

Daniela Terson de Paleville, Ph.D.

University of Louisville
College of Education & Human Development
Department of Health and Sport Sciences
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EDUCATION

- 2006-11 University of Louisville, Ph.D.
Program: Physiology and Biophysics
Advisor: Susan Harkema, Ph.D.
- 2006-08 University of Louisville, M.S.
Major: Physiology and Biophysics
Advisor: Susan Harkema, Ph.D.
- 2003-05 University of Louisville, M.S.
Major: Exercise Physiology
Advisor: Ann Swank, Ph.D.
- 1996-99 Instituto de Educación Física, Jorge Coll, B.S.
Mendoza, Argentina
Major: Physical Education and Exercise Sciences

POSITIONS

- 2018- present Associate Professor (Tenured), University of Louisville Department of Health and Sport Sciences
Workload: 50% teaching (5 graduate/undergraduates courses per academic year), 30% research, and 20 % service.
- 2011-17 Assistant Professor (Untenured), University of Louisville Department of Health and Sport Sciences
Workload: 50% teaching (5 graduate/undergraduates courses per academic year), 30% research, and 20 % service.
- 2011 Full-time Instructor, University of Louisville Department of Health and Sport Sciences
- 2008-11 Graduate Research Assistant, Neuroscience Collaborative Center, University of Louisville
- 2006-08 Graduate Student Fellow, Integrated Program in Biomedical Sciences (IPIBS), University of Louisville
Department of Physiology and Biophysics
- 2005-06 Instructor (Part-time), University of Louisville
Department of Health and Sport Sciences

- 2005-06 Research Assistant, University of Louisville School of Nursing
- 2005-05 Clinical Rehabilitation Intern, Cardiac Rehabilitation Cardiovascular Associates, Norton Audubon Hospital, Louisville, KY
- 2003-05 Health Education Instructor, American Red Cross Louisville, KY
- 2002-03 Graduate Teaching Assistant, The Citadel, South Carolina Department of Health, Exercise and Sport Sciences
- 1999-2001 Program Instructor and Rehabilitation Therapist, Mendoza Government “Different Capabilities” Municipality of Lujan de Cuyo, Mendoza, Argentina

AWARDS AND HONORS

- 2019 University of Louisville “Faculty Favorite” Award (Student Nomination)
- 2018 University of Louisville “Faculty Favorite” Award (Student Nomination)
- 2017 University of Louisville “Faculty Favorite” Award (Student Nomination)
- 2017 American Society for Microbiology-2017 Annual Biomedical Research Conference for Minority Students (ABRCMS) Judge and Mentor Travel Award, Phoenix, AZ.
- 2016 American Physiological Society, Institute for Teaching and Learning (ITL), Minority Travel Award. Madison, WI.
- 2016 University of Louisville “Faculty Favorite” Award (Student Nomination)
- 2015 University of Louisville Red and Black 2014 “Faculty Mentor Award” (Athlete Students Nomination)
- 2014 American Physiological Society, Travel Award. Foss de Iguassu, Brazil.
- 2014 University of Louisville Red and Black 2013 “Faculty Mentor Award” (Student Athlete Nomination)
- 2013 University of Louisville, Outstanding Mentor (Graduate Students Nomination)
- 2012 Travel Award for the “Leadership development & Grant Writing Seminar,” Federation of American Societies for Experimental Biology Maximizing Access to Research Career. Chantilly, VA.
- 2010 Travel Award, University of Louisville School of Medicine to attend the National Neurotrauma Conference. Las Vegas, NV.
- 2009 Travel Award, University of Louisville Department of Physiology and Biophysics to attend to the Society for Neuroscience conference, Chicago, IL.
- 2009 Travel Award, American Physiological Society to attend the professional skills training on “Writing and Reviewing for Scientific Journals.” Orlando, FL.

- 2009 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring/ American Association for the Advancement of Science Building Science, Engineering and Technology Leadership Workshop for Women in Industry, Academia and Government. Washington, DC.
- 2008 Excellence in Neuroscience Research, Graduate Students Poster Competition Award. Title: *Respiratory Motor Control Assessment in Individuals with Spinal Cord Injury*. “Neuroscience Day” Society for Neuroscience Louisville Chapter. Louisville, KY.
- 2008 Research! Louisville 2008 winner in the “Doctoral Basic- Science Student Division” October 2008, Title: *Effects of Locomotor Training on Pulmonary Function in Individuals with Spinal Cord Injury*. Louisville, KY.
- 2006 University of Louisville Red and Black 2006 “Faculty Mentor” for Student Athletes.

PROFESSIONAL DEVELOPMENT

- 2021 American Spinal Injury Association. Primary Care of Persons with Spinal Cord Injury/Disease, March 12th, 2021.
- 2021 American Spinal Injury Association. Autonomic Dysreflexia: basics and beyond. February 19th 2021.
- 2020 University of Louisville, Delphi Center, Quality Matters-Online and blended teaching.
- 2020 University of Louisville, Delphi Center, Teach Students How to Learn during the Pandemic: Metacognition is the Key! November 10, 2020
- 2020 Blackboard Digital Symposium, November 5, 2020
- 2019 University of Louisville, Delphi Center, Syllabus development and grading, 2019.
- 2018 University of Louisville, Delphi Center, e-clicker for active learning. August 2018.
- 2018 University of Louisville, Delphi Center. Course Design Institute for Active and Adaptive Learning. May 15th- 17th.
- 2016 American Physiological Society, Institute for Teaching and Learning in Physiology Workshop, June 20-24th 2016, Madison, WI.
- 2015 Delphi U Online teaching workshop, University of Louisville Delphi Center for Teaching and Learning, January 2015-April 2015, Louisville, KY.

