Laura A. Rice (McClure), PhD, MPT, ATP
Department of Kinesiology and Community Health
University of Illinois at Urbana-Champaign
116 Huff Hall, (M/C 586)
1206 S. Fourth St.
Champaign, IL 61820
e-mail: ricela@illinois.edu

Education

PhD Rehabilitation Science and Technology 2010
University of Pittsburgh, Rehabilitation Science and Technology
Human Engineering Research Laboratories

M.S. Physical Therapy 2004
Duquesne University, Department of Physical Therapy

B.S. Health Sciences 2003
Duquesne University, Department of Physical Therapy

Professional Experience

Work

Assistant Professor: Department of Kinesiology and Community Health, University of Illinois, Champaign-Urbana, IL
2013- Present

Visiting Assistant Professor: Department of Kinesiology and Community Health & Disability Resources and Educational Services, University of Illinois, Champaign-Urbana, IL.
2011- 2013

Staff Physical Therapist: Carle Foundation Hospital, Urbana, IL
2011 – 2014

Assistant Professor: Department of Rehabilitation Science and Technology
University of Pittsburgh, Pittsburgh PA.
2010- 2011.

Physical Therapist, Seating and Mobility Specialist: The Center for Assistive Technology
University of Pittsburgh Medical Center, Pittsburgh, PA.
2008 – 2011.

Staff Physical Therapist: University of Pittsburgh Medical Center: Shadyside Hospital, Pittsburgh, PA.
2004-2011

Graduate

Research Associate/Doctoral Candidate
University of Pittsburgh (Human Engineering Research Laboratories), Pittsburgh, PA. *2009- 2010*
(Research mentor: Dr. Michael Boninger)

NSF Integrative Graduate Education and Research Training (IGERT) Fellow
Human Engineering Research Laboratories, Pittsburgh, PA
Clinical research on preservation of upper limb function in acute spinal cord injury
2006- 2009
(Research mentor: Dr. Michael Boninger)

Academic Honors

NSF IGERT Pre-Doctoral Fellow	Human Engineering Research Laboratories University of Pittsburgh	2006-2009

Grants

Rice, L.A. Sosnoff, J.J. *Examination of the Influence of Active Reach on Functional Mobility, Phyiscal Well-being and User Satisfaction Among Power Wheelchair Users.* Permobil, AB. December 1, 2017 – August 31, 2018. $58,994. Role: Principal Investigator.

Rice, L.A., Sosnoff, J.J., Peterson, E.W., Backus, D., *Validation of a Fall Prevention Program Among Non-Ambulatory Wheeled Mobility Device Users with Multiple Sclerosis.* National Multiple Sclerosis Society. October 2017 – September 30, 2020. $570,217.10. Role: Principal Investigator

Rice, L.A., Sosnoff, J.J., *Assessment of Fall Characteristics Among Manual Wheelchair Users.* Permobil, Inc. December 1, 2016 – August 31, 2017. $38,484.00. Role: Principal Investigator.

Rice, L.A., Sosnoff, J.J., *Assessment of Fall Characteristics Among Power Wheelchair Users.* Permobil, Inc. September 1, 2016- August 31, 2017. $38,168.00. Role: Principal Investigator.

Rice, I.M., **Rice, L.A.,** Sosnoff, J.J., Ratnam, R. *Home Based Telerehabilitation Training System for Veterans with Spinal Cord Injury.* Chez Family Foundation Center for Wounded Veterans. January 19, 2016 – December 31, 2016 (No cost extension until December 31, 2017). $30,000. Role: Co-Investigator

Rice, L.A., Rice, I.M. *Enhancement of Community Participation Among Full Time Wheeled Mobility Device Users.* University of Illinois Campus Research Board. May 1, 2015 – November 30, 2016 (No Cost Extension Until November 30, 2017). $29,025. Role: Principal Investigator

Rice, L.A., Sosnoff, J.J., Peterson, EW. *Management of Fall Risk in Full Time Wheelchair Users Living with Spinal Cord Injury* Craig H. Neilsen Foundation. April 1, 2015 – March 31, 2016 (No Cost Extension Until March 31, 2017). $99,840. Role: Principal Investigator

Rice, L.A. *Disability Resources and Education Services Research Registry.* Center for Health, Aging and Disability at University of Illinois. October 30th, 2014. $1,287.50. Role: Principal Investigator

