas Pediatric Dental Society, Addison, TX.

Are We There Yet? Recent Advances in Autism and the Role of Autism Speaks. (2012, October). Presented to employees of Rothstein-Kass, Inc., Dallas, TX.

PRESENTATIONS & POSTERS (Early presentations appear under the name Haylie L. Gomez)

ORAL PRESENTATIONS (* = external, peer-reviewed)

*Schwarz, B., **Miller, H. L.**, Luedtke-Hoffmann, K., Tat, J., Barron, C., Aguirre, S., & Pollard, M. (2020, October). Workplace Incivility and Bullying: Investigating the Prevalence and Impact on Physical Therapy Practice and Education. Accepted for presentation at the *APTA 2020 NEXT Conference* in Phoenix, AZ. (Conference converted to virtual format as a result of the COVID-19 pandemic.)

*Fears, N. E., Templin, T., Sherrod, G. M., Bugnariu, N., Patterson, R., & **Miller, H. L.** (2020, October). Children with Autism Spectrum Disorder use inefficient goal-directed whole body movements compared to typical development. International Motor Development Research Consortium National Assembly. Charleston, South Carolina. *Conference converted to virtual format as a result of the COVID-19 pandemic.*

Miller, H. L. (2020, July). Preliminary assessment of visuomotor profiles in Hispanic children with Autism. Presented at the annual meeting of the Texas Center for Health Disparities, Fort Worth, TX. (Conference converted to virtual format as a result of the COVID-19 pandemic.)

*Richardson, M., Papa, E., Santurri, L., & **Miller, H. L.** (2020, February). Perfectionism, Stress, and the Doctor of Physical Therapy Student. Presented at the *Combined Sections Meeting of the American Physical Therapy Association* in Denver, CO.

***Miller, H. L.**, Richardson, M. V., Schwarz, B., McGuffee, A., & Gillespie, D. (2020, February). Emotional Intelligence across the Professional Lifespan in Physical Therapy: From Novice Student to Expert Practitioner. Presented as an education session at the annual Combined Sections Meeting of the American Physical Therapy Association in Denver, CO.

*Richardson, M. V., **Miller, H. L.**, Papa, E. V., Moore, E., & Santurri, L. (2019, October). Perfectionism, Perceived Stress, Sleep, and the PT Student. Presented at the annual Educational Leadership Conference of the American Physical Therapy Association in Bellevue, WA.

- ***Fears, N. E.**, Kata, K., Chang, S., Nguyen, M., Ganesh, A., & Miller, H. L. (2019, July). Navigating the pathway to diagnosis and care for individuals with Autism Spectrum Disorder. UNT Adventures in Autism Conference, Denton, Texas.
- *Bugnariu, N., **Miller, H. L.**, Patterson, R., & Thibodeau, L. (2019, July). Complex problems require complex solutions: Dynamic postural control in ecologically valid virtual environments. Presented in the “*Virtual reality in motion: moving posture and gait research forward with do-it-yourself vs turnkey systems*” symposium at the *International Society for Posture & Gait Research* meeting in Edinburgh, Scotland.
- ***Miller, H. L.**, Kata, K., Chang, S., Ganesh, A., Hamby, T., Bailey, L., Bowman, W. P., & Mauk, J. E., (2019, June). Minority females are especially vulnerable to health disparities in diagnosis and treatment of Developmental Coordination Disorder (DCD) and Autism Spectrum Disorder with and without co-occurring DCD. Presented in the *Developmental Coordination Disorder and Autism Spectrum Disorders: Similarities, differences, and co-occurrence* symposium at the *13th International Conference on Developmental Coordination Disorder*, Jyväskylä, Finland.
- *Kata, K., Chang, S., Ganesh, A., Mauk, J. E., Bowman, W. P., Bailey, L., Hamby, T., & **Miller, H. L.** (2019, June). Treated prevalence of Developmental Coordination Disorder (DCD) and Autism Spectrum Disorder with co-occurring DCD is significantly less than estimated prevalence at both primary and specialty care sites. Presented in the *Developmental Coordination Disorder and Autism Spectrum Disorders: Similarities, differences, and co-occurrence* symposium at the *13th International Conference on Developmental Coordination Disorder*, Jyväskylä, Finland.
- ***Miller, H. L.**, Sherrod, G. M., Horne, T., Burns, J., Blankenship, D., Nguyen, M., & Bugnariu, N. (2019, March). Sensory reweighting issues implicated in postural control impairments observed among children and adolescents with autism. Presented in the *Development of visual-motor integration during activities of daily living: From research to translation* symposium at the annual meeting of the Society for Research in Child Development, Baltimore, MD.
- *Blankenship, D., Wijayasinghe, I., Sherrod, G., Jaramillo, J., Sankey-Navarro, X., Burns, J., Horne, T., Patterson, R., Popa, D., Bugnariu, N., & **Miller, H. L.** (2019, January). Use of robot interaction to identify kinematic differences in the accuracy of imitative gesturing between individuals with and without Autism Spectrum Disorder (ASD). Presented at the annual Combined Sections Meeting of the *American Physical Therapy Association*, Washington, DC.
- ***Miller, H. L.**, (2018, April) *Autism as a whole body disorder ‘Comorbidities and interdisciplinary care*. Presentation at Grand Rounds at the University of North Texas Health Science Center, Fort Worth, TX.
- ***Miller, H. L.**, Caçola, P., & Bugnariu, N. L. (2017, June). *Dynamic postural control in typical development, Autism Spectrum Disorder and Developmental Coordination Disorder*. Presentation at the *World Congress of the International Society for Posture and Gait Research*, Fort Lauderdale, FL.
- ***Miller, H. L.**, Patterson, R., Wijayasinghe, I., Popa, D., & Bugnariu, N. L. (2017, June). Development of a novel visuomotor integration paradigm by integrating a virtual

