

CURRICULUM VITAE
Sydney Y. Schaefer, PhD

CONTACT INFORMATION

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Lab website: <http://www.schaefermrlab.org/>

EDUCATION

- 2010-2012 **Postdoctoral Associate, Program in Physical Therapy**, Washington University School of Medicine, St. Louis, MO
- 2008-2009 **Postdoctoral Fellow, Department of Biomedical Engineering**, Washington University in St. Louis, St. Louis, MO
- 2004-2008 **PhD, Department of Kinesiology**, Pennsylvania State University, University Park, PA
- 2002-2004 **MS, Department of Kinesiology**, Pennsylvania State University, University Park, PA
- 1998-2002 **BS, Sports Medicine**, Pepperdine University, Malibu, CA

EMPLOYMENT

- 2012- **Assistant Professor**, Exercise Science. Department of Health, Physical Education and Recreation, Utah State University, Logan, UT
- 2012- **Adjunct Assistant Professor**, Department of Physical Therapy, University of Utah, Salt Lake City, UT
- 2012- **Director**, Motor Rehabilitation and Learning Laboratory, Department of Health, Physical Education and Recreation, Utah State University, Logan, UT

RESEARCH SUPPORT *graduate student **undergraduate student

Current

- 09/15-05/19 **Principal Investigator**. National Institute on Aging Mentored Research Scientist Development Award (K01 AG047926-01A1)
Total cost: \$543,178
Title: "Generalization of functional task-specific motor training in older adults"
- 06/15-05/16 **Co-Investigator** (PI: Dibble). VPR Funding Incentive Seed Grant, University of Utah.
Total cost: \$33,510
Title: "Exogenous Dopamine Effects on Motor Learning in Parkinson Disease"
- 09/14-08/16 **Primary Mentor**. (Student PI: Raikes*).
National Athletic Trainers' Association Research and Education Foundation Doctoral Research Grant #14DGP013
Total cost: \$2,500
Title: "Measurement of Sleep Quantity and Quality During Acute Concussion via Actigraphy"

Completed

- 2014-2015 **Principal Investigator**. Marriner S. Eccles Foundation
Total cost: \$5,000
Title: "Training and Rehab for Motor Function"

- 2014 **Principal Investigator.** Center for Persons with Disabilities, Utah State University
Total cost: \$5,000
Title: "Support for community-based stroke group"
- 2014 **Primary Mentor.** (Student PI: Hengge**). Undergraduate Research and Creative Opportunities (URCO), Utah State University.
Total cost: \$979
Title: "Identifying a New Dual-Task Paradigm for Measuring Motor Learning"
- 2014 **Co-Investigator** (PI: Norton). Seed Program to Advance Research Collaborations (SPARC), VPR Seed Funding Programs, Utah State University
Total cost: \$34,998
Title: "Gray Matters: Lifestyles to Lower Alzheimer's Disease Risk Health Education Randomized Trial"
- 2013-2015 **Co-Investigator** (PI: Bressel). National Swimming Pool Foundation Research Grant
Total cost: \$16,120
Title: "Using a dual-task paradigm for assessing the effect of water immersion on brain activity"
- 2013 **Principal Investigator.** Research Catalyst (RC A28037), VPR Seed Funding Programs, Utah State University
Total cost: \$19,961
Title: "Impact of normal aging on motor learning and transfer: How fast and how much?"
- 2010-2012 **Principal Investigator.** American Heart Association Postdoctoral Fellowship, Midwest Affiliate (AHA 10POST4140091)
Total cost: \$90,772
Title: "Movement context and its influence on function following stroke"
- 2010 **Postdoctoral Associate** (PI: Lang). National Institute of Child Health and Human Development (R01 HD055964)
Title: "Effects of movement context on hemiparetic grasping early after stroke"
- 2008-2009 **Postdoctoral Trainee** (PI: Mueller). National Institute of Child Health and Human Development (T32 HD007434 to the Program in Physical Therapy), Washington University
Title: "Training program in Movement Science"
- 2005-2008 **Predoctoral Trainee** (PI: Zarit, Willis). National Institute on Aging (T32 AG00048 to the Gerontology Center), Pennsylvania State University
Title: "Interdisciplinary training in Gerontology"
- 2004-2005 **Graduate Research Assistant** (PI: Sainburg). National Institute of Child Health and Human Development (R01 HD39311)
Title: "Interlimb differences in control of multijoint dynamics"