- 2012 Leadership development & Grant Writing Seminar, Federation of American Societies for experimental Biology (FASEB) Maximizing Access to Research Career, August 2012, Chantilly, VA.
- 2009 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring/ American Association for the Advancement of Science Building Science, Engineering and Technology Leadership Workshop for Women in Industry, Academia and Government, October 2009, Washington, DC.
- 2009 Writing and Reviewing for Scientific Journals American Physiological Society, January 2009, Orlando, FL.

FUNDED AND PENDING GRANTS

- 2021-2022 *Spanish Translation and Promotion of the Spinal Cord Injury Clinical Practices Guidelines for Health Care Providers, People with Spinal Cord Injury and Caregivers living in the USA, and Latin America.*
 Funder: Paralyzed Veterans of America
 Role: Principal Investigator
 Amount: \$50,000
 Status: Pending
- 2018-2023 *Bridges to Undergraduate Success (BUS)*
 Funder: National Institute of Health (NIH) - R25
 Role: mentor (PIs: Dr. Kakar and Dr. Joshua)
 Amount: \$1.3 Million
 Status: Awarded
- 2019 *Access to Quality Exercise in People with Paralysis from Diverse Backgrounds in Louisville Metro Area*
 Funder: Cooperative Consortium for Transdisciplinary Social Justice Research- University of Louisville
 Role: Principal Investigator
 Amount: \$11,000
 Status: Awarded
- 2018 *Physiology Understanding Week 2018- Highland Hills Middle School*
 Funder: American Physiological Society
 Role: Principal Investigator/ organizer
 Amount: teaching materials for 550 students
 Status: Completed
- 2017 *Physiology Understanding Week 2017- Floyd Knobs Elementary School*
 Funder: American Physiological Society
 Role: Principal Investigator/ organizer
 Amount: teaching materials for 150 students
 Status: Completed
- 2016 *Physiology Understanding Week 2016- Floyd Knobs Elementary School*
 Funder: American Physiological Society

- Role: Principal Investigator/ organizer
Amount: teaching materials for 170 students
Status: Completed
- 2017 *Incorporation of Minds in Motion in a Local Spanish-Immersion Elementary School*
Funder: Cooperative Consortium for Transdisciplinary Social Justice Research- University of Louisville
Role: Principal Investigator
Amount: \$3,000 (Fall 2017 course buyout, one full graduate assistantship and one undergraduate fellowship for 4 semesters)
Status: Completed
- 2017 *Effects of Minds in Motion on Motor Control, Balance and Academic Performance in Elementary School Students Attending a Local Spanish-Immersion Elementary School*
Funder: University of Louisville-Executive Vice-President for Research and Innovation (EVPRI)
Role: Principal Investigator
Amount: \$2,997
Status: Completed
- 2016 *Physiology Understanding Week 2016- Hawthorne Elementary School, Jefferson County Public Schools (JCPS).*
Funder: American Physiological Society
Role: Principal Investigator/ organizer
Amount: teaching materials for 450 students
Status: Completed
- 2015 *Physiology Understanding Week 2015- Hawthorne Elementary School, Jefferson County Public Schools (JCPS).*
Funder: American Physiological Society
Role: Principal Investigator/Organizer
Amount: Teaching materials for 430 students
Status: Completed
- 2014-2016 *Spinal Cord Injury Kentucky Regional Model System Grant*
Funder: US Department of Education, National Institute of Disability and Rehabilitation research (NIDRR)
Role: Investigator (PI: Daniel Graves, Ph.D.)
Amount: \$ 2.2 million
Status: Ended
- 2014-2014 *Effects of Locomotor Training on Trunk/Postural Control and Pulmonary Function in Children with Spinal Cord Injuries*
Funder: NIH/NIGMS P30GM103507- Kentucky Spinal Cord Injury Research Center
Role: Principal Investigator
Amount: \$11,500
Status: Completed

- 2013-2014 *Effects of Locomotor Training on Trunk/Postural Control and Pulmonary Function in Children with Spinal Cord Injuries*
 Funder: NIH/NIGMS P30GM103507- Kentucky Spinal Cord Injury Research Center
 Role: Principal Investigator
 Amount: \$22,500
 Status: Completed
- 2013-2014 *Development and Validation of a Submaximal Test to Evaluate Cardiovascular Fitness in Individuals with Spinal Cord Injuries*
 Funder: University of Louisville Intramural Research Incentive Grants- Undergraduate Research grants.
 Role: Principal Investigator
 Amount: \$2,699
 Status: Completed
- 2014 *Body Composition and Cardiovascular Fitness in Individuals with Spinal Cord Injury*
 Funder: University of Louisville, CEHD Research and Faculty Development Summer Scholarship.
 Role: Principal Investigator
 Amount: summer X-pay 10% of salary
 Status: Completed
- 2013-2013 *Pulmonary Function and Respiratory Muscle Activation in Individuals with Chronic Spinal Cord Injuries*
 Funder: University of Louisville Intramural Research Incentive Grants (IRIG)
 Role: Principal Investigator
 Amount: \$3,500
 Status: Completed
- 2011 *Physiology Understanding Week 2010 - Sacred Heart School, Jeffersonville, IN*
 Funder: American Physiological Society
 Role: Principal Investigator/ Organizer
 Amount: Teaching materials for 40 students
 Status: Completed
- 2006-08 University of Louisville Integrated Programs in Biomedical Sciences (IPIBS) Fellowship
 Status: Completed