environment with mobile eye-tracking and motion-capture systems. Presentation at the *International Conference on Virtual Rehabilitation*, Montreal, Canada.

***Miller, H. L.**, Caçola, P., Sherrod, G., & Bugnariu, N. (2017, June). Visuomotor integration and postural stability in children with DCD and ASD. Presented by Priscila Caçola at *12th International Conference on Developmental Coordination Disorder*, Freemantle, Western Australia.

***Miller, H. L.**, Caçola, P., Sherrod, G., & Bugnariu, N. L. (2017, May). Visuomotor Integration: A potential biomarker of Autism Spectrum Disorder in lab and community-based settings. Presentation at the *International Meeting for Autism Research*, San Francisco, CA.

Miller, H. L. (2017, January). *Lab and community-based assessment of static and dynamic balance in atypically-developing children*. Presentation at the *University of Texas at Arlington Clinical Translational Research Forum*, Arlington, TX.

Miller, H. L. (2016, November). *Visuomotor integration in ASD*. Presentation at the *International Society for Posture and Gait Research: Sensorimotor Functioning in Typical and Atypical Development Training School*, Fort Worth, TX.

Miller, H. L. (2016, November). *Challenges to the study of visuomotor integration in Autism Spectrum Disorder*. Presentation at the *UT Southwestern Translational Science Forum*, Dallas, TX.

Miller, H. L. (2016, April). *Development of a novel paradigm for quantifying visual and motor differences in Autism Spectrum Disorder and related movement disorders*. Presentation at the *UT Southwestern Translational Science Forum*, Dallas, TX.

***Miller, H. L.**, & Bugnariu, N. L. (2016, July). *Visuomotor characteristics of static and dynamic balance in atypical development*. Presentation at the 8th annual *UNT Kristin Farmer Autism Center Adventures in Autism Intervention & Research Conference*, Denton, TX.

***Miller, H. L.**, Mattingly, L., & Bugnariu, N. L. (2015, July). Quantifying visuomotor differences in ASD: Preliminary data from a community sample. Presented by Nicoleta Bugnariu at the 7th annual *UNT Kristin Farmer Autism Center Adventures in Autism Intervention & Research Conference*, Denton, TX.

POSTER PRESENTATIONS (* = external, peer-reviewed)

*Fears, N., Sherrod, G., Templin, T., Bugnariu, N., Patterson, R., & **Miller, H. L.** (2021, April). Developmental trajectory of sensorimotor integration for postural stability in Autism Spectrum Disorder. Accepted for presentation at the annual meeting of the Society for Research in Child Development. (*Conference held in virtual format as a result of the COVID-19 pandemic.*)

***Miller, H. L.**, Mobley, R., Fears, N. E., & Schwarz, B. (2020, May) HELP-Move: A Home exercise program led by parents to improve movement in children with Autism Spectrum Disorder. Accepted for presentation at the annual meeting of the International Society for Autism Research, Seattle, Washington. (*Canceled as a result of the COVID-19 pandemic.*)