Rice, L.A., Sosnoff, J.J. *Management of Fall Risk in Non-Community Ambulators Affected by Multiple Sclerosis* National Multiple Sclerosis Society. April 1, 2014-March 30, 2015(No cost extension until September 30, 2015). $43, 986.80. Role: Principal Investigator

Rice, IM, Hedrick, B., Sosnoff, J.J., **Rice, L.A**., *Impact of wheelchair propulsion and transfer training on reducing shoulder pain and increasing community participation in pediatric manual wheelchair users with physical disabilities.* University of Illinois, Center for Health Aging and Disability. September 1, 2013 – February 28, 2015. $19,730. Role: Co-Investigator

Sosnoff, J.J., **Rice, L.A**. Chodzko-Zajko, W., von Koch, L., Holmqvist, L.W.: *A Trans-Atlantic Examination of Falls in Non-ambulatory Individuals with Multiple Sclerosis.* Inspire: Illinois-Sweden Program For Educational and Research Exchange. December 9, 2013 – March 31, 2014. $7,500 Role: Co-Investigator.

Boninger, ML *University of Pittsburgh Model Center on Spinal Cord Injury* National Institute on Disability and Rehabilitation Research, October 1, 2011-October 31, 2014. $2,285,000 Role: Consultant

Rice, IM, Motl, RW, **Rice, LA**; *Promoting Physical Activity Through a Manual Wheelchair Propulsion Activity Intervention in Persons with Multiple Sclerosis* National Multiple Sclerosis Society. October 1, 2012 – September 30, 2013. $109, 680. Role: Co-Investigator

Publications

Publications in Review

Worobey, L.A.; Rigot, S.K.; Huzinec,; Sung, J.H.; **Rice, L.A.** (In Review) Reliability and Validity of the Revised Transfer Assessment Instrument (version 4.0). In Review: *Archives of Physical Medicine and Rehabilitation.*

Publications In Press:

Rice, LA., Sung, JH, Peters, J., Bartlo, W., Sosnoff, J. (In Press) Assessment of Fall Circumstances, Injuries and Recovery Techniques Among Power Wheelchair Users. In Press: *Clinical Rehabilitation*

Rice, L.A. Isaacs, Z., Ousley, C., Sosnoff, J.J. (In Press) Investigation of the Feasibility of an Intervention to Manage Fall Risk Among Wheeled Mobility Device users with Multiple Sclerosis. *International Journal of Multiple Sclerosis Care.*

Dysterheft, J., Chaparro, G., **Rice, L.A.,** Rice, I.M. (In Press) Investigating the Outcomes and Perceptions of an Inclusive Aquatic Exercise Class for University Students with Physical Disabilities. *JPED.*

Publications:

Sung, J., Trace, Y., Peterson, E., Sosnoff, J., **Rice, LA.** (2017) Falls among fulltime wheeled mobility device users with spinal cord injury and multiple sclerosis: A comparison of characteristics of fallers and circumstances of falls. *DisabilRehab* Oct 25:1-7.

Rice, L.A. Kalron, A., Berkowitz, S., Backus, D., Sosnoff, J.J. (2017) Fall Prevalence in Wheeled Mobility Device Users Living with Multiple Sclerosis*. Medicine* Sept; 96:35(e7860)

Rice, LA., Rice, IM. (2017) Evidenced Based Education Interventions to Preserve Upper Limb Function Among Full Time Manual Wheelchair Users. *Medical Research Archives* March. 5(3).

Dysterheft, J., Lindahl-Lews, P., Hubbard, E.A., Jones, O., **Rice, L.A.,** Rice, I.M. (2016) A mixed methods exploration of how university students with physical disabilities perceive physical activity and the influence of perceptions on physical activity levels. *Cogent Medicine.* 3(1):1196809.

Sung, J., Ousley, C., Shen, S., Isaacs, Z., Sosnoff, J.J., **Rice, L.A.** (2016) Reliability and validity of the function in sitting test in non-ambulatory individuals with multiple sclerosis. *Int J Rehabil Res*. Dec. 39(4):308-312.

Tsai, C.Y., Boninger, M.L., Hastings, J., Cooper, R.A., **Rice, L.A**., Koontz, Al. (2016) The Immediate Biomechanical Implications of Transfer Component Skills Training on Independent Wheelchair Transfers*. Arch Phys Med Rehabil.* 97(10): 1785-92.