UNFUNDED AND PILOT PROJECTS

- 2021 *Autogenic Feedback Training Exercise (AFTE) to Improve Autonomic Responses in people the Spinal Cord Injury*
 Role: Principal Investigator
 Status: ongoing

PUBLICATIONS

Mentees co-authors are either undergraduate (identified with **) or graduate students (identified with *)

Terson de Paleville, D. (under review). Active learning assignment: Legos and coins to understand glucose metabolism. *Advances in Physiology Education*.

Terson de Paleville, D., Lorenz, D. & Angeli, C. (under review). Accuracy of Current Prediction Equations to Estimate Body fat and Resting Metabolic Rate in People with Chronic Spinal Cord Injury. *Journal of Spinal Cord Medicine*.

Terson de Paleville, D. (2021). Synchronous and asynchronous experiences in Advanced Exercise Physiology Courses: what teaching tools work best for my students? Life Science Teaching Resource Community, <https://blog.lifescitrc.org/pecop/>

King, K. M., Hartson, K., Della, L., & **Terson de Paleville, D.** (2020). Promoting physical activity during the COVID-19 pandemic [clinical applications]. *ACSM's Health & Fitness Journal*, 24(6), 43-47. doi:10.1249/FIT.0000000000000616

Terson de Paleville, D. & Immekus, J. (2020) Minds in motion: incorporation of daily physical activity before school improves academic skills and motor proficiency in elementary school students. *Journal of Physical Activity and Health*. 17, 907-914. <https://doi.org/10.1123/jpah.2019-0454>

Terson de Paleville, D., Harman, K., Richards, E., Jagers, J. & King, K. (2020) "Physiology Understanding Week" in a Public Middle School in Southern Indiana: Exercise and Health. *Advances in Physiology Education* 44 (2) 254-261.

Immekus, J., Muntis, F.*, **Terson de Paleville, D.** (2020). Lasso for Predictor Selection in Exercise Science Research: Association of Motor Proficiency, Balance, Visual Efficiency, and Behavior with the Academic Skills of Elementary School-Aged Children. *Journal Motor Learning & Development* 8:1 (126-144), doi: 10.1123/jmld.2018-0023

Terson de Paleville, D. (2019) "Physiology Understanding Week (*PhUn*) in a Public Spanish-Immersion Elementary School in Kentucky". *Adv Physiol Educ* 43: 288–292; doi:10.1152/advan.00042.2019.

Terson de Paleville, D., Harkema, S. & Angeli, C. (2019). Epidural stimulation with locomotor training improves cardiovascular fitness and body composition in individuals with high thoracic motor complete spinal cord injuries. *Journal of Spinal Cord Medicine*; 14:1-7.

Day, A.*, Day, M. *, **Terson de Paleville, D.,** & King, K. M. (2018). Strategies for Implementing Safe and Effective Yoga Programs. *ACSM's Health & Fitness Journal* 22:6 (59-63)

- King, K. M. & **Terson de Paleville, D.** (2018). Partnering with schools to implement physical activity interventions. *ACSM's Health & Fitness Journal*, 22, 2, 38-41
- Martin, J. L., Perry R. A., Baptista, R. A., McArtor J. D., Clutter, L. B., Symons T. B., **Terson de Paleville, D.**, Roberts, A., Cesarz G., & Caruso, J. F. (2016). Workload's impact on perceived gender-based differences in delta blood lactate values from high-speed exercise. *Isokinetics and Exercise Science*, 24, 181-187.
- McCulloch, J., * Kloby, M., * Love, M. *, Lorenz, D., & **Terson de Paleville, D.** (2015). Prediction of maximal oxygen consumption from rating of perceived exertion (RPE) using a modified total-body recumbent stepper. *International Journal of Exercise Sciences*, 8 (4), 416-424.
- Terson de Paleville, D.**, & Lorenz, D. (2015). Compensatory muscle activation during forced respiratory tasks in individuals with chronic spinal cord injury. *Respiratory Physiology & Neurobiology*, 217, 54-62.
- Terson de Paleville, D.**, Sayenko, D., Aslan, S., Folz, R., McKay, W., & Ovechkin, A. (2014). Respiratory motor function in seated and supine positions in individuals with chronic spinal cord injury. *Respiratory Physiology & Neurobiology* 203, 9-14.
- Terson de Paleville, D.**, & Swank, A. M. (2014). Special considerations for exercising testing and programming for individuals with spinal cord injury. *ACSM's Health & Fitness Journal*, 18, 44-46
- Vidoni, C., Lorenz, D., & **Terson de Paleville, D.** (2014). Incorporating a Movement Skill Program into a Preschool Daily Schedule; *Early Child Development and Care*. Volume 184, Issue 8, 1211-1222
- Terson de Paleville, D** McKay, WB; Aslan, S; Folz, R.; Sayenko, D. & Ovechkin, A. (2013). Locomotor Step Training with Body Weight Support Improves Respiratory Motor Function in Individuals with Chronic Spinal Cord Injury; *Respiratory Physiology & Neurobiology*, 189(3), 1-16.
- Ovechkin, A., Vitaz, T., **Terson de Paleville, D.**, & McKay, W. B. (2013). Quality of residual neuromuscular control and functional deficits in patients with spinal cord injury. *Frontiers in Spinal Cord Medicine*, Volume 4, article 174, 1-8.
- Terson de Paleville, D.**, McKay, W. B., Folz, R., & Ovechkin, A. (2011). Respiratory motor control disrupted by spinal cord injury: Mechanisms, evaluation, and restoration. *Translational Stroke Research*, 2(4), 463-473.
- McKay, W. B., Ovechkin, A., Vitaz, T., **Terson de Paleville, D.**, & Harkema, S. (2011). Neurophysiological characterization of voluntary motor control recovery in acute spinal cord injury; *Spinal Cord*, 49, 421-429.
- McKay, W. B., Ovechkin, A., Vitaz, T., **Terson de Paleville, D.**, & Harkema, S. (2011). Long-lasting involuntary motor activity after spinal cord injury. *Spinal Cord*, 49, 87-93.
- Ovechkin, A, Vitaz, T., **Terson de Paleville, D.**, Aslan, S., & McKay, W. B. (2010). Evaluation of respiratory muscle activation in individuals with chronic spinal cord injury. *Respiratory Physiology & Neurobiology*, 173, 171-178.
- Terson de Paleville, D.**, Swank, A., Funk, D., Bradley, S., & Topp, R. (2009) Adding

