

CURRICULUM VITAE

Cristy Phillips, PT, MSPT, EdS, EdD, NDT trained pediatrics
Department of Physical Therapy
State University, AR 72467, USA.
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Telephone: 870-972-3591 extension 2330

- Education:** Doctor of Education
Arkansas State University
Jonesboro, AR duration of study (from Aug, 2008 to May, 2013)
Educational Leadership
- Specialist in Education
Arkansas State University
Jonesboro, AR duration of study (from June, 2006 to May, 2012)
Community College Teaching and Administration
- Master of Science
University of Central Arkansas
Conway, AR duration of study (from August 2000 to August 2003)
Physical Therapy
- Bachelors of Science
Arkansas State University
Jonesboro, AR duration of study (from August 1997 to May 1999)
Physical Therapy
- Bachelors of Science
Arkansas State University
Jonesboro, AR duration of study (from August 1993 to 1997)
Biology

Licensure Information/Registration Number: Cristy Phillips, PT 2316

Advanced Training:

NDT Pediatrics
ImPACT Credentialed Physical Therapist
Crisis Prevention Instructor: General Course
Crisis Prevention Instructor: Autism Spectrum Disorders
JoAnna Briggs Institute: Meta-Analysis and Systematic Review

Employment and Positions Held:

Assistant Professor
Arkansas State University
Jonesboro AR
(August 2012 to present)

Associated Assistant Professor
University of Tennessee Health Sciences
Memphis, Tennessee
(July 2017 to present)

Lecturer
Adjunct
Arkansas State University
Jonesboro AR
(from August 2011 to August 2012)

Senior Therapist/Owner of Physical Therapy Company
Kid's and Company, LLC
Walnut Ridge, AR 72476
(from December 2002 – present)

Lecturer
Adjunct
Crowley's Ridge College
Paragould Arkansas
(from August 2001 – May 2002)

Staff Therapist
NEA Pediatric Physical Therapy
Jonesboro, AR
(from August 1999 – May 2001)

Teaching Responsibilities in Doctoral Physical Therapy Program:

Spring
PT 8653 Neuromuscular II (Pediatric Neurological Rehabilitation)
PT 7252 Psychosocial Aspects of Disability
PT 8151 Research II

Fall
PT 7343 Healthcare Administration
PT 8272 Professional Issues in Physical Therapy II
PT 7141 Research I
PT 8272 Special Topics
PT 8571 Research III

Peer Reviewed Publications:

Phillips, C. (2017) Physical activity modulates common neuroplasticity substrates in major depressive and bipolar disorder. *Neural Plasticity* Epub Apr 26.

Ghasemi, M., **Phillips, C.**, Fahimi, A., McNerney, M.W., Salehi, A. (2017) Mechanisms of action and clinical efficacy of NMDA modulators in mood disorders. *Neuroscience and Biobehavioral Reviews* 2017 Jul 13;80:555-572.

Phillips, C. (2017) Brain-derived neurotrophic factor, depression, and physical activity: Making the synaptic connection. *Neural Plasticity* Epub Aug 8.

Phillips, C. (2017) Lifestyle modulators of neuroplasticity: How physical activity, mental engagement, and diet promote cognitive health. *Neural Plasticity* Epub Jun 12.

Phillips, C., Salehi, A. (2016) Letter to Editor: PGC1- α evidence for a hope molecule? *Physical Therapy Journal (Special Issue Regenerative Medicine Collection)*. 94(6): 681.

Phillips, C., Fahimi, A., Mojabi, F., Salehi, A. (2016) Noradrenergic system in Down syndrome and Alzheimer's disease: A target for therapy. *Current Alzheimer's Research*, 13(1): 68-83.

Garcia-Rill, E., Luster, B., Mahaffey, S., MacNicol, M., Hyde, J.R., D'Onofrio, S.M., **Phillips, C.** (2016) Pedunculopontine gamma band activity and development. *Brain Science*, 5(4): 546-67, doi: 10.3390/brainsci5040546.

Garcia-Rill, E., D'Onofrio, S., Luster, B., Mahaffey, S., Urbano, F., **Phillips, C.** (2016) 10 Hz frequency: A fulcrum for transitional brain states. *Translational Brain Rhythmicity*, 1(1): 7-13, doi: 10.15761/TBR.1000103

Das, D., **Phillips, C., Mojabi, F., Lin, B., Baktir, M., Dang, V., Salehi, A.** (2015) Assessment of dendritic arborization in the dentate gyrus of the hippocampal region in mice. *Journal of Visual Experimentation (JoVE)*, 97, epub. doi: 10.3791/52371.

