

Curriculum Vitae

ANN L. SMILEY-OYEN

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Education

Ph.D. Kinesiology and Psychology, University of Michigan, Ann Arbor, 1993
M.A. Psychology, University of Michigan, Ann Arbor, 1989
M.S. Kinesiology, University of Illinois, Champaign-Urbana, 1979
B.S. Kinesiology, University of Illinois, Champaign-Urbana, 1977, magna cum laude

Professional Experience

Director of Graduate Education, Dept. of Kinesiology, Iowa State Univ., 2007-2013
Promoted to rank of Associate Professor with tenure, Dept. of Kinesiology, Iowa State Univ., 2007
Faculty, Interdepartmental Programs in Neuroscience and in Gerontology, Iowa State Univ., 2000 - present
Assistant Professor, Dept. of Kinesiology, Iowa State Univ., 2000-07
Assistant Professor, Dept. of Health and Physical Activity, Univ. of Pittsburgh, 1995-00
Assistant Faculty Associate, Dept. of Kinesiology, Univ. of Wisconsin, 1993-95
Graduate Research Assistant, Motor Behavior Lab., Univ. of Michigan, 1989-93
Graduate Teaching Assistant, Dept. of Kinesiology, Univ. of Michigan, 1983-86, 1988-89
Lecturer, Dept. of Kinesiology, Univ. of Michigan, 1986-87
Research Assistant, Chicago Institute for the Study of Learning Disabilities, 1980-82
Graduate Research Assistant, Motor Learning & Development Lab., Univ. of Illinois, 1977-79
Graduate Teaching Assistant, Dept. of Kinesiology, Univ. of Illinois, 1977-79

Honors and Awards

Outstanding Faculty Member, Greek Week, 2013
Faculty Escort to College of Human Sciences Student Marshall University Commencement, S 2009; Su 2008;
S 2008; College of Education S 2005; F 2003
Iowa State University Wakonse Teaching Fellow, 2008
Award for Excellence in Honors Mentoring and Advising, Iowa State University, 2007
Outstanding Dissertation Award, Kinesiology, University of Michigan, 1994
Rackham Thesis Grant and Ruth Harris Award, University of Michigan, 1990
School of Education Merit Award, University of Michigan, 1984-85
Marguerite Wilker Johnson Fellowship, Univ. of Michigan, 1983-84
Bronze Tablet (top 3% of graduating undergraduates in each college), University of Illinois, 1977
Edmund J. James Scholar (honors program), University of Illinois, 1973-77

Database Refereed Publications

Johannsen, N.M., Sullivan, Z.M., Warnke, N.R., **Smiley-Oyen**, A.L., King, D.S., & Sharp, R.L. (*in press*, *Epub ahead of print*). Effect of preexercise soup ingestion on water intake and fluid balance during exercise in the heat. *International Journal of Sport Nutrition and Exercise Metabolism*.
Maughan, K.K., Lowry, K.A., Franke, W.D., **Smiley-Oyen**, A.L. (2012). The dose-response relationship of balance training in physically active older adults. *Journal of Aging and Physical Activity*, 20, 442-55.

Database Refereed Publications cont.