Rice, L.A., Dysterheft, J., Sanders, E. Rice, I.M., (2017) Short Term Influence of Transfer Training Among Full Time Pediatric Wheelchair Users: A Randomized Trial. *J Spinal Cord Med:*40(4).

Dysterheft, J., Rice, I.M., **Rice, L.A.** (2015) Influence of Handrim Wheelchair Propulsion Training in Adolescent Wheelchair Users*. Front Bioeng Biotechnol* May 3:68.

Rice, LA, Ousley, C., Sosnoff, J.J. (2015) A Systematic Review of Risk Factors Associated with Accidental Falls, Outcome Measures and Interventions to Manage Fall Risk in Non-Ambulatory Adults*. Disabil Rehabil.* 37(19): 1697-705.

Rice, IM, **Rice, LA,** Motl R. (2015) Promoting Physical Activity Through a Manual Wheelchair Propulsion Activity Intervention in Persons with Multiple Sclerosis. *Arch Phys Med Rehabil.* 96(10): 1850-8.

Learmonth YC, Rice IM, Ostler, TA, **Rice LA,** Motl R. (2015) Perspectives on physical activity among persons with multiple sclerosis who are wheelchair users: Informing the design of future interventions*. Int J MS Care.* May-June: 17(3): 109-19.

Rice, IM., Wong, A. W., Salentine, B. A., & **Rice, L. A.** (2015). Differences in participation based on self-esteem in power and manual wheelchair users on a university campus: a pilot study. *Disabil Rehabil Assist Technol*. 10(2), 102-107.

Rice, L. A., Smith, I., Kelleher, A. R., Greenwald, K., & Boninger, M. L. (2014). Impact of a wheelchair education protocol based on practice guidelines for preservation of upper-limb function: a randomized trial. *Arch Phys Med Rehabil, 95*(1), 10-19 e11.

Yang, T.D., Hutchinson, S., **Rice, L.A.**, Watkin, K., and Jan, Y.K. (2013). Development of a scalable monitoring system for wheelchair tilt-in-space usage. *Int J Phys Med Rehabil,* 1(4).

Tsai, C. Y., **Rice, L. A**., Hoelmer, C., Boninger, M. L., & Koontz, A. M. (2013). Basic Psychometric Properties of the Transfer Assessment Instrument (Version 3.0). *Arch Phys Med Rehabil*. 94(12).

Jan YK, Liao F, **Rice LA**, and Woods JA (2013*).* Using reactive hyperemia to assess the efficacy of local cooling on reducing skin ischemia under surface pressure in people with spinal cord injury: a preliminary report. *Arch Phys Med Rehabil.* 94(10):1982-9.

Rice, L.A., I. Smith, A. Kelleher, K. Greenwald, C. Hoelmer, M.L. Boninger. (2013) Impact of the Clinical Practice Guideline for Preservation of Upper Limb Function on Transfer Skills of Persons with Acute Spinal Cord Injury. *Arch Phys Med Rehabil.* 94(7):1230-46.

Jan, Y. K., Liao, F., Jones, M. A., **Rice, L. A**., & Tisdell, T. (2013). Effect of durations of wheelchair tilt-in-space and recline on skin perfusion over the ischial tuberosity in people with spinal cord injury. *Arch Phys Med Rehabil,* 94(4), 667-672.

McClure, L. A., Boninger, M. L., Oyster, M. L., Roach, M. J., Nagy, J., & Nemunaitis, G. (2011). Emergency evacuation readiness of full-time wheelchair users with spinal cord injury. *Arch Phys Med Rehabil, 92*(3), 491-498.

McClure, L. A., Boninger, M. L., Ozawa, H., & Koontz, A. (2011). Reliability and validity analysis of the transfer assessment instrument. *Arch Phys Med Rehabil, 92*(3), 499-508.

McClure, L. A., Boninger, M. L., Oyster, M. L., Williams, S., Houlihan, B., Lieberman, J. A., & Cooper, R. A. (2009). Wheelchair repairs, breakdown, and adverse consequences for people with traumatic spinal cord injury. *Arch Phys Med Rehabil, 90*(12), 2034-2038.