weights to low intensity exercise increases isometric muscular strength and functional ability in healthy older adults. *Journal International Fitness*, 5(1), 51–59.

Terson de Paleville, D., Topp, R., & Swank, A. M. (2007). Effects of aerobic training prior to and during chemotherapy in a breast cancer patient: a case study. *Journal of Strength and Conditioning Research*; 21 (2), 635-637.

NATIONAL/INTERNATIONAL PRESENTATIONS

Terson de Paleville, D. (August 29, 2020). American Spinal Injury Association-Americas Committee Round Tables. Body Composition in Individuals with Spinal Cord Injury.

Terson de Paleville, D. (March 06, 2020). Brain Injury Alliance of Kentucky Summit (BIAK-2020). Exercise Testing and Prescription Considerations for Special Populations

Terson de Paleville, D. (January 31, 2020), University of Nebraska Medical School Omaha Cellular and Integrative Physiology seminar series, “Pulmonary Function and Cardiovascular Fitness after Spinal Cord Injury”

Terson de Paleville, D; King, K; Richards, E.; Harman, K and Jagers, J. (2019, April) *Physical Activity, Cardiovascular Fitness Levels and Strategies to Increase Daily Energy Expenditure in Middle School Age students*" Experimental Biology. Orlando, FL.

Graves, D., Atkinson, D., & **Terson de Paleville, D.** (2016, April). *Measurements of trunk musculature after spinal cord injury (mini-symposium)*. American Spinal Cord Association Annual Scientific Meeting, Philadelphia, PA.

Terson de Paleville, D., Immekus, J. C., & Maldonado, C. (2016, April). *Physiology understanding week in a Spanish-immersion elementary school in Kentucky*. Experimental Biology. San Diego, CA.

Terson de Paleville, D., Lorenz, D., McCulloch*, J., Kloby*, M., Love*, M., Walden, A., ** & Harkema, S. (2014, June). *Development of indirect tests to estimate maximal oxygen consumption and body composition in individuals with spinal cord injury*. Poster and oral presentation at “The International 22nd Puijo Symposium: Physical Exercise in Clinical Medicine- Critical Appraisal of Scientific Evidence”. Kuopio, Finland.

Terson de Paleville, D., Lorenz, D., McCulloch*, J., Aslan, S., Walden, A. **, Kloby, M. *, Love, M. *, & Harkema, S. (2014, April). *Development of protocols to estimate maximal oxygen consumption and body composition in individuals with spinal cord injury*. Experimental Biology. San Diego, CA.

Kloby, M. *, McCulloch*, J., Lorenz, D., Aslan, S., & **Terson de Paleville, D.** (2014, April). *RPE- based Submaximal oxygen consumption test for spinal cord injury individuals: A proof of concept study*. Poster presented at American College of Sports Medicine 61st Annual Meeting and 5th World Congress on Exercise is Medicine. Orlando, FL.