- *Fears, N. E., Sherrod, G. M., Templin, T., Bugnariu, N., Patterson, R., & **Miller, H. L.** (2020, May) Developmental trajectory of sensorimotor integration for postural stability in Autism Spectrum Disorder. Accepted for presentation at the annual meeting of the International Society for Autism Research, Seattle, Washington. (*Canceled as a result of the COVID-19 pandemic.*)
- ***Miller, H. L.**, Fears, N. E., & Bugnariu, N. L. (2020, June). Relationships between visual fixation and goal-directed body movement differ between Autism Spectrum Disorder, Developmental Coordination Disorder, and typical development. Accepted for presentation at the annual meeting of the *Vision Sciences Society* in Fort Lauderdale, FL. (*Conference converted to virtual format as a result of the COVID-19 pandemic.*)
- *Mobley, R., Rohani, C., Bow, E., Schwarz, B., & **Miller, H.** (2020, February). The Effect of Exercise Programs on Children with Autism Spectrum Disorder (ASD): A Literature Review. Poster presented at the *Combined Sections Meeting of the American Physical Therapy Association* in Denver, CO.
- Caçola, P., Sherrod, G., Fuchs, C., & **Miller, H.** (2019, September). "Back to Basics": Improvements in dynamic postural control after a group-based intervention program for children with Developmental Coordination Disorder. *Healthy & Active Children*. Poster presented at the International Motor Development Research Consortium in Verona, Italy.
- ***Miller, H. L.**, Sherrod, G. M., & Caçola, P. (2019, July). Developmental Coordination Disorder co-occurs at high rates among children and adolescents with Autism Spectrum Disorder. Poster presented at the *International Society for Posture & Gait Research* meeting in Edinburgh, Scotland.
- *Ganesh, A., Mupparapu, S., & **Miller, H. L.** (2019, May). Caregiver-reported use of autism-related services in the Dallas-Fort Worth metroplex and associated satisfaction ratings. Poster presented at the annual meeting of the *International Society for Autism Research (INSAR)*, Montreal, Canada.
- *Kata, K., Mauk, J. E., Bowman, W. P., Bailey, L., & Hamby, T. & **Miller, H. L.** (2019, May). Delays in motor milestones do not differ between children with Autism Spectrum Disorder (ASD) with and without co-occurring Developmental Coordination Disorder (DCD) and children with DCD alone. Poster presented at the annual meeting of the *International Society for Autism Research (INSAR)*, Montreal, Canada.
- *Sherrod, G. M., Blankenship, D., Wijayasinghe, I., Walsh, E., Patterson, R., Popa, D., Bugnariu, N., & Miller, H. L. (2019, May). Kinematic performance during a human-robot imitative gesturing task differentiates Autism Spectrum Disorder (ASD) from typical development and correlates with clinical assessments of motor skills. Poster presented at the annual meeting of the *International Society for Autism Research (INSAR)*, Montreal, Canada.
- *Kata, K., Mauk, J. E., Bowman, W. P., Bailey, L., & Hamby, T. & **Miller, H. L.** (2019, January) Comparing motor milestone delays in Autism Spectrum Disorder and Developmental Coordination Disorder. Poster presented at the annual mid-winter meeting of the *Texas Osteopathic Medical Association*, Dallas, TX.
- *Burns, J., Horne, T., Blankenship, D., Sherrod, G., Bugnariu, N., & **Miller, H. L.** (2019, March). Visual context relates to impairments in both dynamic and static postural control in individuals with Autism Spectrum Disorder (ASD) relative to typical

development. Poster presented at the annual *UNTHSC Research Appreciation Day*, Fort Worth, TX. [**Winner: Best Poster, School of Health Professions**]

*Chang, S., Kata, K., Ganesh, A., Mauk, J., Hamby, T., Bailey, L., & Miller, H. L. (2019, March). A comparison of Autism Spectrum Disorder (ASD) and a dual diagnosis of ASD + Developmental Coordination Disorder (DCD): A case study. Poster presented at the annual *UNTHSC Research Appreciation Day*, Fort Worth, TX.

*Mobley, R., Rohani, C., Bow, E., & **Miller, H. L.** (2019, March). The effect of exercise programs on children with Autism Spectrum Disorder (ASD): A review of current literature. Poster presented at the annual *UNTHSC Research Appreciation Day*, Fort Worth, TX.

*Shahub, N. A. & **Miller, H. L.** (2019, March). A comparison of Social Responsiveness Scores in patients aged 0-24 with Autism Spectrum Disorder or schizophrenia. Poster presented at the annual *UNTHSC Research Appreciation Day*, Fort Worth, TX.