Book Chapters

Cooper, R.A., Cooper, R., Boninger, M.L., Bobish, T., **McClure, L.A.,** Kelleher, A., Pelleshi, T.L. (2014). Therapeutic Technology (Part II). In: M. Selzer, S. Clarke, L. Cohen, G. Kwakkel, R. Miller (Eds). *Textbook of Neural Repair and Rehabilitation, 2nd Edition*. New York: Cambridge University Press.

Cooper, R.A., McCue, M., Schein, R.M., Cooper, R. Sporner, M.L., Dodson, M.B., Reinsfelder, A.M.,Yeager, A.F., Jinks, A., LoPresti, E., **McClure**, **L.A.,** Wang, H., Collinger, J.L., Hiremath, S., Ding, D., Lewis, A. (2012). Assistive Technology for People with Traumatic Brain Injuries (Chapter 71). In: N.D. Zasler, D.I. Katz, R. Z. Zafonte, *(Eds). Brain Injury Medicine*, *2nd Edition* (1178-1201). New York: Demos Medical Publishing.

Boninger M, **McClure LA**, Cooper R, Schmeler M. (2010) Wheelchairs. In: Frontera W, Delisa J, Gans B, Walsh N, Robinson L, *(Eds)*. *Physical Medicine and Rehabilitation Principles.* Vol 5. Philadelphia: Lippincott, Williams and Wilkins.

Invited Seminar Presentations

Rice, L.A. (2017, November 10) *Assistive Devices and Wheelchairs.* Presented at the Falls: Prevention, Assessment and Intervention: Research to Practice Conference at Carle Foundation Hospital. (invitation)

Rice I, Blauwet C, **Rice LA.** (2014, June 1) Presentation and Laboratory on adapted wheelchair Sports at the Rehabilitation Institute of Chicago (RIC) 37th Annual Spinal Cord Interdisciplinary Course, Chicago, IL (invitation)

McClure, LA. (2011, April 30) *Upper Limb Preservation*, Presented at the Jim Thorpe Neurological Conference, Oklahoma City, OK. (invitation)

Conference Presentation and Proceedings:

Peterson, E.W.; Sosnoff, J.J.; Sung, J.H.; **Rice, L.A.** (2018, May 31-June 2) Understanding Falls among Full-time Wheelchair Users with Multiple Sclerosis: A Mixed Methods Study. Accepted for presentation at the 23rd Annual Rehabilitation in Multiple Sclerosis Conference, Amsterdam.

Rice, L.A., Sung, JH, Peters, J, Sosnoff, J.J. (2018, March 6-9) *Best Practices in Management of Fall Risk Among Power Wheelchair Users.* Accepted for presentation at the 34th International Seating Symposium, Vancouver, BC.

Rice, L.A., Sung, JH., Trace, Y., Peterson, E.W., Sosnoff, J.J. (2017, September 3-6) *Fall Characteristics of Full Time Wheelchair Users Living with Spinal Cord Injury.* Presented at the Academy of Spinal Cord Injury Professional 2017 Educational Conference and Expo, Denver, Co.

Rice, LA., Isaacs, Z.J., Ousley, CM., Sosnoff, JJ. (2017, March 1 – 3) *Transfer Training for Wheelchair Users with Multiple Sclerosis.* Presented at the International Seating Symposium, Nashville, TN.

Dysterheft, J., Chaparro, G., Jones, O., **Rice, LA**., Rice, I.M. (2016, September 21-23) *Investigating the Outcomes and Perceptions of an Aquatic Exercise Class for University Students With Physical Disabilities.* Presented at the North American Federation of Adapted Physical Activity Conference. Edmonton, Alberta, Canada.

Rice, LA., Kalron, A., Berkowitz, S.H., Backus, D., Sosnoff, J.J. (2016, October 30-November 4) *Fall Prevalence in Wheeled Mobility Device Users Living With Multiple Sclerosis.* Accepted at the American Congress of Rehabilitation Medicine 93rd Annual Conference. Chicago, IL.

Worobey, L.A., Hogaboom, N.S., **Rice, L.A.,** Koontz, A.M., Boninger, M.L. (2016, October 30-November 4) *Independent Transfers: Why Technique is Important, How to Teach It, and Does Training Change It?* Presented at the American Congress of Rehabilitation Medicine 93rd Annual Conference., Chicago, IL.

