CURRICULUM VITA

Wan X. Yao
Kinesiology, Health & Nutrition, College of Education and Human Development
University of Texas at San Antonio (UTSA)
(210) 458-5792 (office)
(210) 771-7264 (cell)
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EDUCATION

Ph.D. (1996) Auburn University
MAJOR: *Motor Learning and Control*
ADDITIONAL AREAS OF STUDY: *Biomechanics* and *Statistics*
DISSERTATION TITLE: *Speed and Accuracy Trade-Off: Kinematic Characteristics of Discrete Aiming Movements*
M.S. (1987) Beijing Sport University, Beijing, China (Kinesiology)
B.S. (1982) Beijing Sport University, Beijing, China (Kinesiology)

PROFESSIONAL EXPERIENCE

2015 – present **Professor (Tenured),** Kinesiology, Health & Nutrition, College of Education and Human Development, UTSA
Responsibilities: Teaching Biomechanics and Motor Learning Classes at undergraduate and graduate levels, and Statistics at graduate level.
2014 – present **Director** of East Asia Institute and Confucius Institute, UTSA

2008 – 2014 **Chair of the Department** of Kinesiology, Health & Nutrition, UTSA (Two 3-YR terms)
Responsibilities: Overseeing all administrative matters related to faculty, staff, students, academic programs and operations in the department.
2005 – 2008 **Graduate Advisor of Record** (Graduate Program Coordinator)

2004 –2014 **Associate Professor (Tenured),** Kinesiology, Health & Nutrition, College of Education and Human Development, UTSA
Responsibilities: Teaching Biomechanics and Motor Learning Classes at undergraduate and graduate levels, and Statistics at graduate level.
2000 –2004 **Assistant Professor (Tenure Track),** Kinesiology, Health & Nutrition, College of Education and Human Development, UTSA
Responsibilities: Teaching Biomechanics and Motor Learning Classes at undergraduate and graduate levels, and Statistics at graduate level.
1997-2000 **Assistant Professor (Tenure Track)**, Department of Health and Physical Education, The University of Wisconsin at Whitewater
Responsibilities: Taught Biomechanics and Structure & Function of Human Body Classes.

1996-1997 **Instructor and Research Associate,** University of Colorado, Boulder
Responsibility: Taught Motor Learning/Control, & Statistics Classes; Worked on a Computer Simulation Project regarding Motor Neuron Communication under the supervision of **Dr. Roger Enoka**

1995-1996 **Research Assistant**, Biomechanics Lab, Department of Health and Human Performance, Auburn University
Responsibilities: Collected and Analyzed Data for a Wheelchair Study under the supervision of **Dr. Y. Tai Wang**

1993-1995 **Consortium Research Fellow,** U.S. Army Research Institute for the Behavioral and Social Sciences, Fort Benning Field Unit
Responsibilities: Analyzed data with SPSS; Computer Programming for Testing Psycho-Motor Capability with C and Visual Basic

1987-1990 **Lecturer and the Assistant Men's Basketball Coach,** Beijing Institute of Physical Education, Beijing, China
Teaching Responsibilities: Taught Courses in Physical Education and Coaching Theory

MAJOR RESEARCH and PROFESSIONAL INTERESTS

Research: Control of motor responses, feedback effects on motor skill learning, and neural mechanisms underlying bilateral transfer and imagery practice in motor learning and control.

Teaching: Motor learning and control; biomechanical kinesiology; research methods and statistics in health and kinesiology; and motor development

PEER-REVIEWED RESEARCH ARTICLES

Fang, Y., Daly, J., Hansley, J., **Yao, W.X**., Yang, Q., Sun, J., Hvorat, K., Pundik, S., & Yue, G.H. (2015) Hemispheric activation during planning and execution phases in reaching post stroke: A consort study. *Medicine*, 94, 1 – 10. doi: 10.1097/MD.0000000000000307.