Unfunded

- 2014 **Principal Investigator.** Mentored Research Scientist Development Award NIA 1K01AG047926 to the National Institutes of Health
Total cost: \$561,657
Title: "Generalization of functional task-specific motor training in older adults"
Impact score: 32
- 2014 **Principal Investigator.** Mary Switzer Research Fellowship H133F140016 to the National Institute on Disability and Rehabilitation Research (NIDRR)
Total cost: \$74,753
Title: "Generalization of functional task-specific motor training in older adults"

Score: 85.5 (100 = best)

- 2014 **Co-Investigator** (PI: Dibble). Research Grant RG5210-A-2 to the National Multiple Sclerosis Society
Subcontract total cost: \$39,815
Title: "The effects of disease and practice on postural motor learning in Multiple Sclerosis"
- 2013 **Co-Investigator** (PI: Dibble). NIH Small Grant Program R03 NS088403-01 to the National Institute of Neurological Disorders and Stroke (NINDS)
Total cost: \$99,500
Title: "Effects of Dopamine and Practice on Postural Motor Learning in Parkinson Disease"
Impact score: 40
- 2009 **Principal Investigator**. Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows F32HD065343-01, National Institutes of Health
Total cost: \$97,264
Title: "Movement context and its influence on function following stroke"
Not scored

PEER-REVIEWED PUBLICATIONS (in reverse chronological order)

*graduate student **undergraduate student

1. **Schaefer SY**, Duff K. (in press) Rapid responsiveness to practice predicts longer-term retention of upper extremity motor skill in non-demented older adults. *Frontiers in Aging Neuroscience*.
2. **Schaefer SY**, Hengge CR**. (2015) Testing the concurrent validity of a naturalistic upper extremity reaching task. *Experimental Brain Research*. Epub ahead of print.
3. Hayes HA*, Hunsaker N, **Schaefer SY**, Shultz B, Schenkenberg T, Boyd LA, White A, Foreman B, Dyer P, Maletsky R, Dibble LE. (2015) Does dopamine replacement medication affect postural sequence learning in Parkinson Disease? *Motor Control*, Epub ahead of print.
4. **Schaefer SY**, Louder T*, Foster S*, Kohler B*, Bressel E. (2015) Effect of water immersion on dual task performance: Implications for aquatic therapy. *Physiotherapy Research International*, Epub ahead of print.
5. **Schaefer SY**. (2015) Preserved motor asymmetry in late adulthood: Is measuring chronological age enough? *Neuroscience*, 294:51-9.
6. Pierce JR*, Raikes AC*, **Schaefer SY**. (2015) Is a visual-based balance assessment reliable under potentially distracting conditions? *Current Research: Concussion*, 2(2):43-48.
7. **Schaefer SY**, Dibble LE, Duff K. (2015) Efficacy and feasibility of functional upper extremity task-specific training for older adults with and without cognitive impairment. *Neurorehabilitation and Neural Repair*, 29(7):636-644.
8. Norton MC, Clark CJ, Tschanz JT, Hartin P, Fauth EB, Gast J, Dorsch TE, Wengreen H, Nugent C, Robinson D, Lefevre M, McClean S, Cleland I, **Schaefer SY**, Aguilar S. (2015) The design and progress of a multi-domain lifestyle intervention to improve brain health in middle-aged persons to reduce later Alzheimer's disease risk: the Gray Matters randomized trial. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, 1(1):53-62. <http://dx.doi.org/10.1016/j.trci.2015.05.001>
9. **Schaefer SY**, Patterson CB**, Lang CE. (2013) Transfer of training between distinct motor tasks after stroke: Implications for task-specific approaches to upper extremity neurorehabilitation. *Neurorehabilitation and Neural Repair*, 27(7):602-612.