Rice, L.A., Sung, J., Keane, K., Sosnoff, J.J. (2016, September 4-7) *Management of Fall Risk Among Full Time Wheelchair Users Living with Spinal Cord Injury.* Presented at the Academy of Spinal Cord Injury Professionals 2016 Educational Conference and Expo, Nashville, TN.

Sung, JH, Keane, K., Sosnoff, J.J., **Rice, LA.** (2016, September 4-7) *The effectiveness of a home-based exercise program on seated postural control in individuals with spinal cord injury.* Accepted at the Academy of Spinal Cord Injury Professionals 2016 Educational Conference and Expo, Nashville, TN.

Rice, L.A., Dysterheft, J., Rice, I.M. (2016, March 1-4) *Impact of Transfer Training Among Full Time Pediatric Wheelchair Users.* Presented at the International Seating Symposium, Vancouver, Canada.

Rogers, E., Berner, T., Mitchell, S., **Rice, L.A.** (2015, September 7-9) *Advanced Seating and Positioning For the Rehabilitation Professional,* Accepted for Presentation at the Annual Meeting of the Academy of Spinal Cord Injury Professionals., New Orleans, LA. (invitation)

Rice, LA, Isaacs, ZJK., Ousley, CM., Sosnoff, JJ (2015, October 25-30) *Impact of Transfer Training on Non-Ambulatory Individuals Living with Multiple Sclerosis.* Accepted at the American Congress of Rehabilitation Medicine 92nd Annual Conference, Dallas, Tx.

Yang, T.D., **Rice, L.A.,** Jan, Y. (2015, June 10-14) *Myoelectric Modeling of Joystick Control for Self-Adaptive Smart Wheelchairs,* Presented at the Rehabilitation Engineering and Assistive Technology Society of North America Annual Conference, Denver, CO. *Student Award Winner.*

Dysterheft, J., Rice, I.M., **Rice, L.A.** (2015, June 10-14) *Influence of Handrim Wheelchair Propulsion Training in Adolescent Wheelchair Users,* Presented at the Rehabilitation Engineering and Assistive Technology Society of North America Annual Conference, Denver, CO. *Student Award Winner.*

Rice, L.A., Ousley, C., Sosnoff, J.J. (2015, February 25-28) *Assessment and Management of Fall Risk in Wheelchair Users: A Systematic Review,* Presented at the International Seating Symposium, Nashville, TN.

Rice, I.M., **Rice, L.A.** (2015, February 25-28) *Physical Activity Intervention for Persons with Advanced Multiple Sclerosis,* Presented at the International Seating Symposium, Nashville, TN.

Isaacs, ZJK., Ousley, CM., **Rice, LA**, Sosnoff, JJ (2014, October 10-11) *Seated Postural Control in Non-Ambulatory Persons with Multiple Sclerosis.* Accepted at the 4th International Symposium of Gait and Balance in Multiple Sclerosis. Cleveland, Ohio.

Ousley CM, Isaac ZJK, Wajda DA, **Rice LA,** Sosnoff JJ. (2014, October 10-11) *Validation of seated postural control measures in persons with multiple sclerosis*. Accepted at the 4th International Symposium of Gait and Balance in Multiple Sclerosis. Cleveland, Ohio

Chruzander, C., Johansson, S., Peterson, E.W., **Rice, L.A**., Sosnoff, J.J., von Koch, L., Widen Holmqvist, L., Ytterberg, C. (2014, September 10-13) *Falls Among Non-Ambulatory Individuals with Multiple Sclerosis: An International Expert Panel Consensus Statement.* Accepted at the 2014 Joint ACTRIMS-ECTRIMS Meeting.

Rogers E, **Rice LA**, Wehrli L, Piltier J, Baldessari J, Severe E, Jennings J. *Therapy in the Era of Technology.* (2014, August 31-September 3) Presentation accepted for the Annual Meeting of the Academy of Spinal Cord Injury Professionals., St. Louis, MO

Rice LA, Smith I, Kelleher A, Greenwald K, Boninger, ML. (2014 August 31-September 3) *Improving Transfer Quality Among Persons Living with Tetraplegia.* Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals; St. Louis, MO.