Yao, W.X., Li, J.Q., Jiang, T., Franlin, C.G., Lancaster J.L. & Yue, G.H. (2014). Aging interferes central control mechanism for eccentric muscle contraction. *Frontiers in Aging Neuroscience*, 6, doi: 10.3389/fnagi.2014.00086.

Yao, W.X., Cordova, A., Wang, Y., Huang, Y.F., & Xing, L. (2014). Bilateral transfer for learning to control timing but not for learning to control fine force. *Perceptual & Motor Skills*, 118, 400-410.

Liu, H., Wu, W., **Yao, W.X.**, Spang, J.T., Creighton, R.A., Garrett, W.E., & Yu, B. (2014). Effects of Knee Extension Constraint Training on Knee Flexion Angle and Peak Impact Ground Reaction Force. *American Journal of Sports Medicine*, 42, 979-986.

Yao, X.Y., Ranganathan, V.K., Allexandre, D., Siemionow, V., & Yue, G.H. (2013). Kinesthetic imagery training of forceful muscle contractions increases brain signal and muscle strength. *Frontiers in Human Neuroscience*, 7, doi: 10.3389/fnhum.2013.00561**.** [By May, 2014 Impact Factor ***2.9***, 5YR Impact Factor *N/A*]

Yan, A.F., Ge, S., **Yao, W.X.**, & Gao, Z.S. (2013). Developing and validating instrument to assess psychosocial influences on physical activity among a national sample of Chinese urban youth – A mixed method. *American Journal of Health Studies*, 28, 84-91.

Yao, W.X., Cordova, A., DeSola, W., Hart, C., & Yan, A.F. (2012). The effect of variable practice on wheelchair propulsive economy: an implication for rehabilitation of wheelchair stricken individuals. *European Journal of Physical and Rehabilitation Medicine*, 48, 209-216.

Yang, Q., Wang, X.F., Fang, Y., Siemionow, V., **Yao, W.X.,** & Yue, G.H. (2011). Time-Dependent cortical activation in voluntary muscle contraction**.** *The Open Neuroimaging Journal*, 5, 232 - 239.

Yang, Q., Siemionow, V., **Yao, W.X.,** & Yue, G.H. **(2010).** Single-trial EEG-EMG coherence analysis reveals muscle fatigue-related progressive alterations in corticomuscular coupling. *IEEE TNSRE*, 18, 97-106.

Yao, W.X., DeSola, B., & Bi, Z.C. (2009). Variable Practice Versus Constant Practice in the Acquisition of Wheelchair Propulsive Speeds. *Perceptual and Motor Skills*, 109, 1-7.

Yao, W.X., DeSola, B., Zunker, W., Bi, Z.C., Wallace, S.A., & Ding, Y.C. (2007). Effect of Spatial Accuracy Demand in Aiming Movements: Kinematic Analysis of Subtended Angle and Tolerance Width. *Perceptual and Motor Skills*, 104, 611-620.

Ding, Y.H., Li, J., **Yao' W.X**., Rafols, J. A. , Clark, J.C. and Ding, Y. (2006). Exercise preconditioning upregulates cerebral integrins and enhances cerebrovascular integrity in ischemic rats. *Acta Neuropathologica*, 112, 74-84.

Yao, W.X. (2004). Roles of Motor-Unit Recruitment in Producing Force Variability of Simulated Muscle Contraction. *Motor Control*, 8, 64-75.

Zhang, J.Q., Ji, L., Nunez, G., Feather, S., Hart, C., and **Yao, W.X.** (2004). Effect of Exercise Timing onPostprandial Lipemia in Hypertriglyceridemic Men. *Canadian Journal of Applied Physiology*, 29, 590-603.

Yao, W.X. (2003). Average KR Schedule Benefits Generalized Motor Program Learning. *Perceptual and Motor Skills*, 97, 185-191.

Xiong, X.P., **Yao, W.X**., Tan, M., and Yue, G.H. (2003). A Stochastic Model for Assessing Synchronization among Spike Trains in a Population of Motor Neurons. *Journal of Methodology and Computing in Applied Probability*, 5, 355-367.