- Manning, J. **, Kloby, M. *, McCulloch, J. *, Lorenz, D., Aslan, S., & **Terson de Paleville, D.** (2014, April). *Development of a RPE-based Submaximal Oxygen Consumption Test Using Total Body Recumbent Stepper in Spinal Cord Injury*. Poster presented at the National Conference for Undergraduate Research. Lexington, KY.
- Walden, A. **, Love, M. *, Kloby, M. *, Lorenz, D., & **Terson de Paleville, D.** (2014, April). *Estimation of body composition using skinfolds measurements in individuals with spinal cord injury* Poster presented at the National Conference for Undergraduate Research. Lexington, KY.
- Terson de Paleville, D.** (2014, March). *Body composition and cardiovascular fitness in individuals with spinal cord injury*. Oral presentation and demonstration at the Christopher and Dana Reeve Foundation NeuroRecovery Network National Summit. Frazier Rehab Institute, Louisville, KY.
- Terson de Paleville, D.**, Trimble, S., Argetsinger, L., Love, M., Kloby, M., Howland, D., & Behrman, A. (2014, November). *Trunk control and pulmonary function in children with spinal cord injuries: a pilot study on the effects of locomotor training*. Poster presented at Society for Neuroscience Annual Conference. Washington, DC.
- Terson de Paleville, D.**, Lorenz, D., McCulloch, J. *, Aslan, S., Kloby, M. *, Love, M. *, Walden, A. **, & Harkema, S. (2014, April). *Development of protocols to estimate maximal oxygen consumption and body composition in individuals with spinal cord injury*. Poster presented at Experimental Biology, San Diego, CA.
- Terson de Paleville, D.**, Sayenko, D., & Alexander V., & Ovechkin. A. (2014, April). *Respiratory motor function outcomes in sitting and supine positions in patients with chronic spinal cord injury*. Poster presented at The 53rd Annual Scientific Meeting of International Spinal Cord Society. Maastricht, Netherlands.
- Vidoni, C., Hanaki-Martin, S., Carter, K., Wooten, S., Lorenz, D., **Terson de Paleville, D.** (2014, April). *Incorporating a Movement Skill Program into a Preschool Daily Schedule*. Paper presented at American Alliance for Health, Physical Education, Recreation and Dance National Convention. St Louis, MO.
- Terson de Paleville, D.**, Ovechkin, A., Chopra, M., Aslan, S., McKay, W. B., & Harkema, S. (2013, April). *Locomotor training improves body composition and trunk motor control in spinal cord injured individuals*. Poster presented at Experimental Biology. Boston, MA.
- Terson de Paleville, D** Chopra, M; Atkinson, D; Lorenz, D & Harkema, S. (2012, October). *Neurophysiological assessment of trunk muscles in individuals with spinal cord injury: Effects of locomotor training*. Poster presented at Society for Neuroscience. New Orleans, LA.
- Terson de Paleville, D;** Lorenz, D & Harkema, S. (2011, November) *Functional neurophysiological assessment of respiratory muscles in individuals with spinal cord injury*. Poster presented at Society for Neuroscience. Washington, DC.
- Terson de Paleville, D.**, Ovechkin, A., McKay, W. B., & Harkema S. (2010, June). *Muscle activation during voluntary respiratory tasks in individuals with chronic spinal cord injury*. Poster presented at National Neurotrauma Symposium. Las Vegas, NV.

Ovechkin, A., Harkema, S., **Terson de Paleville, D.**, & McKay W. B. (2008, November). *Evaluation of motor activity for respiration in individuals with spinal cord injury*. Poster presented at Society for Neuroscience. Washington DC.

Ovechkin, A; Harkema, S, **Terson De Paleville, D** & William B. McKay (2008, December) *Evaluation of expiratory muscle activation patterns in individuals with spinal cord injury*. Poster presented at International Respiratory Care Symposium. Anaheim, CA.

REGIONAL/LOCAL AND MENTEES PRESENTATIONS

On citations as senior author I was mentoring either undergraduate (identified with **) or graduate students (identified with *)

Little, T**, Immekus J.C. & **Terson de Paleville, D.** (2018, April). *Associations between Balance, Motor Control and Academic Performance in Elementary School Students*. University of Louisville Celebration of Student Writing.

Cleary, N. **, Immekus, J. C., & **Terson de Paleville, D.** (2017, April). *Hyperactivity and inattention in elementary school and its relationship with visual efficiency*: Poster presented at the annual University of Louisville Undergraduate Research and Community Engagement Symposium. Louisville, KY.

Muntis, F. *, Vargas, L*, Immekus, J. C., & **Terson de Paleville, D.** (2017, April). *Associations between motor proficiency, cognitive tempo, academic skills, balance and visual efficiency in elementary school students*. Poster presented at the annual Society for Neuroscience-Louisville Chapter, Neuroscience Day. Louisville, KY.

Vargas, L. *, Immekus, J. C., & **Terson de Paleville, D.** (2017, April). *Gravity falls: The relationship between balance, visual efficiency and motor proficiency in elementary school age children*. Poster presented at the annual Society for Neuroscience-Louisville Chapter, Neuroscience Day. Louisville, KY.

Cleary, N. **, Immekus, J. C., & **Terson de Paleville, D.** (2017, April). *Hyperactivity and inattention in elementary school: relationship with visual inefficiency*. Poster presented at the annual Society for Neuroscience-Louisville Chapter, Neuroscience Day. Louisville, KY.

Little, T. **, Immekus, J. C., & **Terson de Paleville, D.** (March 2017). *Incorporation of a physical activity program "Minds in Motion" in a Spanish-immersion elementary school: Effects on classroom behavior and academic performance*. Poster presented at the annual Posters in the Capitol. Frankfort, KY.

Newman, W. *, Angeli, C., & **Terson de Paleville, D.** (2016, April). *Discrepancies between measured and predicted values for body composition and resting metabolic rate in individuals with Spinal Cord Injury*. Poster presented at the annual Neuroscience-Louisville Chapter, Neuroscience Day. Louisville, KY.

Jones, B. *, **Terson de Paleville, D.**, Harkema, S., & Angeli, C. (2016, April). *Epidural stimulation with locomotor training improves cardiovascular fitness and body composition in one individual with thoracic motor complete spinal cord injury: A case study*. Poster presented at the annual Neuroscience-Louisville Chapter, Neuroscience Day. Louisville, KY.