10. Lang CE, Bland MD, Bailey RR*, **Schaefer SY**, Birkenmeier RL. (2013) Assessment of upper extremity impairment, function, and activity following stroke: Foundations for clinical decision making. *Journal of Hand Therapy*, 26(2):104-14.
11. **Schaefer SY**, Lang CE. (2012) Using dual tasks to test immediate transfer of training between naturalistic movements in a single session: A proof-of-principle study. *Journal of Motor Behavior*, 44(5):313-27.
12. **Schaefer SY**, DeJong SL*, Cherry KM*, Lang CE. (2012) Grip type and task goal modify reach-to-grasp performance in post-stroke hemiparesis. *Motor Control*, 16(2):245-64.
13. DeJong SL*, **Schaefer SY**, Lang CE. (2012) The need for speed: Better movement quality during faster task performance after stroke. *Neurorehabilitation and Neural Repair*, 26:362-73.
14. **Schaefer SY**, Shelly IL**, Thoroughman KA. (2012) Beside the point: Motor adaptation without feedback-based error correction in task-irrelevant conditions. *Journal of Neurophysiology*, 107:1247-56.
15. **Schaefer SY**, Mutha PK, Haaland KY, Sainburg RL. (2012) Hemispheric specialization for movement control produces dissociable differences in online corrections after stroke. *Cerebral Cortex*, 22(6):1407-19.
16. **Schaefer SY**, Haaland KY, Sainburg RL. (2009) Dissociation of initial trajectory and final position errors during visuomotor adaptation following unilateral stroke. *Brain Research*, 1298:78-91.
17. **Schaefer SY**, Haaland KY, Sainburg RL. (2009) Hemispheric specialization and functional impact of ipsilesional deficits in movement coordination and accuracy. *Neuropsychologia*, 47:2953-66.
18. Haaland KY, **Schaefer SY**, Knight RT, Adair J, Magalhaes A, Sadek J, Sainburg RL. (2009) Ipsilesional trajectory control is related to contralesional arm paralysis after left hemisphere damage. *Experimental Brain Research*, 196: 195-204.
19. **Schaefer SY**, Sainburg RL. (2008) Sequential processes for controlling distance in multijoint movements. *Journal of Motor Behavior*, 40:325-336.
20. **Schaefer SY**, Haaland KY, Sainburg RL. (2007) Ipsilesional motor impairments following stroke reflect lateralization of movement control. *Brain*, 130:2146-2158.
21. Sainburg RL, **Schaefer SY**. (2004) Interlimb differences in control of movement extent. *Journal of Neurophysiology*, 92:1374-1383.

Currently under peer-review

1. Raikes AC*, **Schaefer SY**. Phasic electrodermal activity during the standardized assessment of concussion. Submitted to *Journal of Athletic Training*.

Peer-reviewed conference proceedings

1. Villanueva IC, Raikes AC*, Ruben N*, **Schaefer SY**, Gunther J. (2014) The Use of Physiological Tools to Identify Changes in Affective Responses for Graduate Students Recently Admitted into a Scientific Discipline. *Proceedings of the 2014 IEEE Frontiers in Education Conference*.

REFEREED ABSTRACTS (in reverse chronological order)