*Quan, L., Liu, H., & **Miller, H. L.** (2019, March). Treatment of hyperbaric oxygen combined with cannabidiol promotes recovery of brain damage in newborn rats with hypoxia-ischemia. Poster presented at the annual *UNTHSC Research Appreciation Day*, Fort Worth, TX.

*Horne, T., Burns, J., Blankenship, D., Sherrod, G., Bugnariu, N., & **Miller, H. L.** (2019, January). Visual context relates to impairments in both dynamic and static postural control in individuals with Autism Spectrum Disorder (ASD) relative to typical development. Presented at the annual Combined Sections Meeting of the *American Physical Therapy Association*, Washington, DC.

Miller, H. L., Thomi, M., Kata, K., Patterson, R., Nandy, K., Hamby, T., Bailey, L., Bowman, P., & Mauk, J. (2018, July). Minority females are vulnerable to missed or delayed diagnosis of autism spectrum disorder in both local and national healthcare settings. *Poster presented at the annual meeting of the Texas Center for Health Disparities, Fort Worth, TX.*

***Miller, H. L.**, Caçola, P., Sherrod, G. M., & Bugnariu, N. L. (2018, May) Individuals with Autism Spectrum Disorder meet criteria for Developmental Coordination Disorder. *Poster presented at the annual meeting of the International Society for Autism Research (INSAR), Rotterdam, Netherlands.*

Bolinger, E. Gray, J., Dangelmayr, K., Sherrod, G., Dangelmayr, K., Sherrod, G., Bugnariu, N., & **Miller, H. L.** (2018) Postural control and use of eye movements differ during quiet standing in Autism Spectrum Disorder and Typical Development. Poster presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.

Kata, K., **Miller, H. L.**, Mauk, J.E., Bowman, W.P., Bailey, L., & Hamby, T. (2018) *Estimated community prevalence of Autism Spectrum Disorder with and without co-occurring Developmental Coordination Disorder significantly exceeds observed prevalence at two Tarrant County sites offering primary and secondary care.* Poster presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.

- Kata, K., **Miller, H. L.**, Mauk, J.E., Bowman, W.P., Bailey, L., & Hamby, T. (2018) *A multi-center retrospective investigation of diagnostic, referral, and early management pathways for pediatric patients with Autism Spectrum Disorder and Developmental Coordination Disorder*. Poster presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.
- Mupparapu, S., & **Miller, H. L.**, (2018) Development of a REDCap online survey instrument to measure autism-related service utilization and satisfaction in the Dallas-Fort Worth metroplex. Poster presented at the *University of North Texas Health Science Center Public Health Poster Experience*, Fort Worth, TX.
- Thomi, M. Patterson, R.M., & **Miller, H. L.** (2018) Health disparities in age of first concern and age of diagnosis for children with ASD, ADHD, and ASD+ADHD are evident in a national sample. Poster presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX
- Womble, V. L., Sherrod, G. M., Mupparapu, S., Caçola, P., Bugnariu, N. L., & **Miller, H. L.** (2017). Postural stability and reliance on visual context differ between Autism Spectrum Disorder, Developmental Coordination Disorder, and typical development. Presented at the *Summer Research Internship Program* meeting, Fort Worth, TX, 1025.
- ***Miller, H. L.**, Sherrod, G., & Bugnariu, N. (2017, April). *Ready, Aim...Fire? Hand-eye coordination impairments in Autism Spectrum Disorder during a virtual shooting gallery task*. Poster accepted for presentation at the *Society for Research in Child Development 2017 Annual Meeting*, Austin, TX.
- ***Miller, H. L.**, Caçola, P., Sherrod, G., & Bugnariu, N. (2017, April). *Eye and body movement as promising biomarkers and intervention targets in Autism and Developmental Coordination Disorder*. Poster accepted for presentation at the *Society for Research in Child Development 2017 Annual Meeting*, Austin, TX.
- Green, K., **Miller, H.**, Mattingly, L., & Bugnariu, N. (2017, April) *Atypical eye movements and postural control in Autism Spectrum Disorders*. Accepted for presentation at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.
- *Green, K., **Miller, H.**, & Bugnariu, N. (2017, February). *Atypical eye movements and postural control in Autism Spectrum Disorders*. Presented at the annual *Combined Sections Meeting of the American Physical Therapy Association*, San Antonio, TX.
- Sherrod, G. M., **Miller, H. L.**, Caçola, P. M., & Bugnariu, N. L. (2016, April). *Preliminary evidence of a relationship between quantitative measures of postural stability and clinical movement tests in developmental coordination disorder*. Poster presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.
- ***Miller, H. L.**, Mattingly, L., & Bugnariu, N. L. (2016, May). Postural stability and its limits in Autism Spectrum Disorder relate to visual context. Presented at the 2016 *International Meeting for Autism Research (IMFAR)*, Baltimore, MD, 22645 146.192, www.autism-insar.org.
- ***Miller, H. L.**, Caçola, P., Sherrod, G., Patterson, R., & Bugnariu, N. (2016, April). *Visuomotor integration differences in individuals with autism spectrum disorder and*