- Smiley-Oyen, A.L.,** Hall, SA, Lowry, KA. & Kerr, J.R. (2012). Effects of extensive practice on bradykinesia in Parkinson's disease: improvement, retention and transfer. *Motor Control, 16*, 1-18.
- Lowry, K.A., Lokenvitz, N., & **Smiley-Oyen, A.L.** (2012). Age- and speed-related differences in harmonic ratios during walking. *Gait & Posture, 35*, 272-276.
- Lowry, K.A., Carrel, A.J., McIlrath J.M., & **Smiley-Oyen, A.L.** (2010). The use of harmonic ratios to examine the effect of cueing strategies on gait stability in persons with Parkinson's disease. *Archives of Physical Medicine and Rehabilitation, 91*, 632-638.
- Lowry, K.A., **Smiley-Oyen, A.L.**, Carrel, A.J. & Kerr, J.R. (2009). Walking stability using harmonic ratios in persons with Parkinson's disease. *Movement Disorders, 24*, 261-267.
- Smiley-Oyen, A.L.,** Lowry, K.A., Francoise, S.J., Kohut, M.L., & Ekkekakis, E. (2008). Exercise, fitness, and neurocognitive function in older adults: The "selective improvement" and "cardiovascular fitness" hypotheses. *Annals of Behavioral Medicine, 36*, 280-291.
- Smiley-Oyen, A.L.,** Lowry, K.A., & Kerr, J.R. (2007). Planning and control of sequential rapid aiming in adults with Parkinson's disease. *Journal of Motor Behavior, 39*, 103-114.
- Smiley-Oyen, A.L.,** Lowry, K.A., & Emerson, Q.R. (2006). Learning and retention of movement sequences in Parkinson's disease. *Movement Disorders, 21*, 1078-1087.
- Rand, M.K., **Smiley-Oyen, A.L.,** Shimansky, Y.P., Bloedel, J.R., & Stelmach, G.E. (2006). Control of aperture closure during reach-to-grasp movements in Parkinson's disease. *Experimental Brain Research, 168*, 131-142.
- Wells, C.L., **Smiley-Oyen, A.L.,** & Dauber, J.H. (2005). Psychomotor performance in lung transplant recipients: Simple reaction time. *Journal of Heart and Lung Transplantation, 24*, 282-288.
- Steinhauer, K., Grayhack, J.P., **Smiley-Oyen, A.L.,** Shaiman, S., & McNeil, M.R. (2004). The relationship among voice onset, voice quality, and fundamental frequency: A dynamical perspective. *Journal of Voice, 18*, 432-442.
- Smiley-Oyen, A.L.,** Worringham, C.J. & Cross, C.L. (2003). Motor learning processes in a movement-scaling task in Parkinson's disease and Olivopontocerebellar Atrophy. *Experimental Brain Research, 152*, 453-465.
- Smiley-Oyen, A.L.,** Cheng, H-Y., Latt, D. & Redfern, M. (2002). Adaptation of vibration-induced postural sway in individuals with Parkinson's disease. *Gait & Posture, 16*, 188-197.
- Smiley-Oyen, A.L.,** Worringham, C.J., & Cross, C.L. (2002). Practice effects in 3-dimensional sequential rapid aiming in Parkinson's disease. *Movement Disorders, 17*, 1196-1204.
- Smiley-Oyen, A.L. &** Worringham, C.J. (2001). Peripheral constraints versus online programming in rapid aimed sequential movements. *Acta Psychologica, 108*, 219-245.
- Smiley-Oyen, A.L. &** Worringham, C.J. (1996). Distribution of programming in a rapid aimed sequential movement. *Quarterly Journal of Experimental Psychology, 49A*, 379-397.
- Todor, J.I. & **Smiley-Oyen, A.L.** (1987). Force modulation as a source of hand differences in rapid finger tapping. *Acta Psychologica, 65*, 65-73.

Refereed Professional Paper

- Clark, J.E., Getchell, N., **Smiley-Oyen, A.L.** & Whitall, J. (2005). Developmental coordination disorder: Issues, identification and intervention. *J of Physical Education, Recreation and Dance, 76*, 49-53.

Book Chapters

- Worringham, C.J., **Smiley-Oyen, A.L.,** & Cross, C.L. (1996). A review: The neurological basis of motor learning. In H. Zelaznik (Ed.), *Advances in Motor Learning and Control*. Champaign, IL: Human Kinetics.
- Todor, J.I. & **Smiley, A.L.** (1985). Performance differences between the hands: Implications for studying disruption to limb praxis. In E.A. Roy (Ed.), *Neuropsychological Studies of Apraxia and Related Disorders*, New York: North-Holland Publishing Company.

Funded Grants

- Smiley-Oyen, A.L.** (PI). Enhancing Quality of Teaching/Learning in Transition from Lecture/Lab to Large Lecture-only Format, College of Human Sciences Grants for Innovative Teaching Initiatives, \$14,938, 12/1/10 – 12/31/12.
- Smiley-Oyen, A.L.** (PI). Establishing a Clinical Gait Assessment Program. College of Human Sciences Entrepreneurial Program Initiative, \$45,000, 7/1/07-6/30/12.
- Smiley-Oyen, A.L.** (PI). The Effect of Exercise on Cognitive Processing in Older Adults, University Research Grant, \$17,976, 7/1/03-6/30/04.
- Smiley-Oyen, A.L.** (PI) & Bloedel, J.R. (co-investigator). Motor Learning and Transfer in Parkinson's disease and cerebellar dysfunction. National Institute of Neurological Disorders and Stroke (5 R21 NS43733-02), \$146,000, 2/1/02 – 1/31/05.
- Bloedel, J.R. (PI) & **Smiley-Oyen, A.L.** (co-investigator). Cerebellar Dysfunction and Reach-to-Grasp. National Institute of Neurological Disorders and Stroke (1 RO1 NS36752), \$81,000, 9/7/98 – 4/3/05. (Smiley-Oyen joined as co-investigator in 2000.)
- Smiley-Oyen, A.L.** (PI). Bimanual Control in Children with Developmental Dyslexia, School of Education Faculty Research Fund, \$2998, 1999-2000.
- Smiley-Oyen, A.L.** & Gallagher, J.D. Balance control strategies in locomotion. Office of the Provost Research Instrumentation Program, \$17,948, 1997.