*graduate student **undergraduate student

1. Hayes HA, **Schaefer SY**, Dibble LE. (2016) "The feasibility and efficacy of a postural continuous tracking task: Exploring the dosing of postural task practice in Parkinson Disease." IV Step Conference, Pediatric and Neurology Sections of American Physical Therapy Association. Columbus, OH.
2. **Schaefer SY**, Prescott K*, Taylor BB, Fauth EB. (2015) "Characterizing multimorbidity in rural transitional care." *Gerontological Society of America Annual Meeting*, Orlando, FL.
3. **Schaefer SY**, Nielsen JE**, Lumberras TK**, Duff K. (2015) "Short-term practice effects predict in longer-term upper extremity motor learning in older adults with and without mild cognitive impairment." *American Society for Neurorehabilitation Annual Meeting*, Chicago, IL.
4. **Schaefer SY**, Hayes HA, Dibble LE. (2015) "The feasibility and efficacy of a postural continuous tracking task: Exploring the dosing of postural task practice in Parkinson Disease." *Society for Neuroscience Annual Meeting*. Chicago, IL.
5. Hengge CR**, **Schaefer SY**. (2015) "Exploring a more functional task for studying upper extremity motor control." *Society for Neuroscience Annual Meeting*. Chicago, IL.
6. Hengge CR**, Pierce JR*, **Schaefer SY**. (2014) "Using dual-task paradigms to detect motor learning effects in older adults after task-specific training: A feasibility study." *American Society for Neurorehabilitation Annual Meeting*, Washington DC.
7. **Schaefer SY**, Dibble LE, Duff K. (2014) "Efficacy and feasibility of functional upper extremity task-specific training for older adults with and without cognitive impairment." *American Society for Neurorehabilitation Annual Meeting*, Washington DC.
8. Gardner JE**, Raikes AC*, **Schaefer SY**. (2014) "Changes in electrodermal activity during motor learning: A proxy for attention?" *Society for Neuroscience Annual Meeting*. Washington DC.
9. Fauth EB, **Schaefer SY**, Zarit SH, Ernsth-Bravell M, Johansson B. (2014) "Beyond Grip Strength: Associations between Fine Motor ADL Performance and Cognitive Ability in a Non-demented Sample of Older Adults." *Gerontological Society of America Annual Meeting*, Washington DC.
10. Pierce JR*, Raikes AC*, **Schaefer SY**. (2014) "Using Dual-Task Conditions to Test the Reliability of a Modified Balance Error Scoring System." *National Athletic Trainers' Association Annual Meeting & Clinical Symposia*, Indianapolis, IN.
11. Gardner JE**, **Schaefer SY**. (2014) "Age-related changes in attention during motor learning: Implications for the provision of physical rehabilitative services to older adults." *Council on Undergraduate Research (CUR) Posters on the Hill*, Washington DC.
12. Lindauer BE*, Fauth EB, **Schaefer SY**. (2013) "Generalization of motor learning between distinct functional upper extremity tasks." *Society for Neuroscience Annual Meeting*. San Diego, CA.
13. Raikes AC*, Glenn K**, **Schaefer SY**. (2013) "Typical electrodermal responses during SAC performance." *National Athletic Trainers' Association Annual Meeting & Clinical Symposia*, Las Vegas, NV.
14. **Schaefer SY**, Patterson CB, Lang CE. (2012) "Transfer of training between distinct motor tasks after stroke: Implications for a task-specific approach to upper extremity neurorehabilitation." *Society for Neuroscience Annual Meeting*. New Orleans, LA.
15. **Schaefer SY**, Lang CE. (2011) "Dividing attention as a new approach to test generalization of learning between naturalistic movements." Part of "Reaching Control: Action and Sensation Nanosymposium", *Society for Neuroscience Annual Meeting*. Washington, DC.