- Manning, J. *, Lorenz, D., & **Terson de Paleville D.** (2016, April). *Graded exercise test to predict cardiovascular fitness in individuals with spinal cord injury*. Poster presented at the annual Neuroscience-Louisville Chapter, Neuroscience Day. Louisville, KY.
- Tanget, S. **, & **Terson de Paleville, D.** (2016, April). *Development of a scale of perceived exertion in children with spinal cord injury*. Poster presented at the annual University of Louisville Undergraduate Research Symposium. Louisville, KY.
- Steward, M. **, Kloby, M., & **Terson de Paleville, D.** (2015, April). *Body composition in individuals with chronic spinal cord injury*. Poster presented at Research! Louisville 2015. Louisville, KY.
- Steward, M. **, Kloby, M. *, Love, M. *, & **Terson de Paleville, D.** (2015, October). *Prediction of body composition in individuals with chronic spinal cord injury*. Poster presented at the University of Louisville, Undergraduate Symposium. Louisville, KY.
- Kloby, M. *, McCulloch, J. *, Lorenz, D., Aslan, S., & **Terson de Paleville, D.** (2014, May). *RPE-based submaximal oxygen consumption test using total body recumbent stepper in spinal cord injury individuals*. Poster presented at the American College of Sports Medicine National Conference. Orlando, FL.
- Walden, A. **, Love, M. *, Kloby, M. *, Lorenz, D., & **Terson de Paleville, D.** (2014, April). *Estimation of Body Composition using Skinfolds Measurements in individuals with Spinal Cord Injury*. Poster presented at the annual National Conference for Undergraduate Research. Lexington, KY.
- Manning, J. **, Love, M. *, Kloby, M. *, Lorenz, D. & **Terson de Paleville, D.** (2014, April). *Development of a RPE-based submaximal oxygen consumption test using total body recumbent stepper in spinal cord injury*. Poster presented at the annual National Conference for Undergraduate Research. Lexington, KY.
- Terson de Paleville, D.**, Trimble, S., Argetsinger, L., Love, M. *, Howland, D., & Behrman, A. (2014, May). *Assessment of trunk motor control and pulmonary function in children with spinal cord injury*. Annual Kentucky Spinal Cord and Head Injury Research Trust (KSCHIRT) Symposium, Lexington, KY.
- Walden, A. **, Love, M. *, Kloby, M. *, Lorenz, D., & **Terson de Paleville, D.** (2014, April). *Prediction of body composition in individuals with spinal cord injury*. University of Louisville-University Wide Undergraduate Research Symposium. Louisville, KY.
- Manning, J. **, Love, M. *, Kloby, M. *, Lorenz, D., & **Terson de Paleville, D.** (2014, April). *Development of a RPE-based submaximal oxygen consumption test using total body recumbent stepper in spinal cord injury*. University-wide Undergraduate Research Symposium, Louisville, KY.
- Kloby, M. *, McCulloch, J. *, Lorenz, D., Aslan, S., & **Terson de Paleville, D.** (2013, October). *Validation of a RPE-based submaximal oxygen consumption test using a total body recumbent stepper for individuals with spinal cord injury*. Poster presented at Research! Louisville 2013. Louisville, KY.

- Terson de Paleville, D.,** Ovechkin, A., Aslan, S., McKay, W. B., & Harkema, S. (2013, October). *Locomotor training improves trunk motor control in spinal cord injured individuals*. Poster presented at Research! Louisville 2013. Louisville, KY.
- Terson de Paleville, D.** (2009, March). *Locomotor training improves pulmonary function in individuals with spinal cord injury*. University of Louisville Graduate Research Symposium. Louisville, KY.
- Ovechkin, A; McKay, WB; Harkema, S; **Terson de Paleville, D.,** & Vitaz, T. (2008, October). *Neurophysiological characterization of motor activity in individuals with acute spinal cord injury* Research! Louisville. Louisville, KY.
- Terson de Paleville, D.,** Ovechkin, A., McKay, W. B., & Harkema, S. (2008, October). *Effects of locomotor training on pulmonary function in individuals with spinal cord injury*” Research! Louisville. Louisville, KY.
- Terson de Paleville, D.,** Ovechkin, A., McKay, W. B., & Harkema, S. (2008, April). *Respiratory motor control assessment in individuals with spinal cord injury*. Poster presented at the annual “Neuroscience Day” Society for Neuroscience Louisville Chapter. Louisville, KY.
- Ovechkin, A., McKay, W. B., Harkema, S., **Terson de Paleville, D.,** & Vitaz, W. T. (2008, October). *Neurophysiological characterization of motor activity in individuals with acute spinal cord injury*; Research! Louisville. Louisville, KY.
- Terson de Paleville, D.,** Ovechkin, A., McKay, W. B. & Harkema, S. (2008, October). *Effects of locomotor training on pulmonary function in individuals with spinal cord injury*; Research! Louisville. Louisville, KY.
- Terson de Paleville, D.,** Ovechkin, A., McKay, W. B., & Harkema, S. (2008, April). *Respiratory motor control assessment in individuals with spinal cord injury*. Poster presented at the annual “Neuroscience Day” Society for Neuroscience Louisville Chapter. Louisville, KY.