Refereed Symposia

- Vazou, S. & **Smiley-Oyen, A.** (2013). Integrating Physical Activity with Academics: Helping Overweight Children Catch Two Birds with One Stone. Symposium conducted at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Journal of Sport & Exercise Psychology*, 25, S9.
- Smiley-Oyen, A.L.**, Lowry, K.A., & Bloedel, J.R. (2006). Motor learning and retention after extensive practice in people with Parkinson's disease (Abstract). Symposium conducted at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Journal of Sport & Exercise Psychology*, 28, S7.
- Clark, J.E., **Smiley-Oyen, A.L.**, & Whittall, J. (2004, April). *Developmental Coordination Disorder (DCD): Identification, Issues and Interventions*. Symposium conducted at the meeting of the American Alliance for Health, Physical Education, Recreation and Dance, New Orleans, LA.
- Smiley-Oyen, A.L.**, Gallagher, J.D., Bobish, T. & Sanders, K. (2003). Visuomotor and temporal bimanual coordination in children with Developmental Coordination Disorder. (Abstract). Symposium conducted at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Journal of Sport and Exercise Psychology*, 25, S9.

Invited Presentations

- Smiley-Oyen, A.L.** *Learning and Retention of Four Motor Skills in Parkinson's Disease after Extensive Practice*. Motor Behavior Seminar, Department of Health and Kinesiology, Purdue University, 2006.
- Smiley-Oyen, A.L.** *On-line Programming of a Sequential Rapid Aiming Movement*. Cognitive Psychology Seminar, Department of Psychology, Pennsylvania State University, 1997.

Refereed Presentations (since 2002)

- Lowry, K, Thompson, L, Nasheim, J, Kirk, S, **Smiley-Oyen A.** (2013). Dual-task walking: the impact of complexity and cognitive domain. *Platform presentation at the conference of the American Physical Therapy Association Combined Sections Meeting*, San Diego, CA

Refereed Presentations cont.

- Lowry, K., Swanson, K., Chatterjee, S., Perera S., Brach J., VanSwearingen J, **Smiley-Oyen** A.L. (2012). Age-related differences in harmonic ratios during narrow base walking. Poster session for the Conference of the International Society of Posture & Gait Research, Trondheim, Norway.
- Lowry K., Swanson K., Chatterjee S., Perera S., Brach J., VanSwearingen J, **Smiley-Oyen** A.L. (2012). Age-related differences in walking skill: the effect of narrow base walking. Presidential poster session of the Annual Conference of the American Geriatrics Society, Seattle, WA.
- Smiley-Oyen, A.L.**, Maughan, K.K., Lowry, K.A. & Franke, W.D. (2011). The dose-response relationship of balance training in physically active older adults (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*.
- Parker, J.K., Miguel, H.D. & **Smiley-Oyen, A.L.** (2011). Prefrontal Oxygenation during Executive Tasks in DCD and ADHD. Poster session presented at DCD IX International Conference, Lausanne, Switzerland.
- Miguel, H.D. Parker, J.K. & **Smiley-Oyen, A.L.** (2011). Online Control of Handwriting in Children with DCD. Poster session presented at DCD IX International Conference, Lausanne, Switzerland.
- Bobish, T.P., **Smiley-Oyen, A.L.** & Gallagher, J.D. (2009). Rhythmic Bimanual Performance in Children with Developmental Coordination Disorder. Poster session presented at the DCD VIII International Conference, Baltimore, MD.
- Lowry, K.A., Carrel, A.J., McIlrath, J.M. & **Smiley-Oyen, A.L.** (2009). The use of harmonic ratios to examine the effect of cueing strategies on gait stability in persons with Parkinson's disease. Poster session presented at the Annual Conference and Exposition of the American Physical Therapy Association, Baltimore, MD.
- Smiley-Oyen, A.L.**, Ekkekakis, P., Lowry, K.A., Francois, S.J. & Kohut, M.L. (2008). Exercise, fitness, and neurocognitive function in older adults: The "selective improvement" and "cardiovascular fitness" hypotheses (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*.
- Lowry, K.A., Kerr, J.R. & **Smiley-Oyen, A.L.** (2007). Age-Related differences in walking stability at different speeds. (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*.
- Lowry, K.A., **Smiley-Oyen, A.L.**, & Kerr, J. (2007). Age-related differences in walking stability at different speeds: Harmonic ratios and spatiotemporal variables. Poster session presented at the meeting of the International Society for Posture & Gait Research, Burlington, VT.
- Smiley-Oyen, A.L.**, Lowry, K.A., & Emerson, Q.R. (2006). Learning and retention of movement sequences in Parkinson's disease (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 28, S170.
- Smiley-Oyen, A.L.**, Lowry, K.A., & Hall, S.A. (2005). *Changes in Rapid Aiming with Practice in People with Parkinson's Disease*. Poster session presented at Progress in Motor Control V, University Park, PA.
- Smiley-Oyen, A.L.**, Lowry, K.A., & Kerr, J.R. (2005). Planning and control of sequential rapid aiming in Parkinson's disease and older adults (Abstract). Paper presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 27, S142.
- Mokgothu, C.J., Gallagher, J.D., & **Smiley-Oyen, A.L.** (2005). Relationship between physical fitness and cognitive function in older adults living in Botswana (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 27, S108.