Learmonth, Y.C., Rice, I.M., Ostler, T., **Rice, L.A**., Motl, R.M. (2014, May 28-31) *Perspectives on physical activity among persons with multiple sclerosis who are wheelchair users: Informing the design of future interventions.* Accepted at CMSC ACTRIMS Cooperative Annual Meeting.

Rice, LA, Goldberg, M**.** (2014, March 4-7) *How to Optimize Your Continuing Education: A Necessary Benefit to Improve Your Practice*, Presented at the International Seating Symposium, Vancouver, Canada.

Betz, K., Rice, I.M., Svirvev, J., Cahow, C., Rogers, E., Schmeler, M., Bieganek, J., **Rice, L.A.** (2013, September 2-4) *Paralyzed to Paralympics and Everything Between: Adaptive Sports and Recreation*.

Presentation at the Annual Meeting of the Academy of Spinal Cord Injury Professionals; Las Vegas, NV.

Rice, LA, M.L. Boninger. (2013 September 2-4)*Comparison of Level of Injury on Community Participation and Satisfaction with Life in the First Year After Spinal Cord Injury,* Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals; Las Vegas, NV.

Hogaboom, N.S., B.F. Fullerton., **L.A. Rice**, M.L. Oyster, M.L. Boninger. (2013 June 20-24) *Ultrasound changes, pain, and pathology in shoulder tendons after repeated wheelchair transfers,* Presented at the RESNA International Conference on Technology and Disability, Bellevue, WA.

Jan YK, Crane BA, **Rice LA**, and Ennis WJ. (2013 June 20-24) *Muscle and skin perfusion over the ischial tuberosities in response to wheelchair tilt and recline in people with spinal cord injury* Presented at the RESNA International Conference on Technology and Disability, Bellevue, WA.

Jan YK, Liao F, **Rice LA**, and Woods JA. (2013, May 6-8) *Using reactive hyperemia to assess the efficacy of local cooling on reducing skin ischemia under surface pressure in people with spinal cord injury*" Presented at the American Spinal Injury Association Annual Conference, Chicago, IL.

Beaunchamp, D.W, N.S. Hogaboom, B. Fullerton, **L.A. Rice**, M.L. Boninger. (2013 March 6-10) *Ultrasound Changes in Shoulder Tendons in Response to Repeated Transfers.* Presented at the Association of Academic Physiatrists Annual Conference. New Orleans, LA.

Rice, L.A. B. Hedrick. (2013, March 5-9) *Use of Environmental Control Units by Power Wheelchair Users in Higher Education* Presented at the International Seating Symposium, Nashville, TN.

Rice, LA, Boninger, ML, Smith, I**.** (2012, March 7-9) *Randomized Clinical Trial to Evaluate the Implementation of Clinical Practice Guidelines on Transfer Skills and Quality* Presented at the International Seating Symposium, Vancouver, Canada.

McClure, LA, Koontz AM (2011, March 3-5) *The Transfer Assessment Instrument for Measuring Transfer Performance* Presented at the International Seating Symposium Nashville, TN.

McClure, LA (2010 September 29-October 2) *Repetitive Motion Injuries and the Spinal Cord Injury Upper Extremity Protection Guidelines*, Presented at the Association of Rehabilitation Nurses 36th Annual Education Conference; Orlando, Fl.

Koontz, AM, **McClure, LA** (2010, September 22-24) *Measuring Transfer Performance: Adherence with Evidence-Based Practices Concerning Preservation of Upper Limb Function in Patients with Spinal Cord Injury* Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals; Las Vegas, NV.

Minkel, J, Hastings, J, **McClure, LA,** Bjerkefors, A**.** (2010 June 7-9) *Clinical Practice Guidelines: Transfer Training for Transferring in the Home and Beyond*, Presented at the Posture and Mobility Group Annual Meeting, Glasgow, Scotland.

McClure, LA, M.L. Boninger. (2010, March 10-13) *Implementation of Clinical Practice Guidelines Strategies* Presented at the International Seating Symposium; Vancouver, Canada.

McClure, LA (2009, September 15-17) *Implementation of Clinical Practice Guidelines Strategies*, Presented at the European Seating Symposium; Dublin, Ireland.

C. M. Heiner, **L.A. McClure**, Z. Talmadge, M.L. Boninger. (2009, June 23-27) *A Prototype Web Site for Clinical Education: Implementation of Guidelines for Preventing Upper Limb Pain in People with Spinal Cord Injury* Presented at the Rehabilitation Engineering and Assistive Technology Society of North America Conference, New Orleans, LA.