Phillips, C., Baktir, M., A., Das, D., Lin, B., Salehi, A. (2015) The link between physical activity and cognitive dysfunction in Alzheimer's disease. *Physical Therapy Journal*, 95(7): 1046-60, doi: 10.2522/ptj.20140212.

Phillips, C., Salehi, A., Rafii, M. (2015) Preface. *In Recent Advances in Alzheimer Research (Volume 1): Common pathogenic mechanisms in Alzheimer's disease and Down syndrome_Steps toward therapy.* Salehi, A., Rafii, M., & Phillips, C. (Eds). Bentham Science Publishers. eISBN: 9781681

Phillips, C., Salehi, A., Rafii, M. (2015) Concluding remarks: Lessons learned and future horizons. *In Recent Advances in Alzheimer Research (Volume 1): Common pathogenic mechanisms in Alzheimer's disease and Down syndrome_Steps toward therapy.* Salehi, A., Rafii, M., & Phillips, C. (Eds). Bentham Science Publishers. eISBN: 9781681

Phillips, C., Fahimi, A., Mojabi, A., Das, D., Salehi, A. (2015) Evolution of monoaminergic system degeneration in Down syndrome and Alzheimer's disease. *In Recent Advances in Alzheimer Research (Volume 1): Common pathogenic mechanisms in Alzheimer's disease and Down syndrome_Steps toward therapy.* Salehi, A., Rafii, M., & Phillips, C. (Eds). Bentham Science Publishers. eISBN: 9781681

Ghasemi, M., **Phillips, C., Trillo, L., De Miguel, Z., Das, D., & Salehi, A.** (2014). The role of NMDA receptors in the pathophysiology and treatment of mood disorders. *Neuroscience & Biobehavioral Reviews*, 47, 336-358.

Phillips, C., Baktir, M. A., Srivatsan, M., & Salehi, A. (2014). Neuroprotective effects of physical activity on the brain: A closer look at trophic factor signaling. *Frontiers in Cellular Neuroscience*, 8, 170.

Das, D., **Phillips, C., Hsieh, W., Sumanth, K., Dang, V., & Salehi, A.** (2014). Neurotransmitter-based strategies for the treatment of cognitive dysfunction in Down syndrome. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 54, 140-148.

Other significant products

Co-edited a book with Ahmad Salehi and Michael Rafii entitled "Recent Advances in Alzheimer Research (Volume 1): Common Pathogenic Mechanisms between Down Syndrome and Alzheimer's Disease: Steps toward Therapy. Published by Bentham Science Publishers. September 2015. eISBN: 9781681081380.

Peer Reviewed Scientific and Professional Presentations:

Holland, A., Lowe, L., **Phillips, C.**, Swann, I. Making connections: Pediatric physical therapy using the ICF. Fall 2017. Fayetteville, AR. Optimize Conference.

Phillips, C. The Neuroprotective effects of physical activity for persons at risk for Alzheimer's. Fall 2016. Baltimore, Maryland. 2nd Neurological Disorders Summit.

Phillips, C. Deploying physical activity for cognitive health in persons at risk for Alzheimer's disease. August 2015. Chicago, Illinois. International Conference on Novel Physiotherapies.

Metheny, T., Felts, C., Reynolds, Z., Petrus, H., Perkey, D., **Phillips, C.** Quantification of the cumulative impacts and direction of hits in adolescent football players. August 2015. Chicago, Illinois. International Conference on Novel Physiotherapies.

Phillips, C., Shull, C. Tips and suggestions for parenting a child with Down syndrome. 2015. 321 econference on World Down Syndrome Day.

Phillips, C., Salehi, A. Dementia in aging adults with Down syndrome. 2015. 321 econference on World Down Syndrome Day.

Phillips, C. The importance of physical therapy for children with Down syndrome. 2014. 321 econference on World Down Syndrome Day.

Phillips, C. Interventions for children with Down syndrome: An essential role for the educator. 2014. 321 econference on World Down Syndrome Day.

Phillips, C., Salehi, A., Aldridge, R. Down syndrome town hall meeting. 2014. 321 econference on World Down Syndrome Day.

Aldridge, R., **Phillips, C.,** Vinson, K., Dubrava, J. The impact of therapeutic swiss balls on academic performance in junior high students. 2013. Orlando, Florida. Allied Society for Health Professions.

Phillips, C. Predictors for an autism spectrum disorder diagnosis: Results of a risk modeling endeavor. 2013. Budapest Hungary. International World Congress on Autism: International World Congress on Autism.

Phillips, C. Stress in mainstream-learners with autism spectrum disorder: Considerations for educational practice. 2013. Budapest Hungary. International World Congress on Autism.

Phillips, C., Aldridge, R. Sensory and stress regulation impairments in infants and young children with autism spectrum disorder: Considerations for early interventionists. 2013. St. Petersburg, Russia. International Society for Early Intervention.