developmental coordination disorder during static and dynamic postural control tasks. Poster presented at the *Association for Clinical and Translational Science 2016 Annual Meeting*, Washington, DC.

***Miller, H. L.**, Caçola, P., Sherrod, G., Patterson, R., & Bugnariu, N. L. (2016, May). *Postural control relates to accuracy of eye movement in Autism Spectrum Disorder and Developmental Coordination Disorder.* Presented at the *2016 International Meeting for Autism Research (IMFAR)*, Baltimore, MD, 22679 146.191, www.autism-insar.org.

Edgerton, K., **Miller, H.**, Mattingly, L., & Bugnariu, N. (2016, April). *Atypical eye movements and postural control in Autism Spectrum Disorders.* Poster presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.

*Crocker, K., Edgerton, K., Patterson, R., Bugnariu, N., & **Miller, H.** (2016, February). *Visuomotor integration in atypical development.* Presented at the *Combined Sections Meeting of the American Physical Therapy Association*, Anaheim, CA.

*Wijayasinghe, I. B., **Miller, H. L.**, Das, S. K., Bugnariu, N. L., & Popa, D. O. (2015). *Human-like object tracking and gaze estimation with PKD android.* Presented at the annual meeting of the *Society for Optics and Photonics, Sensors for Next-Generation Robotics III*, Baltimore, MD, 985906. <http://dx.doi.org/10.1117/12.2224382>.

Miller, H. L., Mattingly, L., & Bugnariu, N. L. (2015, March). Portable, novel methods for testing the use of visual context to support balance in a naturalistic setting. Presented at the *Fort Worth Museum of Science and History—Research and Learning Center Conference*, Fort Worth, TX.

Miller, H. L., Mattingly, L., & Bugnariu, N. L. (2015, October). Visual tracking and postural stability in a community sample of individuals with autism spectrum disorder and healthy controls. Poster presented at the *Texas Regional CTSA Consortium Fall 2015 Meeting*, Dallas, TX.

***Miller, H. L.**, Patterson, R., Popa, D., Garver, C., de Weerd, C., & Bugnariu, N. (2014, May). *Quantifying imitative behavior deficits in children with Autism Spectrum Disorder.* Presented at the *2014 International Meeting for Autism Research*, Atlanta, GA.

Krishnan, M. L., **Miller, H. L.**, & Bugnariu, N. L. (2014, February). *The current use of virtual environments for assessment and treatment of Autism Spectrum Disorder.* Presented at the annual *University of North Texas Health Science Center Research Appreciation Day*, Fort Worth, TX.

***Miller, H. L.**, Mosconi, M. W., Ragozino, M., Cook, E., & Sweeney, J. A. (2013, July). *Selective set-shifting impairments relate to repetitive behaviors in ASD.* Presented at the *2013 Texas Autism Research Conference*, San Marcos, TX.

Ramirez, M. A., Nichols, H. A., **Miller, H. L.**, & Odegard, T. N. (2012, March) *Narrative processing in children and young adults.* Presented at the *University of Texas—Arlington Annual Celebration of Excellence by Students*, Arlington, TX.