INVITED PRESENTATIONS

- Terson de Paleville, D.** (2020, March). Brain Injury Alliance of Kentucky Summit (BIAK-2020). Exercise Testing and Prescription Considerations for Special Populations
- Terson de Paleville, D.** (2020, January), University of Nebraska Medical School Omaha Cellular and Integrative Physiology seminar series, “Pulmonary Function and Cardiovascular Fitness after Spinal Cord Injury”
- Terson de Paleville, D.** (2018, May). II Annual Celebration Social Justice Research. Louisville, KY.
- Terson de Paleville, D.** (2017, May). *Navigating Institutional Partnerships*; panel presenter at the inaugural meeting for the Cooperative Consortium for Transdisciplinary Social Justice Research. Louisville, KY.

- Terson de Paleville, D.** (2017, March). *Grant writing in graduate school*. School of Interdisciplinary and Graduate Studies Graduate Student Grant Writing Academy, University of Louisville. Louisville, KY.
- Terson de Paleville, D.** (2015, February). *Locomotor training improves pulmonary function in children with spinal cord injury*. Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2015, November) *Grant writing in graduate school*. School of Interdisciplinary and Graduate Studies Graduate Student Grant Writing Academy, University of Louisville. Louisville, KY.
- Terson de Paleville, D.** (2014, October). *Cardiovascular fitness and body composition in individuals with spinal cord injury*. Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2014, January). *Development of a submaximal test to predict cardiovascular fitness in individuals with spinal cord injury*. Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2013, February) *Opportunities to engage students in meaningful, relevant and useful learning*. University of Louisville “Celebration of Teaching and Learning.” Louisville, KY.
- Terson de Paleville, D.** (2013, January). *Body composition and metabolic function in individuals with chronic spinal cord injury*. Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2011, July). *Respiratory muscle activation in individuals with chronic spinal cord injury: Effects of locomotor training* University of Louisville School of Medicine, Physiology & Biophysics Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2010, June). *Altered respiratory muscle activation patterns in individuals with chronic spinal cord injury*. Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2010, February). *Respiratory muscle activation in individuals with chronic spinal cord injury: effects of different rehabilitative therapies*. University of Louisville School of Medicine, Physiology & Biophysics Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2009, May). *Respiratory motor control assessment in individuals with chronic spinal cord injury* Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.
- Terson de Paleville, D.** (2008, September). *Effects of locomotor training in individuals with spinal cord injury*. Kentucky Spinal Cord Injury Research Center Seminar Series. Louisville, KY.

TEACHING

University of Louisville, Louisville, KY

Department of Health & Sport Sciences

Undergraduate

HSS 101: Beginning Swimming
HSS 102: Advanced Swimming
HSS 114: Fitness Walking
HSS 115: Step Aerobics
HSS 108: Water Fitness
HSS 112: Mini-Marathon Training
HSS 115: Step Aerobics
HSS 180: First Aid Responding to Emergencies
HSS 181: Academic Orientation
HSS 184: Healthy Lifestyles I
HSS 202: Anatomy
HSS 386: Anatomy and Physiology I
HSS 390: Anatomy and Physiology II
HSS 387: Biomechanics
HSS 597: Independent Studies in Exercise Sciences
HSS 486: Advanced Exercise Physiology
EXP 607/HSS 597: Neuromuscular Exercise Physiology

Graduate

EXP 600: Human Physiology
EXP 601: Physiology of Exercise
EXP 604: Advanced Topics in Exercise Physiology
EXP 605: Human Physiology
EXP 607: Neuromechanics of Human Movement

The Citadel, Charleston, SC

Department of Health, Exercise and Sport Sciences

Undergraduate

RPED 101: Beginning Swimming
RPED 102: Intermediate Swimming
RPED 180: First Aid and CPR

SERVICE

Service to the Exercise Physiology and Exercise Science Programs

- 2018- present Program Representative in Department of Health and Sport Science Curriculum committee.
- 2018 Member of the Exercise Physiology and Exercise Science Faculty Search Committee
- 2017-Present Mentor, Health and Human Performance Club
- 2017-Present Career Development Mentor, Exercise Sciences and Exercise Physiology
- 2017-Present Chair of the Exercise Physiology Research and Travel award committee
- 2012-Present Chair, Exercise Physiology Graduate Travel Awards Committee
- 2012-Present Member, Exercise Physiology Program Committee
- 2012-17 Supervisor, Exercise Physiology Graduate Research & Teaching Assistants
- 2014-15 Chair, Exercise Physiology Research and Development Committee
- 2013 Co-Chair, Exercise Physiology and Exercise Science Faculty Search Committee
- 2012 Co-Chair, Exercise Physiology and Exercise Science Faculty Search Committee

Service to the Department of Health and Sport Sciences

- 2020-2021 Member on the Sport Administration Assistant professor search committee
- 2018-Present Member of the Department Curriculum Committee
- 2018-Present Member of the Department Personal Committee
- 2018-Present Member of Committee on Committees
- 2013-14 Member of the Department of Health and Sport Sciences Chair Search Committee
- 2011-16 Member of the Department of Health and Sport Sciences Research Committee
- 2014-16 Member of the Department of Health and Sport Sciences Diversity Committee

- 2013-14 Chair of the Department of Health and Sport Sciences Faculty Search Committee
- 2013 Co-Chair of the Exercise Physiology Search Committee
- 2012-15 Member of the Department of Health and Sport Science Research and Mentoring Committee
- 2012-15 Member of the Department of Health and Sport Sciences Diversity Committee

