

Daniela Terson de Paleville, PhD

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EDUCATION

- 2006-2011** **Ph.D.** Physiology and Biophysics research director: Susan Harkema, PhD at the University of Louisville
- 2006-2008** **M.S.** in Physiology and Biophysics research director: Susan Harkema, PhD at the University of Louisville
- 2003-2005** **M.S.** in Exercise Physiology research director: f Ann Marie Swank, PhD at the University of Louisville
- 2002-2003** **M.Ed.** (18 credit hours completed) at The Citadel under the supervision of John Carter, PhD
- 1996-1999** **B.S.** in Exercise Sciences and Physical Education obtained at the Instituto de Educacion Fisica, Jorge Coll, Mendoza, Argentina.

POSITIONS AND HONORS

- 2006-Present** **Graduate Research Assistant**, Neuroscience Collaborative Center, University of Louisville and Frazier Rehab Hospital, Louisville, KY
- 2006-2008** **Integrated Program in Biomedical Sciences (IPIBS) Graduate Student Fellowship**, Department of Physiology and Biophysics, University of Louisville, KY.

ACADEMIC APPOINTMENTS

- 2011-present** **Instructor**, Department of Health and Sport Sciences, University of Louisville, KY
- 2006-Present** **Research Assistant**, Department of Physiology and Biophysics, University of Louisville, Louisville, KY, USA

- 2005-2006** **Health Promotion, Education and Exercise physiology Lecturer**, Department of Health and Sport Sciences, University of Louisville, KY
- 2003-2005** **Graduate Teaching Assistant**, Department of Exercise Physiology, University of Louisville, KY
- 2005-2006** **Water safety and adapted swimming instructor and coordinator of the program “Aqua-Angels”** (adapted swimming and aqua-therapy program for children with cerebral palsy and other disabilities) Baptist East Milestone Wellness Center Louisville, KY.
- Research Assistant** Harambee Nursing Center “A Community-As-Partner Model to Integrated Mental Health in Vulnerable Populations” University of Louisville (School of Nursing) Louisville, KY
- Clinical Rehabilitation Intern** in cardiac rehabilitation **Cardiovascular Associates** (Norton Audubon Hospital) Louisville, KY.
- Health Education Instructor** American Red Cross Louisville, KY
- 2002-2003** **Graduate Teaching Assistant**, Department of Health, Exercise and Sport Sciences, The Citadel, South Carolina.
- 1996-2001** **Mendoza Government “Different Capabilities” program** instructor and rehabilitation therapist. Adapted track and field, and swimming coach. Municipality of Lujan de Cuyo. Mendoza. Argentina.

PROFESSIONAL MEMBERSHIPS

- Member of the Society for Neuroscience (SFN)
- Member of American College of Sport Medicine (ACSM)
- Member of the Louisville Chapter of the Society for Neuroscience
- Member of the American Physiological Society (APS)

PROFESSIONAL HONORS AND AWARDS

2010 **University of Louisville School of Medicine** travel award to attend to the National Neurotrauma meeting, Las Vegas, June 2010

2009 **University of Louisville School of Medicine** travel award to attend to the **Society for Neuroscience** conference, Chicago IL, October 2009

University of Louisville Department of Physiology and Biophysics travel award to attend to the **Society for Neuroscience** conference, Chicago IL, October 2009

American Physiological Society (APS) travel award to attend to the Professional Skills Training on "Writing and Reviewing for Scientific Journals" Orlando, FL, January 2009

Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring/ American Association for the Advancement of Science (PAESMEM/AAAS) Building Science, Engineering, and Technology Leadership Workshop for Women in Industry, Academia and Government. Washington DC, October 1-2 2009.

2008 **Excellence in Neuroscience Research**, Graduate Students Poster Competition Award "Neuroscience Day" Society for Neuroscience Louisville Chapter. April 17th 2008. Title: "*Respiratory Motor Control Assessment in Individuals with Spinal Cord Injury*"

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*"

PRESENTATIONS

2011 University of Louisville School of Medicine; Physiology & Biophysics seminar series "*Respiratory Muscle Activation Patterns in individuals with Chronic Spinal Cord Injury: effects of different rehabilitative therapies*". February 3rd 2011.

2010 Kentucky Spinal Cord Injury Center Seminar Series, "*Respiratory Muscle Activation Patterns in individuals with chronic Spinal Cord Injury*". June 24th 2010.

University of Louisville School of Medicine; Physiology & Biophysics seminar series "*Respiratory Muscle Activation Patterns in individuals with Chronic Spinal Cord Injury: effects of different rehabilitative therapies*". February 23rd 2010.

2009 Kentucky Spinal Cord Injury Center Seminar Series, "*Altered Respiratory Muscle Activation Patterns in individuals with Spinal Cord Injury*". May 22th 2009.

2008 Kentucky Spinal Cord Injury Center Seminar Series, "*Effects of Locomotor Training in individuals with Spinal Cord Injury*". September 5th 2008.

MEETING ABSTRACTS

2010 National Neurotrauma Symposium Respiratory Muscles Activation during Voluntary Respiratory Tasks in Individuals with Chronic Spinal Cord Injury" June 14th- 17th 2010. Las Vegas, NV

2009 Research! Louisville October 2009 "*Respiratory Muscles Activation Patterns in Individuals with Spinal Cord Injury*" **Daniela Terson De Paleville**, Alexander V. Ovechkin, William B. McKay, Susan J. Harkema.