Phillips, C., Aldridge, R. Force dissipating effects of properly and improperly worn concussion helmets. 2013. Chicago, Illinois. 2nd International Conference and Exhibition on Neurology and Therapeutics.

Phillips, C., Aldridge, R., Haran, S., Moser, C., and Clark, C. Analysis of seated force distribution patterns in hippotherapy participants. 2013. Chicago, Illinois. 2nd International Conference and Exhibition on Neurology and Therapeutics.

Phillips, C. Conceptualizing a model to predict an autism spectrum disorder diagnosis. International Biometrics and Biostatistics Conference. Chicago, Illinois. June 2013. Best Poster Award.

Invited Presentations:

Phillips, C. Lift training and care for children with special needs. September 2017. Pocahontas School.

Phillips, C., Carroll, R. Concussion in sports: Role of the high school coach. July 28, 2017 ASU.

Phillips, C. Lift training and care for children with special needs. September 2016. Pocahontas School.

Phillips, C., Carroll, R. Concussion in sports: Role of the high school coach. July 28, 2016 ASU.

Phillips, C., Carroll, R. Concussion in sports: Role of the high school coach. July 28, 2015 ASU.

Metheny, T., Felts, C., Reynolds, Z., Petrus, H., Perkey, D., **Phillips, C.** Hard knocks: An analysis of the cumulative impacts and direction of hits in adolescent football players. Astate Board of Trustees Poster May 2015. Jonesboro, AR.

Das, D., **Phillips, C.,** Hsieh, W., Sumanth, K., Dan, V., Salehi, A. Audioslide presentation entitled: Neurotransmitter-based strategies for the treatment of cognitive dysfunction in Down syndrome. 2014. Progress in Neuro-Psychopharmacology and Biological Psychiatry Website.

Phillips, C. Declarative and procedural learning: Implications for educational practice. 2013. Arkansas State University.

Phillips, C. Reconstructing normal: Reconsidering disability. 2013. Disability Seminar Arkansas State University.

Phillips, C. Considering a profession in physical therapy. 2013. Williams Baptist College.

Phillips, C. Conceptualizing a risk model for autism spectrum disorder. 2013. Williams Baptist College.

Phillips, C. Deriving predictors for autism spectrum disorder: A risk modeling approach. 2012. UAMS Kids First.

Phillips, C. Correlated and uncorrelated predictors for autism spectrum disorder: A case-control study. 2012. UAMS Kids First.

Phillips C. Epigenetics and autism. 2011. Toolbox for Teachers Workshop.

Phillips C. Lifting and your back: Essentials of caring for your back on the job. 2011. Paraprofessional Education Portia Arkansas.

Phillips C. Engaging cooperation in the inclusive classroom. 2011. Paraprofessional Education, Portia Arkansas.

Phillips C. Emotional intelligence in the integrated classroom. 2010. Professional Continuing Education.

Phillips C. IDEA policy analysis, 2010. AState Educational Seminar.

Phillips C. Network centric theory: Considerations for research reporting, accountability reporting and documentation. 2010. AState.

Phillips C. Lifting and your back: Essentials of caring for your back on the job. 2010. Paraprofessional Education.

Phillips C. Stress, vision, and autism spectrum disorder. 2009. Animal Research Meeting.

Phillips C. Linking concepts of sensory integration & plasticity with research. 2009. Interagency Coordinating Council.

Phillips C. Early intervention: Considerations for the child with ASD. 2009. Focus Professional Continuing Education.

Phillips C. Birth to three: Early intervention during the golden years. 2008. Professional Education.

Honors and Awards

Mentor for best graduate poster in health analytics at Astate research symposium. 2015.

Mentor for graduate poster award (Troy Metheny and Corey Lawson) at Astate research symposium. 2014.

Best poster award: Conceptualizing a model to predict an autism spectrum disorder diagnosis. International Biometrics and Biostatistics Conference. Chicago, Illinois. June 2013.

Article featured on Global Medical Discovery: Neuroprotective effects of physical activity

Awarded cover picture for article entitled Neurotransmitter-based strategies for the treatment of cognitive dysfunction in Down syndrome. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*.