Refereed Presentations cont.

- Wells, C.L., **Smiley-Oyen**, A.L., & Dauber, J.H. (2003). Psychomotor skill in lung transplant recipients: choice reaction time (Abstract). *Cardiopulmonary Physical Therapy Journal*, 14, 19. (Received 2004 Cardiopulmonary Research Platform Award.)
- Smiley-Oyen**, A.L. & Lowry, K.A. (2003). Changes in rapid aiming with practice in people with Parkinson's disease (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 25, S124.
- Bobish, T., Gallagher, J.D., & **Smiley-Oyen**, A.L. (2003). Bimanual coordination in children with Developmental Coordination Disorder (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport & Physical Activity, *Supplement to Journal of Sport & Exercise Psychology*, 25, S29.
- Sanders, K., Gallagher, J.D., & **Smiley-Oyen**, A.L. (2003). Bimanual coordination of children with Developmental Coordination Disorder: A test of inter-hemispheric integration (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 25, S116.
- Hindawi, O.S., Thomas, K.T., **Smiley-Oyen**, A.L., Engelhorn, R., & Thomas, J.R. (2003, April). *Developmental Changes in Cognitive and Motor Time*. Poster session presented at the meeting of the American Alliance for Health, Physical Education, Recreation and Dance, Philadelphia, PA.
- Wells, C.L., Stille, C., & **Smiley-Oyen**, A.L. (2003). Cognitive function in lung transplant recipients (Abstract). *Cardiopulmonary Physical Therapy Journal*, 14, 20. (Received 2003 Cardiopulmonary Research Platform Award.)
- Gallagher, J.D., **Smiley-Oyen**, A.L., & Lowry, K.A. (2002). Differences in walking balance for persons with and without Alzheimer's disease (Abstract). Poster session at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 24, S56.
- Mogothu, C., Gallagher, J.D., & **Smiley-Oyen**, A.L. (2002). Relationship of fitness level and cognitive function in children from Botswana (Abstract). Poster session presented at the meeting of the North American Society for the Psychology of Sport and Physical Activity, *Supplement to Journal of Sport and Exercise Psychology*, 24, S97.

Scientific Presentations (since 2002)

- Parker, JKL, Miguel, H., Smiley-Oyen, A.L. (2012). Prefrontal right and left hemisphere activation during executive tasks in children with developmental coordination disorder: A NIRS study. Poster session presented at the meeting of the Society of Neuroscience, New Orleans, LA.
- Lowry, K.A., Carrel, A.J., McIlrath, J.M., **Smiley-Oyen**, A.L. (2011). The Use of Harmonic Ratios to Examine the Effect of Cueing Strategies on Gait Stability in Persons with Parkinson's Disease. Poster session presented at the Annual Research Poster Day, Aging Institute, University of Pittsburgh.
- Smiley-Oyen**, A.L., Lowry, K.A., Hall, S.A., Bloedel, J.R. (2009, Oct.). *Force Generation, Retention, and Transfer after Extensive Practice in Parkinson's and Aging*. Poster session presented at the meeting of the Society of Neuroscience, Chicago, IL.
- Carrel, A. J., Lowry, K.A., Russell, J.M., & **Smiley-Oyen**, A.L. (2006, Oct.). *Use of Harmonic Analysis to Assess Gait in Parkinson's Disease*. Poster session presented at the meeting of the Society of Neuroscience, Atlanta, GA.
- Lowry, K.A., **Smiley-Oyen**, A.L., & Gallagher, J.D. (2004, Oct.). *Walking Stability in Persons with and without Alzheimer's Disease*. Poster session presented at the meeting of the Society of Neuroscience, San Diego, CA.