Yao, W.X., Enoka, R.M., & Fuglevand, A.J. (2000). Motor Unit Synchronization Increases EMG Amplitude and Decreases Force Steadiness in Simulated Contractions. *Journal of Neurophysiology*, 83, 441-452.

Fischman, M.G., **Yao, W.X.,** & Reeve, T.G. (2000). Directional Accuracy Demands in the Response Complexity Effect: Tests of Subtended Angle and Tolerant Width. *Journal of Human Movement Studies*, 39, 295-310.

Yao, W.X., & Fischman, M.G. (1999). Kinematic Characteristics of Aiming Movements as a Function of Temporal and Spatial Constraints. *Motor Control*, 3, 424-435.

Yao, W.X., Fischman, M.G., & Wang, Y.T. (1994). Motor Skill Acquisition and Retention as a Function of Average Feedback, Summary Feedback, and Performance Variability. *Journal of Motor Behavior*, 26, 273-282.

Fischman, M.G., & **Yao, W.X.** (1994). Programming Time and Movement Time as a Function of Unequal Distributions of Practice. *Journal of Human Movement Studies*, 26, 25-34.

Fischman, M.G., & **Yao, W.X.** (1994). Evidence limiting the subtended angle hypothesis of response programming delays. *Perceptual and Motor Skills*, 78, 827-832.

Zhong, B.S., Chi, J., & **Yao, W.X**. (1992). Survey of Consciousness of Urban Habitants on the Development of Competitive Sports. *Journal of Beijing Sport University*, 57, 9-14. (http://www.cnki.com.cn/Journal/H-H6-BJTD-1992-03.htm)

Yao, W.X. (1989). Statistical Model and Jumping Ability Training. *Journal of Beijing Sport University*, 46, 25-31. (http://www.cnki.com.cn/Journal/H-H6-BJTD-1989.htm)

NON-PEER-REVIEWED BOOK CHAPTER (Encyclopedia Entry):

Yao, W.X. & Yin, Z.N. (2006). Physical Education, In SAGE Encyclopedia of Educational Leadership and Administration, Volume 2, 756-759. Edited by: Feinwick W. English, Sage Publications, Inc.

GRANTS and CONTRACTS AWARDED

2014 "Acquisition of High Resolution Electroencephalogram Systems for Advancing Brain-Machine Interaction Research and Education" **Funded** by Research and Education Program for HBCU/MI Equipment/Instrumentation, Department of Defense, **$420,000**, **Role: Co-PI** (PI: Professor Huang, YF, Department of Electrical & Computer Engineering at UTSA)

2011 – 2012 "San Antonio Community Putting Prevention to Work Physical Activity Assessment" **Funded** by Metro Health, San Antonio, Texas, **$50,000**, **Role: Co-PI** (PI: Dr. Yan, AF, University of Wisconsin at Milwaukee)

2005 – 2007 "Neural mechanisms of muscle contraction" **Funded** by San Antonio Life Sciences Institute, **$160,416**. **Role: PI**

2004 "Brain activities during eccentric and concentric muscle contractions." The Faculty Research Foundation of University of Texas at San Antonio, **$5,000**. **Role: PI**

2004 UTSA "College of Education and Human Development Mini-grant." $1,200

2003 UTSA "College of Education and Human Development Mini-grant." $1,200

2002 UTSA "College of Education and Human Development Mini-grant." $1,000

2001 "The Effect of Variable-Practice Strategy on Wheelchair-Pushing Skills and Energy Expenditure during the Wheelchair Propulsion" **Funded** by The National Institute of Disability and Rehabilitation Research (NIDRR), **$55,000**. **Role: PI**

2000 "Examination of Upper-Extremity Electromyography during Wheelchair Propulsion under Three Pushing Speeds." **Funded** by the Faculty Research Foundation of University of Texas at San Antonio, **$4,500. Role: PI**

1998 "Kinematic Characteristics of Wheelchair Propulsion as a Function of Body Fitness Levels." **Funded** by the Faculty Research Foundation of the University of Wisconsin at Whitewater, **$5,650. Role: PI**

PRESENTATIONS and/or PUBLICATIONS in ABSTRACT FORM

Land, W., & **Yao, W.X.** (2015). Effect anticipation and contextual priming in experts. 14th European Congress of Sport Psychology, Bern, Switzerland.