Society for Neuroscience, Chicago IL, October 2009 "*Respiratory Muscles Activation Patterns in Individuals with Spinal Cord Injury*" **Daniela Terson De Paleville**, Alexander V. Ovechkin, William B. McKay, Susan J. Harkema.

University of Louisville Graduate Research Symposium, March 6th 2009. "*Locomotor Training Improves Pulmonary Function in Individuals with Spinal Cord Injury*". March 18th 2009

2008 International Respiratory Care Symposium December 2008, Anaheim, CA. "*Evaluation of Expiratory Muscle Activation Patterns in Individuals with Spinal Cord Injury*" ID: 498420, Alexander V. Ovechkin, Susan J. Harkema, **Daniela G. Terson De Paleville**, William B. McKay.

Society for Neuroscience, Washington DC, November 2008. "*Evaluation of Motor Activity for Respiration in Individuals with Spinal Cord Injury*" Alexander V. Ovechkin, Susan J. Harkema, **Daniela G. Terson De Paleville**, William B. McKay

Research! Louisville October 2008 *“Neurophysiological Characterization of Motor Activity in Individuals with Acute Spinal Cord Injury; Alexander V. Ovechkin, William B. McKay, Susan J. Harkema, Daniela Terson De Paleville, Todd W. Vitaz*

Research! Louisville October 2008 *“Effects of Locomotor Training on Pulmonary Function in Individuals with Spinal Cord Injury” Daniela Terson De Paleville, Alexander V. Ovechkin, William B. McKay, Susan J. Harkema.*

PEER-REVIEWED PUBLICATIONS

1. **Daniela Terson de Paleville**, Ph.D.; William B McKay, B.S.; Rodney J Folz, M.D., Ph.D.; Alexander V Ovechkin, M.D., Ph.D. Respiratory motor control disrupted by spinal cord injury: mechanisms, evaluation, and restoration. Translational Stroke Research. Submitted, *in review*.
2. William McKay, B.S.; Alexander Ovechkin, M.D., Ph.D.; Todd Vitaz, M.D.; **Daniela Terson de Paleville, MS**; Susan Harkema, PhD. Neurophysiological Characterization of Voluntary Motor Control Recovery in Acute Spinal Cord Injury. *Spinal Cord*, 2011, 49 (421-429).
3. William McKay, B.S.; Alexander Ovechkin, M.D., Ph.D.; Todd Vitaz, M.D.; **Daniela Terson de Paleville, MS**; Susan Harkema, PhD. Long-lasting involuntary motor activity after spinal cord injury. *Spinal Cord*, (2011) 49, (87-93)
4. Alexander Ovechkin, M.D. PhD, Todd Vitaz, MD.; **Daniela Terson de Paleville, M.S.**; Sevda Aslan, Ph.D.; William McKay, B.S. Evaluation of respiratory muscle activation in individuals with chronic spinal cord injury. In press. *Respiratory Physiology & Neurobiology*, 173, 2010 (171-178)
5. **Daniela Terson de Paleville, MS**; Ann Marie Swank, PhD, Daniel Funk, PhD; Sherly Bradley, MS; Robert Topp, PhD, RN. Adding weights to low intensity exercise increases isometric muscular strength and functional ability in healthy older adults. *Journal International Fitness*. Vol.5, Issue 1, 2009.
6. **Daniela Terson de Paleville, MS**, Robert Topp, PhD; Ann Marie Swank, PhD. Effects of aerobic training prior to and during chemotherapy in a breast cancer patient: a case study. *Journal of Strength and Conditioning Research*, 2007 May; 21(2):635-7.

TEACHING EXPERIENCE

1. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2011: Advanced Exercise Physiology; Function in Movement Sciences; Structure in Movement Sciences (Anatomy and Physiology)
2. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Spring 2011: Advanced Exercise Physiology; Physiology of Exercise and Neuromuscular Mechanics of Human Movement
3. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2005 and Spring 2006: First Aid responding to emergencies.
4. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2005 and Spring 2006: Healthy Lifestyles.
5. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2004 and Spring 2005: First Aid responding to emergencies.
6. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2003 and Spring 2004: Beginning Swimming.
7. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2003 and Spring 2004: Intermediate Swimming.
8. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2003 and Spring 2004: Fitness Walking.
9. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2003 and Spring 2004: Mini-marathon training.
10. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2003 and Spring 2004: Water Fitness.
11. Department of Health and Sport Sciences, University of Louisville, Louisville, KY. Fall 2003 and Spring 2004: Step aerobics.
12. Department of Health, Exercise and Sport Sciences, The Citadel, Charleston, SC. Fall 2002 and Spring 2002: First Aid and CPR.
13. Department of Health, Exercise and Sport Sciences, The Citadel, Charleston, SC. Fall 2002 and Spring 2002: Beginning Swimming.
14. Department of Health, Exercise and Sport Sciences, The Citadel, Charleston, SC. Fall 2002 and Spring 2002: Intermediate Swimming.

15. Department of Health, Exercise and Sport Sciences, The Citadel, Charleston, SC. Fall 2002 and Spring 2002: Dance Aerobics.

FUNDING HISTORY

2006-2008 University of Louisville IPIBS Fellowship (Integrated Programs in Biomedical Sciences)