16. Yadav V, **Schaefer SY**, Sainburg RL. (2011) "A computational model of motor lateralization can predict interlimb differences in single joint movements." *Society for Neuroscience Annual Meeting*. Washington, DC.
17. DeJong SL, **Schaefer SY**, Lang CE. (2011) "The need for speed: Better movement quality during faster task performance after stroke." *Society for the Neural Control of Movement Annual Conference*. San Juan, PR.
18. Cherry KM, DeJong SL, **Schaefer SY**, Lang CE. (2010) "Comparison of 3-finger, 5-finger, and palmar grip types in healthy adults." *Society for Neuroscience Annual Meeting*. San Diego, CA.
19. **Schaefer SY**, DeJong SL, Lang CE. (2010) "Contextual influences on reaching during reach-to-grasp following stroke." *Society for the Neural Control of Movement Annual Conference*. Naples, FL.
20. **Schaefer SY**, Shelly IL, Thoroughman KA. (2010) "Beside the point: Motor adaptation without feedback error correction in task-irrelevant conditions." *Computational and Systems Neuroscience (COSYNE)*. Salt Lake City, UT.
21. **Schaefer SY**, DeJong SL, Lang CE. (2009) "Contextual influences on reaching during reach-to-grasp following stroke." *Society for Neuroscience Annual Meeting*. Chicago, IL.
22. **Schaefer SY**, Shelly IL, Thoroughman KA. (2009) "Beside the point: Motor adaptation in task-irrelevant conditions." *Advances in Computational Motor Control (ACMC)*. Chicago, IL.
23. **Schaefer SY**, DeJong SL, Lang CE. (2009) "Contextual influences on reaching during reach-to-grasp following stroke." *Early Career Course, Annual ACRM-ASNR Joint Educational Conference*, Denver, CO.
24. **Schaefer SY**, Haaland KY, Sainburg RL. (2008) "Hemispheric specialization for visuomotor response modification: Evidence from ipsilesional motor deficits following stroke." *Society for Neuroscience Annual Meeting*. Washington, DC.
25. **Schaefer SY**, Haaland KY, Sainburg RL. (2007) "Ipsilesional movement deficits following stroke reveal hemispheric specialization for adaptation of trajectory and final position." *Society for Neuroscience Annual Meeting*. San Diego, CA.
26. **Schaefer SY**, Haaland KY, Sainburg RL. (2007) "Hemispheric specialization during visually-mediated response modifications." *Progress in Motor Control VI*, Santos, Brazil.
27. **Schaefer SY**, Haaland KY, Sainburg RL. (2006) "Left but not right hemisphere damage produces ipsilesional deficits in intersegmental coordination." *Society for Neuroscience Annual Meeting*. Atlanta, GA.
28. **Schaefer SY**, Haaland KY, Sainburg RL. (2005) "Hemispheric specialization for controlling trajectory and position during reaching." *Society for Neuroscience Annual Meeting*. Washington, DC.
29. **Schaefer SY**, Haaland KY, Sainburg RL. (2005) "Does the traditional pulse-step model apply to multijoint movements?" *Progress in Motor Control V*, University Park, PA.
30. **Schaefer SY**, Sainburg RL. (2004) "Interlimb differences in control of movement extent during multijoint reaching." *Society for Neuroscience Annual Meeting*. San Diego, CA.
31. **Schaefer SY**, Sainburg RL. (2003) "Interlimb differences in predictive control of movement extent." *Society for Neuroscience Annual Meeting*. New Orleans, LA.

INVITED RESEARCH TALKS

- 2015 Dean's Invitation, College of Health, University of Utah, Salt Lake City, UT
- 2015 Training in Rehabilitation Efficacy and Effectiveness Trials (TREET) T32 Program, Mrs. T.H. Chan Division of Occupational Science and Occupational Therapy, University of Southern California, Los Angeles, CA
- 2015 Centre National de la Recherche Scientifique (National Center for Scientific Research), Marseille, France
- 2014 Annual World Aquatic Health Conference, Portland, OR
- 2013 College of Textile Science and Technology (信州大学), Shinshu University, Ueda, Japan
- 2012 Division of Occupational Therapy, College of Health, University of Utah
- 2012 Department of Health, Physical Education and Recreation, College of Education and Human Services, Utah State University
- 2011 Program in Physical Therapy Staff, Washington University School of Medicine
- 2011 Research Seminar Series, Program in Physical Therapy, St. Louis University
- 2011 Movement Studies in Disability Graduate Program, School of Biological and Population Health Sciences, Oregon State University
- 2010 Research Seminar Series, Program in Physical Therapy, Washington University School of Medicine
- 2010 Department of Human Physiology, University of Oregon
- 2008 Action Club Seminar Series, Department of Kinesiology, Pennsylvania State University
- 2008 Natural Science Division Seminar Series, Pepperdine University

