

**Daniela Terson de Paleville, Ph.D.**

University of Louisville  
College of Education & Human Development  
Department of Health and Sport Sciences  
East Student Activity Center 105E  
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**EDUCATION**

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- 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**

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- 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**

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- 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**

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- 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 15<sup>th</sup>- 17<sup>th</sup>.
- 2016 American Physiological Society, Institute for Teaching and Learning in Physiology Workshop, June 20-24<sup>th</sup> 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

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- 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: Kentucky Spinal Cord Injury Research Center- 8 P30 GM103507 pilot grant (supplemental 2nd year funds)  
 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: Kentucky Spinal Cord Injury Research Center-<sup>[1]</sup><sub>SEP</sub>8 P30 GM103507 Pilot Grant.  
 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<sup>[1]</sup><sub>[SEP]</sub>  
 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

## **PUBLICATIONS**

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

**Terson de Paleville, D.** & Immekus, J. (under review) 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*.

Immekus, J., Muntis, F.\*, **Terson de Paleville, D.** (in press). 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*; 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 and 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 and 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**

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**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

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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

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**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**

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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 601: Physiology of Exercise

EXP 604: Advanced Topic in Exercise 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

RPED115: Dance Aerobics

**SERVICE**

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***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***

- 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 Research Advisory Committee
- 2018 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***

- 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 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 2<sup>nd</sup> “Bilingual Exercise Physiology Science Fair: exercise and learning” at Hawthorne Elementary School. Louisville, KY.
- 2016 Mentor for middle and high school students at the “6<sup>th</sup> 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 1<sup>st</sup> “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***

- 2019 American Spinal Injury Association (ASIA) “Americas” committee member.
- 2019 Journal Reviewer, *International Journal of Exercise Sciences*.
- 2019 Grant Reviewer. University of Louisville Transdisciplinary Consortium for Social Justice Research.
- 2018 Grant panel reviewer for the 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**

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American Spinal Injury Association

American Physiological Society

Kentucky Spinal Cord Injury Research Center

Society for Neurosciences, Louisville Chapter

American Translators Association