Land, W, & **Yao, W.X.** (2015). The Influence of Perceptual Movement Effects on the Priming of Complex Action. 14th European Congress of Sport Psychology, Bern, Switzerland.

Yao, W.X., Jiang, T., & Yue, G.Y. (2014). Modulation of brain functional connectivity during voluntary concentric and eccentric muscle contraction. Organization for Human Brain Mapping, Hamburg, Germany.

Liu, B.Y., Cordova, A., Yan, A.F., Wang, Y., & **Yao, W.X.** (2013). Effect of mental practice and physical practice on bilateral transfer in tapping tasks. The North American Society for Psychology of Sport and Physical Activity, New Orleans, LA (Journal of Sport & Exercise Psychology, 35 (Supplement), S37)

Yao, W.X., Hearing, C., Wu, Y.C. & Yan, A.F. (2012). Bilateral Transfer in Force Control is Task Specific. The North American Society for Psychology of Sport and Physical Activity, Honolulu, Hawaii (Journal of Sport & Exercise Psychology, 34 (Supplement), S147)

Yao, W.X., Cordova, A., & Yan, A.F. (2011). Bilateral Transfer of Generalized Motor Program and Parameters in Learning a Sequential Motor Skill. The North American Society for Psychology of Sport and Physical Activity, Burlington, Vermont ((Journal of Sport & Exercise Psychology, 33 (Supplement), S38)

Yao, W.X., Li, J.Q., Fox, P., Wang, Y., & Yue, G.H. (2009). Brain activities during imagined eccentric and concentric contractions: A Functional MRI Study. The North American Society for Psychology of Sport and Physical Activity, Austin, Texas (Journal of Sport & Exercise Psychology, 31 (Supplement), S105).

Yao, W.X., Li, J.Q., Yin, Z.N., Zhang, Q., Fox, P., & Yue, G.H. (2008). Brain activities during eccentric and concentric muscle contractions may depend on resistance load: A Functional MRI Study. The 2008 International Convention on Science, Education and Medicine in Sport (2008 ICSEMIS), Guangzhou, PR China.

Yao, W.X., Li, J.Q., Yin, Z.N., Zhang, Q., Fox, P., & Yue, G.H. (2008). Brain activities are different for executed muscle contractions from imagined muscle contractions for elderly subjects: A Functional MRI Study. The 2008 International Convention on Science, Education and Medicine in Sport (2008 ICSEMIS), Guangzhou, PR China.

Yue, G.H., Yang, Q., Zhang, L.D., Shaikhouni, S., Andrish, J., Fang, Y., Siemionow, V., Sahgal, V., **Yao, W.X.** (2008). Eccentric and concentric muscle contractions are controlled by different areas of the brain. The 2008 International Convention on Science, Education and Medicine in Sport (2008 ICSEMIS), Guangzhou, PR China.

Yao, W.X. and Yin, Z. (2007). Impact of physical activity frequency on body composition and fitness in young children. The 2007 Conference on National Physical Fitness, Macau, PR China.

Yin, Z. **Yao, W.X.** (2007). Impact of a 3-year physical activity intervention on obesity and fitness in young children: The Medical College of Georgia FitKid Project. The 2007 Conference on National Physical Fitness, Macau, PR China.

Yao, W.X., Li, J., Moreno, R.J., and Ding, Y. (2006). Brain activation during eccentric and concentric muscle contractions may depend on muscle function. Annual conference of Society for Neuroscience, Atlanta, Georgia.