Awarded perspective article in Physical Therapy Journal

Ad Hoc Reviewer

Neurobiology of Learning and Memory

Neuropharmacology

Psychoneuroendocrinology

Neuropsychiatric Disease and Treatment

Journal of Aging and Physical Activity

Clinical Interventions in Aging

World Journal of Down Syndrome and Dementia

Professional Membership in Scientific/Professional Organizations:

American Physical Therapy Association

Arkansas Physical Therapy Association

American Association of University Professors

Consultative and Advisory Positions Held:

Faculty Advisor Class of 2020

Arkansas State University

From August 2017 to present

Faculty Advisor Class of 2016

Arkansas State University

From August 2013 to May 2016

Current/Active Research Activity:

Neuroprotective effects of certain lifestyle factors (e.g., physical activity, diet, mental engagement) in neurodegenerative and neuropsychiatric disorders

University Service

Academic Progression and Remediation	2012- present
Assessment	2012- present
Scholarship and Awards-Chair	2012- present
Curriculum	2012- present
Student, Faculty, Alumni, and Relations	2012- present
Grievance Committee	2013 – 2015
Wilson Award	2014 – 2016
Multicultural Competence	2015
Delta Health Disparities Conference Committee	2015 – 2016
Consulting NYIT College of Osteopathic Med Sports Conf	2017
Senior Preview Day	2015

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CHNP Open House	2014
CHNP Open House	2013
Harrisburg Career Fair	2013
Scoliosis Screening Valley View	2013
Scoliosis Screening Valley View	2014

Community Service:

Arkansas Physical Therapy Nominating Committee	2017-present
AState baseball baseline neurocom testing and concussion consulting for NCAA athletes	2015 - present
AState men's basketball baseline neurocom testing and concussion consulting for NCAA athletes	2015 - present
AState women's basketball baseline neurocom testing and concussion consulting for NCAA athletes	2015 - present
AState soccer baseline neurocom testing and concussion consulting for NCAA athletes	2015 - present
AState football neurocom baseline testing and concussion consulting for NCAA athletes	2015 - present
AState volleyball neurocom baseline testing and concussion consulting for NCAA athletes	2015 - present
AState baseball baseline impact testing and post-injury interpretation for NCAA athletes	2015 - present
AState men's basketball impact testing and post-injury interpretation for NCAA athletes	2015 - present
AState women's basketball impact testing and post-injury interpretation for NCAA athletes	2015 - present
AState soccer baseline impact testing and post-injury interpretation for NCAA athletes	2015 - present
AState football impact testing and post-injury interpretation for NCAA athletes	2015 - present
AState volleyball baseline impact testing and post-injury interpretation for NCAA athletes	2015 - present
Consultation for local schools and rehabilitation agencies	1999-present
William's Baptist College Physical therapy clinical observation site	2010 to present
Lyon College Physical therapy clinical observation site	2010 to present

Recent Continuing Education:

- Concussion: Implications for physical therapists 8-4-15 APTA webinar
- National Federation of High School Concussion in Sports Course 7-27-15
- Balance eSeminar SOT, MCT, ADT test interpretations with John Peters 6-23-15
- Crisis Prevention Instructor: Refresher Course 6-30-15, Batesville AR
- ImPACT trained physical therapist webinar by ImPACT, 5-30-15
- Computerized dynamic posturography; Webinar by audiology online with Major Carrie Hoppes

The current state of video impulse testing; Webinar by Audiology Online with Devin McCaslin, 5-23-15

Vestibular and balance assessment of athletes with concussion; Webinar by Audiology Online with Dr. Julie Honaker, 5-23-15

Vestibular rehabilitation webinar by Audiology Online with Drs. Susan L Whitney and Patrick Sparto, 5-20-15

ImPACT training workshop: The ImPACT story webinar 5-19-15

ImPACT training workshop: Metabolic event webinar 5-19-15

ImPACT training workshop: Sports concussion & ImPACT webinar 5-19-15

What insurance and athletics professionals should know about concussions
AM Best Company Webinar 4-21-15

JoAnna Briggs systematic review and meta-analysis certification 1-15 Kinston, Ontario

Helping introverts thrive in an active learning classroom 12-18-14

Behavioral issues and Alzheimer's disease: Nonpharmacological management 10-17-14

Heads up! Concussion in youth sports 8-29-14

Legal issues involved in tough academic issues 8-11-14

Confocal microscopy short course 7-8-14 to 7-11-14

Health care law 11-13

Doing disability seminar fall semester 2013

Society for Neuroscience: San Diego 11-13

International Congress Autism Europe: Hungary 9-13

Managing concussions with an interprofessional team APTA 8-13

Generation NeXt goes to college and work 7-13

Crisis intervention for individuals with autism spectrum disorder 7-13

International society for early intervention 7-13

Finish line writing boot camp for academics 7-13

International biometrics and biostatistics conference 6-13

2nd international conference and exhibition on neurology and therapeutics 6-13

Legal issues in higher education: How to not get sued 2013

Crisis intervention certification training 12-12

Re-inventing the classroom 11-12

Re-inventing the lecture 10-12

For crying out loud: Preventing abuse when normal caregiver responses fail 10-12

American Physical Therapy online professionalism module 9-12

Concussion: The perfect storm (Brain Trauma Foundation) 8-12 Webinar