SCIENTIFIC PRESENTATIONS

- 2014 "Predicting Disability and Promoting Rehabilitation in Older Adults: Implications for Maintaining Cognitive and Physical Function," Center on Aging Research Retreat, University of Utah, Salt Lake City, UT
- 2013 "Altering Task Conditions to Influence Motor Behavior After Stroke," Combined Sections Meeting (CSM): *Neurology* Section, American Physical Therapy Association (APTA), San Diego, CA.
- 2011 Movement Science Research Retreat, Program in Physical Therapy, Washington University School of Medicine
- 2010 3rd Annual Symposium on Translational Neuroscience, Washington University School of Medicine
- 2010 6th Annual Postdoc Scientific Symposium, Washington University School of Medicine
- 2009 Neuroscience Retreat, Washington University Program in Neuroscience
- 2008 Research in Aging: Diverse Issues & Diverse Disciplines, Careers in Aging Week at The Gerontology Center, Pennsylvania State University
- 2007 Neuroscience Days, Huck Institutes of Life Sciences, Pennsylvania State University
- 2005 CrossOver, Huck Institutes of Life Sciences and Materials Research Institute, Pennsylvania State University
- 2004 Graduate Research Exhibition, Graduate School of Pennsylvania State University

TEACHING AND ADVISING EXPERIENCE

Coursework

- 2015- Instructor and Course Coordinator, PEP 7850: Advanced Aspects of Neurorehabilitation. Department of Health, Physical Education and Recreation, MS and PhD Curricula, Utah State University
- 2014- Instructor and Course Coordinator, RHSCI 7900: Independent Study in Motor Control. Department of Physical Therapy, Rehabilitation Science PhD Curriculum, University of Utah
- 2013- Instructor and Course Coordinator, PEP 6850: Neural Aspects of Rehabilitation. Department of Health, Physical Education and Recreation, MS Curriculum, Utah State University
- 2013- Instructor and Course Coordinator, PEP 6300: Seminar in Human Movement Sciences. Department of Health, Physical Education and Recreation, MS Curriculum, Utah State University
- 2013- Co-Instructor and Course Coordinator, FCHD 5550: Aging in a Welfare State (Sweden study abroad), Undergraduate and MS Curricula, Utah State University
- 2012- Lecturer, PH TH 7200: Motor Control. Department of Physical Therapy, DPT Curriculum, University of Utah
- 2012 Lecturer, PT 594: Development, Control, and Analysis of Human Movement. Program in Physical Therapy, Post-professional DPT curriculum, Washington University
- 2011 Invited panelist, BIO 5565: Oral Presentation of Scientific Data. Division of Biological and Biomedical Sciences, PhD Curriculum, Washington University
- 2011-2012 Lecturer, MC&ML 641: Motor Control and Motor Learning. Program in Physical Therapy, DPT curriculum, Washington University
- 2010 Instructor and Course Coordinator, MSP 5610: Biocontrol Mechanisms. Program in Physical Therapy, PhD Curriculum, Washington University
- 2009-2012 Lecturer, PT 605: Neuroscience. Program in Physical Therapy, DPT curriculum, Washington University
- 2002-2004 Teaching Assistant, KINES 360: Neurobiology of Motor Control & Development. Department of Kinesiology, Undergraduate Curriculum, Pennsylvania State University
- 2002 Teaching Assistant, SPME 430: Biomechanics of Human Movement. Division of Natural Sciences, Pepperdine University
- 2002 Teaching Assistant, CHEM 301: Elementary Organic Chemistry and Biochemistry. Division of Natural Sciences, Pepperdine University
- 2002 Teaching Assistant, SPME 350: Human Cadaver Prosection. Division of Natural Sciences, Pepperdine University
- 2001-2002 Teaching Assistant, SPME 330: Functional Anatomy and Kinesiology. Division of Natural Sciences, Pepperdine University

Advising and mentoring

- 2013- Doctoral dissertation advisor and committee member. Pathokinesiology Specialization, Disability Disciplines Doctoral Program, Department of Special Education and Rehabilitation, Utah State University

- 2013- Doctoral dissertation committee member, Rehabilitation Science Doctoral Program, Department of Physical Therapy, University of Utah
- 2013- Pre-Occupational Therapy Club Faculty Advisor and Director of Occupational Therapy Internship Program, Utah State University
- 2012- Master's thesis advisor and committee member. MS in Exercise Science, Department of Health, Physical Education and Recreation, Utah State University
- 2012- Undergraduate Honors thesis advisor. Department of Health, Physical Education and Recreation, Utah State University
- 2011-2012 Mentor. BME 401: Biomedical Engineering Design, Department of Biomedical Engineering, Undergraduate Curriculum, Washington University
- 2009-2012 Undergraduate student mentor. Department of Biomedical Engineering, Washington University