Yao, W.X., Li, J., Gao, F., Bi, Z.C., Moreno, R.J., Yin, Z., and Ding, Y. (2006). Brain activities during eccentric and concentric muscle contractions: a functional MRI study. XXIX FIMS World Congress of Sports Medicine, Beijing, China (XXIX FIMS abstracts, p227)

Yao, W.X, Moreno, R., Yin, Z, Zhang, J., Hart, C., and Lai, Q. (2005). Effects of knowledge of result and contraction time on the relationship between force and force variability. The North American Society for Psychology of Sport and Physical Activity, St. Pete Beach, Florida (Journal of Sport & Exercise Psychology, 27 (Supplement), S161)

Yao, W.X., Molina, M., Hart, C., and Zhang, J.Q. (2004). Discharge-Rate Effect on Motor-Unit synchronization and Force Production and Force Production in Simulated Muscle Contractions. The North American Society for Psychology of Sport and Physical Activity, Vancouver, BC, Canada (Journal of Sport & Exercise Psychology, 26 (Supplement), S203)

Zhang, J.Q. Ji, L.L., Frewell, V., Hart, C.L., and Yao, W.X.. (April, 2004) Exercise duration and postprandial lipemia. Submitted to Experimental Biology Annual Convention, San Diego.

Yao, W.X., Krenek, M., and Zhang, J.Q. (2003). Motor-Unit Recruitment And Firing Rate May Not Have An Equal Role In Producing Force Variability Of Muscle Contraction. The North American Society for Psychology of Sport and Physical Activity, Savannah, Georgia (Journal of Sport & Exercise Psychology, 25 (Supplement), S142).

Yao, W.X., De Sola, B., Hart, C., Ji, L. and Zhang, J.Q. (2003). The Effect Of Variable-Practice On Wheelchair-Propulsive Energy Expenditure And Propulsive Patterns. American College of Sports Medicine Annual Meeting, San Francisco, California (Journal of Medicine & Science in Sports & Exercise, 35 (Supplement), S346).

Zhang, J.Q., Ji, L.L., Fretwell, V., Nunez, L., Zhang, K.Y., Hart, C., **Yao, W.X.** (2003). Effect of Exercise Intensity on Postprandial Lipemia in Patients With Hypertriglyceridemia. American College of Sports Medicine Annual Meeting, San Francisco, California (Journal of Medicine & Science in Sports & Exercise, 35 (Supplement), S87).

Yao, W.X., De Sola, B., Hart, C., Zhang, J. Q., Ji, Z., and Ji, L. (2002). Effects of Wheelchair Propulsive Speeds on Oxygen Expenditure and EMG Waves. American College of Sports Medicine Annual Meeting, St. Louis, Missouri (Journal of Medicine & Science in Sports & Exercise, 34 (Supplement), S176).

Zhang, J.Q., Ji, L., Hart, C., **Yao, W.,** Nunez, G., Feather, S., and Zhang, K.Y. (2002). Effect of Exercise Timing on Postprandial Hypertriglyceridemia in Patients with Hypertriglyceridemia. Experimental Biology Annual Convention, New Orleans (*FASEB J., 16(4):* A1143-A1144).

Lai, Q., MacDonald, P., and **Yao, W.X.** (2002). Evidences Supporting Effector Independence. American Alliance for Health, Physical Education, Recreation and Dance Annual Meeting, San Diego, CA (Research Quarterly for Exercise and Sport, (Supplement) 73, 52).

Yao, W.X., X. Xiong, and Yue, G.H. (2001). The Stochastic Method Can Determine Synchronization in a Motor-Unit Population in Simulated Muscle Contractions. American College of Sports Medicine Annual Meeting, Baltimore, Maryland (Journal of Medicine & Science in Sports & Exercise, 33 (Supplement), S1215).

Yao, W. X. (2001). Roles of Motor-Unit Recruitment and Rate Coding in Producing Force Variability of Simulated Muscle Contraction. The 2001 annual Conference of the North American Society for Psychology of Sport and Physical Activity, St. Louis, Missouri (Journal of Sport & Exercise Psychology, 23 (Supplement), S90).