- ***Miller, H. L.**, Odegard, T. N., Alavapadu, A., Ravelo, R., & Hemlinger, J. (2011, May). *Contributions of gist processing and narrative versus list presentation to source monitoring and recognition judgments within a modified DRM framework*. Presented at the 23rd annual convention of the *Association for Psychological Science*, Washington, DC.
- *Hughes, S., Dukes, K., Gabriel, C., **Gomez, H.**, Kaplan, R., Lynch, A., Lee Nichols, A., & Lyddy, F. (2011, May). Do graduate students really think straight about weird things? Presented at the 23rd annual convention of the *Association for Psychological Science*, Washington, DC.
- *Hughes, S., Dukes, K., Gabriel, C., **Gomez, H.**, Kaplan, R., Lynch, A., Lee Nichols, A., & Lyddy, F. (2011, January). Do graduate students really think straight about weird things? Presented at the 12th annual convention of the *Association for Psychological Science*, San Antonio, TX.
- Ravelo, R., **Gomez, H. L.**, Alavapadu., A., Hemlinger, J., & Odegard, T. N. (2010, March). *The influence of presentation type (list versus narrative) on gist processing and source memory*. Presented at the *University of Texas–Arlington Annual Celebration of Excellence by Students*, Arlington, TX.
- ***Gomez, H. L.**, Batto, L. L., Goodell, K. L., & Jensen-Campbell, L. A. (2010, January). *Victimization and the need to belong: An EEG study of reactions to ostracism*. Presented at the 11th annual convention of the *Society for Personality and Social Psychology*, Las Vegas, NV.
- Gomez, H. L.**, Batto, L. L., & Jensen-Campbell, L. A. (2010, February). *Biobehavioral markers of the Rejection Attribution Bias*. Presented at *UT Metroplex Day*, Dallas, TX.
- Alavapadu, A., Moore, K., **Gomez, H. L.**, Ravelo, R., Hemlinger, J., & Odegard, T. N. (2010, March). *Influences of presentation type and item type on gist processing and recognition memory*. Presented at the *University of Texas–Arlington Annual Celebration of Excellence by Students*, Arlington, TX.
- *Ramirez, M. C., Knack, J. M., **Gomez, H. L.**, Jensen-Campbell, L. A. (2008, February) *How important is self-control for adolescent functioning?* Presented at the 9th annual convention of the *Society for Personality and Social Psychology*, Albuquerque, NM.
- *Knack, J. M., **Gomez, H. L.**, Rex-Lear, M., & Jensen-Campbell, L. A. (2009, April). *Neural correlates of victimization and support: An fMRI study of social exclusion*. Presented at the biennial meeting of the *Society for Research in Child Development*, Denver, CO.
- ***Gomez, H. L.**, Goodell, K. L., & Batto, L. L. (2009, February). *Victimization and nBelong: Examining individual differences in social pain thresholds*. Presented at the 10th annual *Society for Personality and Social Psychology* conference, Tampa, FL.
- ***Gomez, H. L.**, Goodell, K. L., & Batto, L. L. (2009, April). *Individual differences in experiencing social pain: Victimization history and threatened needs*. Presented at the biennial meeting of the *Society for Research in Child Development*, Denver, CO.
- *Farris, E. A., Odegard T. N., **Gomez, H.**, Ring, J., Allen, G., & Black, J. (2009, May). *Frontal lobe functional connectivity in reading impaired and non-reading impaired children*.

Presented during the Architecture of the Mind Poster Session at the 21st annual convention of the *Association for Psychological Science*, San Francisco, CA.

Knack, J. M., Rex-Lear, M., **Gomez, H. L.**, & Jensen-Campbell, L. A. (2008, October). *Neural correlates of victimization and social support: An fMRI study of social exclusion*. Presented at the annual *University of Texas at Arlington College of Science Research Day*, Arlington, TX.

*Knack, J. M., **Gomez, H. L.**, & Jensen-Campbell, L. A. (2008, July). *Neural correlates of victimization and support: An fMRI study of social exclusion*. Presented at the biennial meeting of the *International Society for the Study of Behavioral Development*, Würzburg, Germany.

***Gomez, H. L.**, Knack, J. M., Jensen-Campbell, L. A., Allen, G., Sarkar, S., Gomez, M. A., Rex-Lear, M., Campbell, S. (2008, February) *Is exclusion higher for people with a high need to belong?* Presented at the 9th annual convention of the *Society for Personality and Social Psychology*, Albuquerque, NM.

Gomez, H. L., Knack, J. M., Jensen-Campbell, L. A., Allen, G., Sarkar, S., Gomez, M., Rex-Lear, M., Campbell, S. (2008, February) *Is exclusion higher for people with a high need to belong?* Presented at the 8th annual convention of the *University of Texas at Arlington Psi Chi Honor Society*, Arlington, TX.

Rex-Lear, M. A., Gomez, M. A., **Gomez, H. L.**, & Jensen-Campbell, L. A. (2007, February). *The negative influence of being overweight on psychological adjustment in late adolescence*. Presented at the 5th annual convention of the *University of Texas at Arlington Psi Chi Honor Society*, Arlington, TX.

