

CURRICULUM VITAE

Jing Chen, Ph.D.

CONTACT INFORMATION

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EDUCATION

- | | |
|------|---|
| 2018 | Ph.D. Kinesiology (Motor Neuroscience)
Department of Health & Kinesiology
Texas A & M University, College Station, Texas |
| 2008 | Ph.D. Kinesiology (Sport Psychology)
School of Sport Science
Shanghai University of Sport, Shanghai, China |
| 2002 | M.S. Exercise Physiology
College of Physical Education
Shanxi University, Shanxi, China |
| 1999 | B.S. Physical Education
College of Physical Education
Shanxi University, Shanxi, China |

RESEARCH INTEREST

Perceptual-motor skill Acquisition
Motor Development

WORK EXPERIENCE

University of Texas at Tyler

2025.9-currnet Associate professor of Kinesiology
School of Health Professions

Texas A&M University-Texarkana

2022.9-2025.8 Associate Professor of Kinesiology,
Coordinator of Kinesiology Program

Division of Health Professions
 2018.9-2022.8 Assistant Professor of Kinesiology
 Department of Kinesiology

Texas A & M University

2017-2018 Instructor of Record
 Department of Health and Kinesiology
 2013- 2017 Graduate Teaching Assistant
 Department of Health and Kinesiology
 2010-2011 Visiting Scholar
 Department of Health and Kinesiology

Shanghai University of Finance & Economics, Shanghai, China

2011-2013 Associate Professor
 Department of Physical Education
 2002-2010 Assistant Professor
 Department of Physical Education
 2002-2012 Director of Human Performance Laboratory

PROFESSIONAL ASSOCIATIONS

2018-Current American College of Sports Medicine (ACSM)
 2017-Current Society for Neuroscience (SFN)
 2013-Current North American Society for the Psychology of Sport and Physical
 Activity (NASPSPA)
 2013-2025 Huffines Institute for Sports Medicine & Human Performance,
 Texas A&M University

HONORS AND AWARDS

1. Texas A&M University
 Outstanding Graduate in the Department of Health & Kinesiology (2018)
2. Texas A&M University
 Outstanding Graduate in College of Education & Human Development (2018)

3. United States Professional Tennis Association (USPTA)
Texas Adult League Champions (2011)
4. Shanghai University of Finance & Economics
Outstanding Teacher Award (2010)
5. Shanghai University of Finance & Economics
Outstanding Teacher Award (2009)
6. Sport Science Congress of Shanghai
First-Grade Award (2007)
7. Sport Science Congress of the 7th Colleague Competition
Third-Grade Award (2004)
8. Shanghai University of Finance and Economics
Outstanding Teacher Award (2003)
9. Shanxi Provincial Education Commission
Excellent Graduate Thesis Award (2002)
10. National Contest on Basic Skills of Physical Education
First Place (1999)

MENTORING STUDENT

Texas A& M University

2013 Volz Christina

Project: Motor skill performance under high stress test environments

2015 Johnson Brandon

Project: examine the role of primary motor cortex on subsequent consolidation of sequence learning

Shanghai University of Finance & Economics

Qing Hu (Graduated in 2012, M.S.) Committee Chair

PUBLICATIONS

Peer-Reviewed Articles (Published)

1. **Chen, J.**, Roig, M., & Wright, D. L. (2020). Exercise reduces competition between procedural and declarative memory systems. *eNeuro*. doi: 10.1523/ENEURO.0070-20.2020
2. **Chen, J.**, McCulloch, A., Kim, H., Kim, T., Rhee, J., Verwey, W., Buchanan, J. B & Wright, D. L. (2020). Application of anodal tDCS at primary motor cortex immediately after practice of a motor sequence does not improve offline gain. *Experimental Brain Research*.1, 29-37. doi: 10.1007/s00221-019-05697-7.
3. Park, I., Buchanan, J. J., **Chen, J.**, & Wright, D. L. (2020) Motor and Spatial Representations of Action: Cortical Excitability in M1 after Training with a Bimanual Skill, *Experimental Brain Research*,238 (5), 1191-1202
4. Buchanan, J. J., Park, I., **Chen, J.**, Wright, D. L., & Mehta, R. K. (2018) Expert monitoring and verbal feedback influences on performance under stress, *Acta Psychologica*.186,39-46. doi:10.1016/j.actpsy.2018.04.009
5. Jo, J.S., **Chen, J.**, Riechman, S., Roig, M., & Wright, D. L. (2018). The protective effects of acute cardiovascular exercise on the interference of procedural memory. *Psychological Research*. doi.org/10.1007/s00426-018-1005-8
6. Kim, T., **Chen, J.**, Verwey, W. B., & Wright, D. L. (2017). Improving novel motor learning through prior high contextual interference training. *Acta Psychologica*, 182, 55-64. doi: 10.1016/j.actpsy.2017.11.005
7. Kim, T., Jimenez-Diaz, J., & **Chen, J.** (2017). The effect of attentional focus in balancing tasks: A systematic review with meta-analysis. *Journal of Human Sport and Exercise*, 12(2). doi: 10.14198/jhse.2017.122.22
8. Buchanan, J. J., Park, I., **Chen, J.**, Wright, D. L., & Mehta, R. K. (2017). Bimanual coordination patterns are stabilized under monitoring-pressure. *Experimental Brain Research*. doi: 10.1007/s00221-016-4869-0
9. Rhee, J.H., **Chen, J.**, Riechman, S., & Wright, D.L. (2016). An acute bout of aerobic exercise can protect offline motor sequence gains. *Psychological Research*, 80(4), 518-531.
10. Wright, D., Verwey, W., Buchanan, J., **Chen, J.**, Rhee, J., & Immink, M. (2016). Consolidating behavioral and neurophysiologic findings to explain the influence of contextual interference during motor sequence learning. *Psychonomic Bulletin & Review*, 23(1), 1-21. doi: 10.3758/s13423-015-0887-3
11. Hai, L., Mao, L. L., Zhang, J. J., Yin, W., Li, A., & **Jing, C.** (2012). Dimensions of problem gambling behavior associated with purchasing sports lottery. *Journal of Gambling Studies*, 28(1), 47-68.