Xiong, X., **Yao, W.X.**, Yue, G.H. (2000). A Stochastic Model for Assessing Synchronization within a Population of Motor Units. 30th Annual Meeting of the Society for Neuroscience, New Orleans, LA (Soc. Neurosci. Abstr., 26, Part 1, p. 464)

Yao, W.X., (2000). Kinematical Characteristics of Aiming Movement as a Function of Subtended Angle and Tolerant Width. The 2000 Annual Conference of the North American Society for Psychology of Sport and Physical Activity, San Diego, CA (Journal of Sport & Exercise Psychology, 22 (Supplement), S119).

Yao, W.X. (2000). Effect of Discharge Rate on Motor Unit Synchronization and Muscle Strength of Simulated Contraction. American College of Sports Medicine Annual Meeting, Indianapolis, Indiana (Journal of Medicine & Science in Sports & Exercise, 32 (Supplement), S280)

Yao, W.X., Albrechtsen, S., Ferreira, D., Hamer, K. & Hambley, J. (1999). Two-Dimensional Kinematic Analysis of Daily Wheelchair Propulsion. American College of Sports Medicine Annual Meeting, Seattle, Washington (Journal of Medicine & Science in Sports & Exercise, 31 (Supplement), S305).

Yao, W.X., & Fischman, M.G. (1999). Effects of Average KR and Every-Trial KR on Learning a Sequential Timing Motor Skill. American Alliance for Health, Physical Education, Recreation and Dance Annual Meeting, Boston, MA (Research Quarterly for Exercise and Sport, (Supplement) 70, 73).

Yao, W.X., Wallace, S.A., & Fischman, M.G. (1998). Movement Pathway in Aiming Movements as a Function of Subtended Angle and Tolerant Width. The 1998 Annual Conference of the North American Society for Psychology of Sport and Physical Activity, Chicago, IL (Journal of Sport & Exercise Psychology, 20 (Supplement), S107).

Yao, W.X., Fugelvand, A., & Enoka, R.M. (1998). Motor Unit Synchronization Increases EMG and Force Fluctuations in Simulated Isometric Contractions. American College of Sports Medicine Annual Meeting, Orlando, Florida (Journal of Medicine & Science in Sports & Exercise, 30 (Supplement), S255).

Yao, W.X., Fugelvand, A., & Enoka, R.M. (1997). Motor Unit Synchronization Linearizes the Simulated EMG-Force Relationship. The Society for Neuroscience 27th Annual Conference, New Orleans, LA (Soc. Neurosci. Abstr., 23, Part 1, p. 1050).

Yao, W.X. & Fischman, M. G. (1997). The Relationship Between Speed and Accuracy in Discrete Aiming Movements as a Function of Temporal and Spatial Constraints. North American Society for the Psychology of Sport and Physical Activity Annual Meeting, Denver, Colorado (Journal of Sport & Exercise Psychology, 19 (Supplement), S124).

Yao, W.X. (1996). Spatial Variable Error of Aiming Movements as a Function of Target Shapes. American Alliance for Health, Physical Education, Recreation and Dance Annual Meeting, Atlanta, Georgia.

Yao, W.X., Fischman, M.G., & Reeve, T.G. (1996). Programming Time as a Function of Subtended Angle and Tolerant Width in Multiple-Target Aiming Tasks. American Alliance for Health, Physical Education, Recreation and Dance Annual Meeting, Atlanta, Georgia.

Wang, Y.T., Pascoe, D.D., Poole, F.A., **Yao, W.X.**, & Ford III, H.T. (1996). Effects of the Backpack Load on the Gait Pattern. American College of Sports Medicine Annual Meeting (Journal of Medicine & Science in Sports & Exercise, 28 (Supplement), S45).