McClure, L.A., M.L. Boninger, M.L Oyster, J.A. Lieberman. (2009, June 23-27) *Prevalence and Impact of Wheelchair Breakdowns on Fulltime Wheelchair Users,* Presented at the Rehabilitation Engineering and Assistive Technology Society of North America Conference, New Orleans, LA.

McClure, LA, M.L. Boninger. (2009, March 11-14) *Implementation of Clinical Practice Guidelines Strategies* Presented at the International Seating Symposium; Orlando, FL.

Other Publication

Boninger, M.L, J. Carswell, **L.A. McClure**. (2008) Preservation of Upper Limb Function: What you should know. Consortium for Spinal Cord Medicine: Washington DC.

Teaching Experience

Instructor: KIN/CHLH 110: Introduction to the Health Sciences (Department of Kinesiology and Community Health, University of Illinois)
Fall 2016

Instructor: CHLH/REHB/KIN 407/ANTH 404: Disability, Culture and Society (Department of Kinesiology and Community Health, University of Illinois)
Spring 2016

Instructor: CHLH 494: Aging and Disability (Department of Kinesiology and Community Health, University of Illinois)
Spring 2015

Supervisor: KIN 385: Experience in Kinesiology Research (Department of Kinesiology and Community Health, University of Illinois)
Spring 2014, Fall 2014, Spring 2015, Spring 2016, Spring 2017, Summer 2017, Fall 2017, Spring 2018

Instructor: CHLH/REHB 330: Disability in American Society (Department of Kinesiology and Community Health, University of Illinois)
Fall 2013, Fall 2014, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018

Instructor: KIN/CHLH 199: Introduction to the Health Sciences (Department of Kinesiology and Community Health, University of Illinois, now KIN/CHLH 110)
Fall 2012, Fall 2013, Fall 2014

Instructor: HRS 2705: Rehabilitation Engineering and Assistive Technology Practices (School of Health and Rehabilitation Science, University of Pittsburgh),
Spring 2011

Teaching Assistant – HRS 3701 Clinical Application of Seating (School of Health and Rehabilitation Science, University of Pittsburgh)
Spring 2009

Teaching Assistant – Introduction to Physical Therapy (Department of Physical Therapy, Duquesne University)
Spring 2003

Students Advised

Master's Students Directed
- Isaacs, Zadok, MS, 2015 "*Effect of an Exercise Based Intervention on Seated Postural Control in Non-Ambulatory Persons with Multiple Sclerosis*," now at Sanford Health (chair)
- Peters, Joseph, MS, 2017*, "Wheelchair Racing Pressure Analysis,"* now a PhD student at UIUC(chair)
- Yarnot, Rebecca, MS, current student, "TBA" (chair)

Master's Committees
- Hernanez, Maria Luisa Toro, MS, 2011, "*The Impact of Transfer Setup on the Performance of Independent Transfers,"* now at Universidad CES (committee member)
- Sung, Jong Hun, MS, 2013 "*Effect of a 2 Minute Bout of Body Weight Supported Treadmill Training on the Ankle Spasticity in Persons with Advanced Multiple Sclerosis*," now a PhD student in the Disability, Participation and Quality of Life Research Laboratory (P.I. L. Rice) at the University of Illinois at Urbana-Champaign (committee member)
- Ousley, Cherita, MS, 2015 *"Validation of Seated Postural Control Measures in Non-Ambulatory Persons with Multiple Sclerosis,"* now a Certified Personal Trainer (committee member)

Dissertations Directed
- Sung, Jong Hun, PhD, in progress "*Transfer Training Among Wheelchair Users,"* current student (Chair)
- Weisman, Courtney "*An Exploration of Experiences in Disability Sport and Mainstream Sport Environments for Adolescents with Physical Disabilities*" (Chair)

Doctoral Committees
- Tsai, Chung-Ying, PhD, 2015, "*Biomchanical Validation of the Transfer Assessment Instrument (TAI) in Evaluating Different Independent Transfers in Wheelchair Users,*" now an Assistant Professor at the Icahn School of Medicine, Mt. Sinai (committee member)

Service

Public Engagement
- Provision of wheeled mobility and seating services to UIUC students and Champaign-Urbana community members.
    - *Aid UIUC students and Champaign-Urbana community members to obtain wheeled mobility devices to enhance their quality of life and community participation.*
    - *19 students and community members served*
    - *I work with the individual to select the most appropriate equipment to meet their needs, meet with a wheelchair vendor to order the equipment, write a letter of medical necessity to the individual's insurance company in order to obtain funding for the equipment and assist the vendor in delivering the equipment to assure that all equipment is ordered correctly. If an insurance company denies the equipment,*

I also submit paper work to appeal the decision and work with the individual to find alternative funding for their equipment, if necessary.