PROFESSIONAL SERVICE

Ad hoc grant reviewer for National Science Foundation (NSF): Program in Perception, Action, and Cognition (2014-present)

Regular reviewer for:

Journal of Neurophysiology
Journal of Neuroengineering and Rehabilitation
Experimental Brain Research
Journal of Motor Behavior
The American Journal of Occupational Therapy

Ad hoc reviewer for:

Cortex
Cerebral Cortex
Archives of Physical Medicine and Rehabilitation
Annals of Biomedical Engineering
Somatosensory and Motor Research
Muscle and Nerve
Brain Research
Neuroscience
Journal of Neurologic Physical Therapy
Frontiers in Human Neuroscience
Research Quarterly for Exercise and Sport

Participant, Grant Writing Crash Course, Vice President for Research Office, University of Utah (2013)

Member, Utah State University Undergraduate Research Advisory Board (2013-present)

Member, HPER Graduate Curriculum Committee (2012-present)

Affiliate Member, Center on Aging, University of Utah (2012-present)

(http://aging.utah.edu/members/schaefer_sydney/)

Participant, NIH Regional Seminar on Program Funding and Grants Administration (2012)

Mentor, Graduate Fellowship & Grant Writing Workshop, Division of Biology & Biomedical Sciences, Washington University (2010)

Selected attendee, Early Career Course, Annual ACRM-ASNR Joint Educational Conference (2008)

Selected attendee, Motor Control Summer School, International Society of Motor Control (2007)

President, Kinesiology Graduate Student Association, Pennsylvania State University (2003-2005)

AWARDS AND HONORS

- 2015 Recipient, Open Access Funding Initiative, Utah State University
- 2014 Recipient, Recognition of Excellence in Mentoring Undergraduate Research, National Council on Undergraduate Research (CUR)
- 2013 Center for Persons with Disabilities Faculty Fellow Program
- 2013 Selected Participant, USU Faculty 2013 Trip to DC for Proposal Development
- 2013 Travel Award, Center for Women and Gender, Utah State University
- 2013 Featured Article in the Neurology Section of the American Physical Therapy Association
- 2012 Exceptional (10+) F1000 Article Factor: F1000.com/13788956#eval15217056
- 2004-2005 Graduate Research Assistantship, Pennsylvania State University
- 2002-2004 Graduate Teaching Assistantship, Pennsylvania State University
- 2004 Department of Kinesiology Graduate Research Award, Pennsylvania State University
- 2002 Summa cum laude, Pepperdine University

PROFESSIONAL MEMBERSHIPS

National

- Society for Neuroscience
- Gerontological Society of America
- American Society for Neurorehabilitation
- Society for the Neural Control of Movement
- International Society of Motor Control

Local

- University of Utah Center on Aging
- Center for Persons with Disabilities Faculty Fellow Program

SELECTED LOCAL & EXTENSION SERVICE

- Speaker, Cache Interagency Council (CIC) (2014)
- Speaker, Senior University, Logan City Senior Citizens' Center (2014)
- Speaker, Logan Regional Hospital Summer Citizens Educational Series (2014-)
- Speaker, Professionals for Seniors, Logan, UT (2013)
- Speaker, Senior Companions Program, Bear River Agency on Aging, Cache County, UT (2013)
- Founder, "Soup 'n Stroke", Utah State University (2013-present) (<http://www.strokeassociation.org/STROKEORG/strokegroup/public/supportGroupDetail.jsp?groupId=13500008>)
- Monitor, Stroke Booth, Franklin County Medical Center Health Fair, Preston, ID (2013)
- Coordinator, Interdisciplinary Factors in Movement Science Lecture Series, Washington University (2011)
- Founder, St. Louis Women in Movement Science Postdoctoral Group, Washington University and St. Louis University (2009-2012)