Jasper, S.R., Wang, Y.T., Ford III, H.T., Laport, C., & **Yao, W.X.** (1996). Kinematical Analysis of Long Jump in Takeoff Phase. American College of Sports Medicine Annual Meeting (Journal of Medicine & Science in Sports & Exercise, 28 (Supplement), S45).

Yao, W.X., Fischman, M.G., & Reeve, T.G. (1995). Subtended Angle May Not Be the Best Measure of Directional Accuracy Demands in Studies of Response Programming. North American Society for the Psychology of Sport and Physical Activity Annual Meeting, Monterey, California (Journal of Sport & Exercise Psychology, 17 (Supplement), S114).

Fischman, M.G., & **Yao, W.X.** (1995). Constraint on Grip-Selection: Minimizing Awkwardness. American Alliance for Health, Physical Education, Recreation and Dance, Portland, Oregon (Research Quarterly for Exercise and Sport, (Supplement) 66, 52).

Fober, G.W., & **Yao, W.X.** (1994). Developmental Differences among Age Groups of Male and Female Athletes and Non-athletes. North American Society for the Psychology of Sport and Physical Activity Annual Meeting, Clearwater, Florida.

Fischman, M.G., & **Yao, W.X.** (1993, June). Evidence against the Constraint Interpretation of Response Programming Delays. North American Society for the Psychology of Sport and Physical Activity, Brainerd, Minnesota.

Yao, W.X., Fischman, M.G., & Wang, Y.T. (1993, June). Motor Skill Acquisition and Retention as a Function of Average Feedback, Summary Feedback, and Performance Variability. North American Society for the Psychology of Sport and Physical Activity, Brainerd, Minnesota.

Fischman, M.G., & **Yao, W.X.** (1992, June). Programming Time and Movement Time as a Function of Unequal Distributions of Practice. North American Society for the Psychology of Sport and Physical Activity, Pittsburgh, Pennsylvania.

Yao, W.X. (1990). Application of Inter-Dissipation Theory in Physical Fitness Training. Asian Olympic Games Scientific Congress, Beijing, P.R. China.

PROFESSIONAL SERVICES

Academic Society Service

Grant Proposal Reviewer for: The Competition of Field Initiated Projects, the National Institute on Disability and Rehabilitation Research, 2008 – 2010; the Competition of Small Business Innovation Research, the National Institute on Disability and Rehabilitation Research, 2003 – 2010; the grant proposals of Switzer Research Fellow, the National Institute on Disability and Rehabilitation Research, 2003 – 2005**;**

Manuscript Reviewer for: Brain Research; Perceptual and Motor Skill; Journal of Gerontology; Research Quarterly for Exercise and Sport; Journal of Sport and Exercise Psychology; Biophysical Journal; Journal of Applied Physiology (USA); Neurorehabilitation and Neural Repair

University Level

UTSA Site Director of Joint Translational Science Ph.D. Program Committee (UT Health Science Center at San Antonio, UT Austin, UT School of Public Health, & UTSA) (2012 – 2014)

Member on: the University SCORE Review Committee (2008 – 2009); University Faculty Senate (2004 – 2008); the University's Graduate Council (2006 – 2008); Faculty Grievance Committee (2001 – 2003); the University's IRB Committee (2001 – 2002); the University's Parking and Traffic Committee (2001 – 2003)

College Level

Chair of College Faculty Review and Advising Committee (2006-2008)
Parliamentarian of College Council (2002 – 2003), COEHD
Member on: College Faculty Review and Advising Committee (2005-2006); Graduate Curriculum Committee (2005 - 2008); College Research and Development Committee (2004 - 2006); College Technology Committee (2006 – 2007); College Faculty Development Leave Committee (2007 – 2008); COEHD ad hoc Technology Committee (2002 – 2004); the Infrastructure Task Force Committee of the College (2000 – 2001)

Community Service

Member Leadership Team for San Antonio Metro Health's Obesity Prevention Program (2010 – 2012)
President San Antonio Chinese Alliance (San Antonio Chinese Scholar and Student Association) (2007-2008)