Teaching: Courses

Graduate Motor Development (1994, 2009)

Graduate/Upper level undergrad: Neural Basis of Human Movement (1997, 1999, S 2003-present)

Graduate: Motor Control and Learning (19993-1996, 1998, 2004, 2006, 2009)

Graduate Seminar: Motor Control (1997-00, 2004), Topics: Aging Gracefully; Developmental Coordination Disorder; Movement Disorders; Neural Plasticity

Graduate Seminar: Scientific Writing (summer 2007, F 2010)

Motor Control and Learning (undergraduate) (1986-87; 1993-present)

Biomechanics (undergraduate) (1996-00)

Psychomotor Development (undergraduate) (1986-87; 1994-95)

Guest lecturer at Iowa State in the following courses

- 1) Kin 252: Introduction in Kinesiology (Motor Control/Learning)
- 2) Kin 350: Human Diseases (Neurological Diseases)
- 3) Kin 462: Medical Aspects of Exercise (Parkinson's Disease)
- 4) Kin/BMS/ANS 549: Advanced Mammalian Physiology I (Neuromotor Control), (F 2006-10)

Presentations in graduate seminars: Doctoral Seminar in Kinesiology; Gerontology Seminar; Neuroscience Seminar; Cognitive Seminar in Psychology; Medical Aspects of Exercise

Coordinator for Kin 615: Doctoral Seminar (2005-2011)

Teaching: Mentoring

Ph.D. Major Professor:

Jennifer Lange Parker (current, Kinesiology & Neuroscience)

Yanlong Song (current)

Kira Werstein (co-major advisor), Ph.D. (2012), postdoctoral fellow and lecturer, Iowa State University

Kristin Lowry, Ph.D., P.T. (2010), Postdoctoral Research Fellow, Division of Geriatric Medicine, Univ. of Pittsburgh, Pittsburgh, PA

Tasia Bobish, Ph.D., P.T. (2003), Clinician, Center for Assistive Technology, Univ. of Pittsburgh, Pittsburgh, PA

Christine Wells, Ph.D., P.T. (2002), Adjunct Assistant Professor, Univ. of Maryland, School of Medicine, Department of Physical Therapy & Rehabilitation Science, Baltimore, MD

MS Major Professor (with thesis): N Meier (2012, co-major); J. Parker (2012), H. Miguel (2011), T. Robinson (2011), S. Ranjan (2011); S. Chatterjee (2010); K. Maughan (2008); C. Reed (2007), A. Carrel (2007), S. Hall (2005), K. Sanders (2003), K. Lowry (2001), H. Cheng (1999), T. Bobish (1999)

MS Major Professor (creative component): S. Anderson (current); N. Saini (2011); S. Smalley (1999), M. Murray (1999), D. LaSota (1998)

PhD POS committee member: H. Buddhadev (current), R. Suvorov (current, Applied Linguistics and Technology), Thomas Kelly (current, Educational Leadership), A. Carrel (2012, Neuroscience), A. Ghosh (2012, Neuroscience), S. Coates (2011), K. Stevermer (2010); S. Meardon (2009); B. Edwards (2009); J. Thomas (2008); N. Johannsen (2007); S. Zbarska (2007, Neuroscience); R. Joens-Matre (2006); A. Ramos (2006, Psychology & Neuroscience); K. Steinhauer (Communication Sciences & Disorders, 2000); A. DeOlivra (1997)

MS POS committee member: T. Insko (current, Higher Education), M. Tschempl (2009), J. Bennett (2005, Human Development and Family Studies, Gerontology minor), M. Skaug (2002, Psychology)

Undergraduate Honor's thesis advisor: K. Lee (current); A. Roush (2012); S Hallek (2011); A. Shedek (2011); K. Williams (2011); A. Jochims^s (2010), K. Swanson^s (2009), A. Walk (2008), L. Thompson* (2008), N. Lokenvitz (2007), K. Wiegert (2007), A. Sulewski (2007), J. Russell* (2006), S. Stamm (2005)

*Honors thesis selected for "Research in the Capitol"; ^sjudged "best" College of Human Sciences

Teaching: Mentoring cont.