*Knack, J. M., Jensen-Campbell, L. A., Allen, G., Sarkar, S., Gomez, M., Rex-Lear, M., **Gomez, H.**, Biggan, J., & Campbell, S. (2007, May). *Neural correlates of belonging: An fMRI study of social exclusion*. Presented at the *Neural Systems of Social Behavior* conference, Austin, TX.

PROFESSIONAL AFFILIATIONS

Member, Society for Advancement of Chicanos/Hispanics and Native Americans in Science: 2021–Present

Member, International Motor Development Research Consortium: 2020–Present

Member, International Society for Posture & Gait Research: 2017–Present

Member, International Society for Virtual Rehabilitation: 2017–Present

Member, Society for Research in Child Development: 2015–Present

Member, International Society for Autism Research: 2013–Present

Member, Society for Neuroscience: 2013–2015

Member at Large, Graduate Student Committee of the Society for Personality and Social Psychology: March 2010–March 2011.

Member, American Psychological Association of Graduate Students: 2007–2012

Member, UT Arlington Graduate Association of Psychology Students: 2007–2012

Graduate Student Affiliate, American Psychological Society: 2010–2012

Graduate Student Affiliate, American Psychological Association: 2007–2012

Graduate Student Affiliate, Society for Personality & Social Psychology: 2007–2011

Graduate Student Affiliate, Society for Research in Child Development: 2007–2012

MENTORSHIP

Trained/supervised a postdoctoral fellow (Nicholas Fears, Ph.D.) in the Autism & Developmental Disorders Research Team and the Human Movement Performance Lab (March 2019-Present).

Provided research experiences and training to UNT Denton graduate students and Texas Academy of Math & Sciences students (Primary Mentor: Rodney Nielsen, Ph.D.)

Graduate Students:

2019: Ian Zurtuza (master's student)
2018: Perrin Kern (master's student), Natalie Parde (doctoral student)

TAMS Student:

2018-2020: Rhythm Garg (2nd place, Intel International Science & Engineering Fair; APA Association for the Advancement of Artificial Intelligence Honorable Mention and American Psychological Association Honorable Mention)

Trained/supervised UNTHSC graduate students in the Autism & Developmental Disorders Research Team and the Human Movement Performance Lab (2013-Present):

Physical Therapy (* denotes students selected for the competitive American Physical Therapy Association CSM Conference Scholarship):

2018-2021: Emily Bow, Natali Mesa, Darby Banks
2017-2020: Rachael Mobley, Kayla Martinez, Carmel Rohani
2017-2019: Xiomara Navarro-Sankey*, Janci Burns, Danielle Blankenship, Julio Jaramillo
2016-2018: Erin Bolinger, Jaimie Gray, Kalyn Danglmayer
2014-2016: Kaitlyn Green (co-supervised with Nicoleta Bugnariu)
2014-2015: Kara Edgerton, Kayla Crocker (co-supervised with Nicoleta Bugnariu)
2013-2014: Meena Krishnan

Texas College of Osteopathic Medicine (* denotes students selected for the competitive Pediatric Research Program):

2019-2021: Mi Sun Bae, Samantha Haverkamp, Shanzay Mohammad, Blake Pruitt*
2018-2020: Abhi Ganesh*, Shannon Chang*, Trevor Williams, Nur-Alhuda Shahub
2016-2019: Karolina Kata*, Monica Nguyen

School of Public Health (* denotes students who completed an internship project in the lab):

2019-2020: Joseph Vera*
2017-2018: Shravan Mupparapu*, Laci Sherman

Graduate School of Biomedical Sciences (* denotes students in the Clinical Research Management track of the master's degree program; ** denotes students in the Structural Anatomy and Rehabilitation Sciences doctoral degree program):

2020-present: Courtney Miller**
2019-2020: Savannah Hancock*
2017-2018: Morgan Thomi*

Trained/supervised visiting scholar (Lijuan Quan, MD; *First Affiliated Hospital, Nanching University; Nanchang, Jiangxi, China*) in developing knowledge and clinical/research skills during a one-year fellowship (2018).

Trained/supervised visiting NIH BUILD undergraduate student (Ivonne Peña-Alejo, *Brandeis*) in developing and conducting a mentored research project as part of the Summer Research Internship Program (SRIP) and National Research Mentoring Network (Summer 2018).

Trained/supervised visiting NIH BUILD undergraduate student (Victoria Womble, *CSU Northridge*) in developing and conducting a mentored research project as part of the Summer Medical and Research Training (SMART) program and National Research Mentoring Network (Summer 2017).

Mentored 5 undergraduates in developing a poster presentations and/or a research talks for UT Arlington's Annual Celebration of Excellence by Students (2011, 2012).