Service to the College of Education and Human Development

- 2018- present Member of the College of Education & Human Development Committee on committees.
- 2018-Present Member of the College of Education & Human Development Research Advisory Committee
- 2019 Department of Educational Leadership, Evaluation and Organizational Development P-12 Educational Leadership Clinical Assistant Professor Search Committee
- 2013-14 Member of the College of Education & Human Development Dean Search Committee

Service to the University

- 2020-2021 Member on the Dean of the College of Education and Human Development search committee.
- 2020- Present Commissioner in the Commission on Diversity and Racial Equity.
- 2020-Present Member of the “Cardinals Anti-Racist Agenda” (CARA)
- 2018-Present Member of the University of Louisville Faculty Grievance
- 2013-Present Member of the University of Louisville Hispanic and Latino Faculty and Staff Association
- 2014 University of Louisville, Designated Faculty Member for the Proposed Doctoral Program in Translational Neuroscience Doctor of Philosophy in Interdisciplinary Studies: Specialization in Translational Neuroscience

Service to the Community

- 2019 Organizer of the Science Fair 2019 at Floyds Knobs Elementary School; Floyds Knobs, IN.
- 2018 Organizer of the “Physiology Understanding Week 2018” Sponsored by the American Physiological Society at Highland Hills Middle School; Georgetown, IN

- 2018 Organizer of the “Physiology Understanding Week 2018” Sponsored by the American Physiological Society at Floyds Knobs Elementary School; Floyds Knobs, IN
- 2018 Organizer of the “Physiology Understanding Week 2017” Sponsored by the American Physiological Society at Floyds Knobs Elementary School; Floyds Knobs, IN
- 2018 Organizer of the Science Fair 2018 at Floyds Knobs Elementary School; Floyds Knobs, IN.
- 2016 Organizer of the “Physiology Understanding Week 2016” Sponsored by the American Physiological Society at Hawthorne Elementary School. Louisville, KY.
- 2016 Organizer of the 2nd “Bilingual Exercise Physiology Science Fair: exercise and learning” at Hawthorne Elementary School. Louisville, KY.
- 2016 Mentor for middle and high school students at the “6th annual Youth Science Summit” KY Science Center. Louisville, KY.
- 2015 Organizer of the “Physiology Understanding Week 2015” at Hawthorne Elementary School. Louisville, KY. Sponsored by the American Physiological Society at Hawthorne Elementary School. Louisville, KY.
- 2015 Organizer of the 1st “Bilingual Exercise Physiology Science Fair: Exercise and Learning” at Hawthorne Elementary School, Jefferson County Public School. Louisville, KY.
- 2012 Organizer of the “Physiology Understanding Week 2012”. Sponsored by the American Physiological Society at Sacred Heart School. Jeffersonville, IN.

Professional Service

- 2020-present American Physiological Society Teaching Experiences for Bioscience Educators Fellowship’s mentor.
- 2019- present Organizing committee member of the “Interactive Symposium for Physical Activity after Stroke and Spinal Cord Injury” Louisville, KY (October 17th, 2020)
- 2019- *present* American Spinal Injury Association (ASIA) “Americas” committee member.
- 2019- *present* Journal Reviewer, *International Journal of Exercise Sciences*.
- 2018- *present* Journal Reviewer, *Journal of Spinal Cord Medicine*.
- 2019- *present* Grant Reviewer. University of Louisville Transdisciplinary Consortium for Social Justice Research.
- 2020 Grant panel reviewer for “Small Business” for the National Institute on Disability Independent Living, and Rehabilitation Research (NIDILRR).
- 2018 Grant panel reviewer for “Health and Function” National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR).

- 2017 Journal Reviewer, *Journal of Neurorestoratology*
- 2014- 16 Journal Reviewer, *Archives of Physical Medicine and Rehabilitation*
- 2016 Content consultant for middle school age students “STEM in the Real World Sports Science and Technology in the Real World” by Janet Slingerlands, ABDO publishing
- 2015 Assessor for the General Education KY Curriculum Committee for the Natural Sciences
- 2013-15 Grant panel reviewer for the US Department of Education, National Institute of Disability and Rehabilitation Research (NIDRR) Health and Function of Individuals with Disabilities
- 2012-15 Member of the Data Integrity and Dissemination Committee for Christopher and Dana Reeve Foundation NeuroRecovery Network

Thesis and Dissertations Committees

Master’s Committees

- 2017-2019 Exercise Physiology, Thesis Chair
Student: Abigail Day
- 2017-2018 Exercise Physiology, Thesis Chair
Student: Liliana Vargas
- 2017 Exercise Physiology Thesis Chair
Student: Franklin Muntis
- 2016 Bioinformatics and Biostatistics, thesis committee member
Student: Mary Gregg
- 2015-16 Exercise Physiology Research Thesis committee member
Student: Sarah Sunderman
- 2012-13 Exercise Physiology Thesis Chair
Student: John McCulloch
- 2011-12 Exercise Physiology Research Thesis committee member
Student: Goutam Singh

Doctoral Committees

- 2014-17 Physiology and Biophysics, doctoral dissertation committee member
Student: Goutam Singh

PROFESSIONAL AFFILIATIONS

American Spinal Injury Association

American Physiological Society

Kentucky Spinal Cord Injury Research Center

Society for Neuroscience, Louisville Chapter

American Translators Association