Preparing Future Faculty Mentor: Meghan Gillette, Human Development and Family Studies (2012), Kira Werstein, 2011-12; Kate Stafford, 2010-12; Stacey Meardon, 2006-07; Krystal Detweiler, Neuroscience, 2006-07

Faculty Mentoring of Junior Faculty: Amy Welch (2007-10)

Service

Department of Kinesiology

Chair, Graduate Executive Committee, 2007-13; Member, 2000-07

Member, Kinesiology Executive Committee, 2007-2013

Member, faculty search committees, 2012-13, 2011-12; 2010-11; 2007-08; 2004-05.; 2001-02

Chair, Awards Committee, 2007-08, 2004-05, Member, 2005-07, 2003-04

Chair, Strategic Plan Committee, 2006-07

Chair, Minority Student Recruitment Committee, 2002-2008

Member, Pease Family Scholar Committee, 2002-04

Member, faculty representative for Athletic Training Re-certification Site Visit, 2010-2011, 2005-06

College of Human Sciences (CHS)

Member, Research and Graduate Education Committee, CHS, 2007-2013

Member, CHS Faculty Senate Caucus, 2007-present

Member, CHS Budget Advisory Committee, 2012-present

Member, Awards Committee, College of Human Sciences, 2005-07; College of Education 2004-05

Member, Professional Development Committee, College of Human Sciences, 2006-07; College of Education, 2001-05

Member, Recruitment and Retention Committee, College of Education, 2003-05

Iowa State University

Chair, Faculty Development and Administrative Relations Council, 2010- present; member 2008-2010

Member, University Faculty Senate, 2008-present

Member, Curriculum Committee, Graduate Neuroscience Program, 2013-present

Member, The Program for Women in Science and Engineering Advisory Board, 2007- present

Member, Gerontology Advisory Committee, Gerontology Program, 2003-09

Faculty Panel Member, University Orientation for Students & Families, 2005-08, 2011-13

Faculty Participant, Destination Iowa State, *Your Passport to Success* (freshman), 2007, 2009-11

Member, Admissions Committee, Graduate Neuroscience Program, 2001-03

National

Associate Editor, Research Quarterly for Exercise and Sport (Motor Behavior), 2011- present

Secretary-Treasurer, North American Society for the Psychology of Sport and Physical Activity (NASPSPA), 2006-08

Reviewer, Motor Learning and Control: Concepts and Applications by R.A. Magill, 2005.

Reviewer, Graduate Student Research Grant program, NASPSPA, 2004-05

Reviewer, NIH Study Review, Special Emphasis Panel (Cognition & Perception, Language & Communication), 2004

Chair, Motor Learning and Control Research Program, NASPSPA Conference, 2001

Community Service/Outreach

Speaker, "Brain and Behavior: Get Active, Stay Active!" Osher Lifelong Learning Institute at ISU, S 2011

Speaker, "Get Active, Stay Active – Keeping the Brain Healthy," Extension conference, F 2008

Participant, Nutrition and Wellness Research Center Open House, F 2007

Service (cont.)

Speaker, Iowa Chapter of the Society for Public Health Education (SOPHE), F 2007

Speaker, "Positive Impact of Staying Active," Kiwanis, F 2006

Speaker, "Get Active, Stay Active," National Public Health Week, S 2005

Speaker, "Brain and Behavior," Program for Women in Science and Engineering (WISE), *Taking the Road Less Traveled: A Career Conference for Girls*, 2004-present (F and S, to junior and senior high girls)

Motor Control & Learning Newsletter (helpful information regarding Parkinson's disease & lab updates), 2001-present

Speaker, "Staying Active: Healthy Elderly and PD Adults," Ames Parkinson's Disease Support Group, F 2002, SU 2009; Des Moines Young Parkinson's Disease Support Group, S 2003

Speaker, "Get Active, Stay Active! Physically and Mentally," Ames Golden Kiwanis, 2002; Kiwanis, 2006

Speaker, ISU Foundation, College of Human Sciences, theme: Gerontology, 2004

Speaker, Education Research Exchange, 2001

Memberships

Society for Neuroscience

North American Society for the Psychology of Sport and Physical Activity