Mentored 1 undergraduate in UT Arlington's iEngage program (Summer, 2011). Developed a syllabus and supervised training activities to provide experience with the research process.

Trained/supervised undergraduate RAs in the Reading and Memory Lab (2010-2012).

Mentored 2 honors students in Developmental Psychology (Spring 2010). Guided them through theory development, literature searches, and writing a review paper. Credit approved by the course faculty supervisor (Dr. Lauri Jensen-Campbell).

Trained/supervised undergraduate RAs in the Social and Personality Development Lab (2008-2009).

SERVICE

Thesis & Dissertation Committees (Student, Institution: Role)

Yi Huey Lim, Ph.D.; Curtin University: Examiner, Fall 2019

Savannah Hancock; M.S. candidate, UNTHSC/GSBS: Committee Chair, May 2019–August 2019

Mike Richardson, DPT; D.Sci. candidate, University of Indiana: Committee Member, May 2017–December 2019

Morgan Thomi, M.S.; UNTHSC/GSBS: Committee Co-Chair, August 2017–May 2018

Kwang Leng (Alex) Goh, Ph.D.; Curtin University: Examiner, Fall 2017

Internal/Institutional Service (Level: Institution/School/Department)

Appointed Member, Emotional Intelligence Faculty Champions (*Institution*): Feb 2019–Dec 2020

Appointed Member, Faculty Success Coordinating Committee (*Institution*): Feb 2019– Dec 2020

Appointed Member, Research Faculty Search Committee (*Department*): May 2018–May 2019

Appointed Member, GSBS Dean Search Committee (*Institution*): May 2018–Dec 2018

Reviewer, Applied Seed Grants (*Institution*): Apr 2018– Dec 2020

Founding Member, Autism Education & Advocacy Group (*Institution*): Dec 2017– Dec 2020

Appointed Member, President's Council for Research (*Institution*): Dec 2017–Dec 2019

Appointed Member, Early Career Development Council (*Institution*): Oct 2017– Dec 2020

Chair, Aug 2018– Dec 2020

Appointed Member, Institutional Review Board (*Institution*): Sept 2017– Dec 2020

Appointed Member, Valubility Committee (*Institution; School Representative*): Mar 2017–Aug 2018

Appointed Member, Core Facilities Workgroup (*Institution*): Aug 2016–Aug 2017

Appointed Member, Institutes Advisory Committee (*Institution*): June 2016–June 2017

Appointed Member, PT Faculty Development Fund Task Force (*Department*): Feb 2016– Dec 2020

Appointed Member, PT Research Committee (*Department*): Aug 2015–Dec 2020

External/Community Service

Science fair judge, Fort Worth Independent School District: Mar 2019

Panel reviewer, NSF: 2018, 2020

Study section ad hoc reviewer, NIH: 2018, 2020, 2021

Ad hoc reviewing for indexed, peer-reviewed journals including: *Journal of Autism and*

Developmental Disorders, Neuroscience, Research in Autism Spectrum Disorders, Research in Developmental Disabilities, Transactions on Accessible Computing, Physical Therapy, Journal of Racial and Ethnic Health Disparities, Heliyon, Autism & Developmental Language Impairment, Child Development, Gait & Posture, Human Movement Science

Member, Intellectual & Developmental Disabilities Council of Tarrant County: May 2017–Dec 2020

Member, Communications Committee: July 2017–Dec 2020

Member, Board of Directors: Jan 2018–Dec 2020

Founding Member, North Texas Regional Consortium to Promote Healthy Lifestyles for Persons with Intellectual & Developmental Disabilities: July 2016–Dec 2020

Advisor, Sensory-Friendly Programming, Amon Carter Museum: Feb 2014–Dec 2020

Founding Member, ASD Advisory Board, Fort Worth Museum of Science & History: Feb 2014–Dec 2020

Founding Member, Autism Program Advisory Council, Dallas Children's Theater: Oct 2013–Dec 2020

Reviewer, Baker Summer Camp Grants, Autism Speaks: Mar 2013– Dec 2020

Founding Member, Dallas-Fort Worth Community Access Network: Mar 2013– Dec 2020

Reviewer, Family Services Grants, Autism Speaks: July 2012–Dec 2020

Member at Large, Graduate Student Committee of the Society for Personality and Social Psychology: Mar 2010–Mar 2011. Organized events, symposia, and a mentorship luncheon for the 2011 SPSP conference, co-authored *The Forum* (quarterly publication).