- *To perform these tasks, I must maintain an Assistive Technology Professional certification that requires completion of 30 hours of continuing education every other year.*

- Professional Memberships:
    i. Member Academy of Spinal Cord Injury Professionals, 2012 - present
    ii. Member Aqua Therapy and Rehabilitation Institute, 2011- present
    iii. Member, American Physical Therapy Association, 2003 – present
    iv. Member, Rehabilitation Society of North America, 2007-2009
- Certifications:
    i. Licensed Physical Therapist in Illinois, 2011-present
    ii. Certified Assistive Technology Provider (ATP), 2010- present
    iii. Licensed Physical Therapist in Pennsylvania, 2004-2015

<u>Service to Disciplinary and Professional Societies or Associations</u>

- Academy of Spinal Cord Injury Professionals (ASCIP) Electronic Communication Committee Chair: *As chair of the Electronic Communication Committee I oversee all electronic communications of ASCIP including e-mail announcements, website updates and revisions and development of mobile applications. I also work to produce a weekly newsletter that is distributed to all members of the organization that highlights new Spinal Cord Injury related research.*
- ASCIP Therapy Leadership Council: *I perform services for the Therapy Leadership Council including arranging conference sessions for the annual meeting, selection of distinguished members for awards and general planning and organization for ASCIP.*
- Illinois Physical Therapy Association Nominating Committee Chair: *I work with members of the Central Illinois Physical Therapy District to recruit members to run for various offices within the Illinois Physical Therapy Association organization.*
- Illinois Physical Therapy Association Assembly Representative: *I am a representative of the Central Illinois district in the Illinois Physical Therapy Association Assembly to changes rules and regulations to advocate for the profession of Physical Therapy.*
- Journal Reviewer for:
    i. Journal of Rehabilitation Research and Development
    ii. Archives of Physical Medicine and Rehabilitation
    iii. International Journal of Physical Medicine and Rehabilitation
    iv. Spinal Cord
    v. BioMed Research International
    vi. PLOS ONE
    vii. Clinical Rehabilitation
    viii. Journal of Health Psychology
    ix. Medical Journals
    x. BMJ Open
    xi. International Biomechanics

<u>University/Campus Service</u>

- Committee Member, Search Committee: AHS IT Specialist, 2017 – 2018.

- Committee Member, Search Committee: Visiting Research Specialist, Center for Wounded Veterans in Higher Education, 2017-2018
- Committee Member, Search Committee: Teaching Assistant Professor in Community Health, 2017-2018
- Chair, KCH Honors and Awards, 2017-2018
- Committee Member, Elections and Credential Committee, 2017-2019
- Chair, College Grievance Committee, 2016- present
- Committee Member, Community Health Curriculum Review, 2017- present
- Committee Member, KCH Honors and Awards, 2016 - 2017
- Creation of the Disability Resources and Educational Services Research Registry: *I developed a research registry that includes both current DRES students and alumni to facilitate recruitment of study participants. Any investigator across campus may utilize the research registry (with IRB approval). There are currently 90 participants enrolled in the registry and recruitment will continue.*
- Committee Member, Search Committee: Assistant Director for the Center for Wounded Veterans in Higher Education, 2016-2017
- Reviewer, Graduate Student Travel Award, 2014-2015
- Committee Member, Alleged Capricious Grading, 2014-2016
- Committee Member, Search Committee: Falls/Fall Prevention, 2013-2014
- Committee Member, Health Disparities and Disability Concentration, 2013-present

Research Interests

- Preventing development of secondary impairments for persons with disabilities
- Provision of effective education for persons with disabilities
- Community Integration of Individuals with Disabilities
- Professional Education
- Development of Outcome Measures

Updated 4/20/18