12. Hai, L., Yin, W., Li, A., & **Jing, C.** (2011). Current Situation Investigation of Problem Gamblers of Chinese Sports Lottery. *Journal of Chengdu University of Sport*, 37 (5):9-13
13. Hai, L., Rui, T., Lei, L., & **Jing, C.** (2010). Review on the concept of problem gambler from sport lottery. *Journal of Shanghai University of Sport*, 34 (3): 23-28
14. **Chen, J.** (2009). Effects of task-related experience on the frequency of feedback. *Journal of China Sport Science and Technology*, 45(3):72-76
15. **Chen, J.**, Jing, Y.H., Zhang, J.C. (2008). The influence of task characteristics on the appropriate feedback frequency. *Journal of Shanghai University of Sport*, 32 (6): 48-51
16. **Chen, J.**, Jing, Y.H., Zhang, J.C. (2008). The effects of task complexity on the appropriate feedback frequency. *Journal of Tianjing University of Sport*, 23 (3): 212-216
17. **Chen, J.**, Zhang, J.C. (2008). Effects of feedback frequency on tracking task learning. *Journal of Wuhan University of Sport*, 42 (4): 50-53
18. Qiao DC, **Chen J.**, Wei GF. (2005). Bacterial communities structure dynamics in intestinal tract of long and middle distance runners by DNA fingerprinting analysis. *Journal of Chinese Sport Medicine*, 23(5):517-521
19. Qiao DC, Liu JY. **Chen J.** (2004). Bacterial communities in gastrointestinal tract of middle and long-distance runners. *Journal of Chinese Sport Medicine*, 23(6):613-616

Peer-Reviewed Conference Abstract (Presented at NASPSA Conference)

1. **Chen, J.**, Ren, J., Wright, D. L., (2025) The Influence of transcranial direct current stimulation (tDCS) on the Primary Motor Cortex in motor skill learning: a systematic review. NASPSA 2025, Lake Tahoe, CA, USA
2. **Chen, J.**, Wright, D. L., (2025) The impact of acute exercise on procedural memory: what we know and what we don't know. NASPSA 2025, Lake Tahoe, CA, USA
3. **Chen, J.**, Kim, H., Kim, T., Wright, D. L., (June 2018) An acute bout of exercise can protect procedural memory. NASPSA 2018, Denver, CO, USA
4. **Chen, J.**, Kim, H, Johnson, B., Wright, D. L., (2017). Examining the role of interhemispheric inhibition of primary motor cortex on subsequent consolidation of sequence learning. *Journal of Sport & Exercise Psychology*, 39

5. **Chen, J.**, McCulloch, A., Park, I., Buchanan, J., Kim, T., Wright, D. L., (2017). The role of primary motor cortex on consolidation during motor sequence learning. *Journal of Sport & Exercise Psychology*, 39
6. Jo, J.S., **Chen, J.**, & Wright, D.L. (2016). Independent contribution of acute exercise to protection of new procedural memory. *Journal of Sport & Exercise Psychology*, 38
7. Kim, T., **Chen, J.**, & Wright, D.L. (2016). Impact of prior random practice on the development of initiation, concatenation, and execution process associated with new motor sequence learning. *Journal of Sport & Exercise Psychology*, 38
8. **Chen, J.**, Kim, T., Jo, J.S., & Wright, D.L. (2016). Contextual interference effect on motor chunking. *Journal of Sport & Exercise Psychology*, 38
9. Buchanan, J.J., Park, I., **Chen, J.**, & Wright, D.L. (2016). Proactive influences in the coordination dynamics of bimanual patterns. *Journal of Sport & Exercise Psychology*, 38
10. Park, I., **Chen, J.**, Buchanan, J.J., Wright, D.L., Mehta, R., Rhee, J., & Verwey, W.B. (2016). Monitoring-pressure enhances the coordination tendencies of bimanual actions. *Journal of Sport & Exercise Psychology*, 38
11. **Chen, J.**, Bhatia, S., & Wright, D.L. (2015). Examining the locus of offline enhancement for pre-structured motor sequences. *Journal of Sport & Exercise Psychology*, 37
12. Buchanan, J.J., Park, I., **Chen, J.**, Mehta, R., & Wright, D.L. (2015). Bimanual coordination dynamics under social pressure. *Journal of Sport & Exercise Psychology*, 37
13. **Chen, J.**, Rhee, J., & Wright, D.L. (2014). Verifying the impact of monitoring stress on motor sequence performance. *Journal of Sport & Exercise Psychology*, 36
14. Wright, D.L., **Chen, J.**, Volz, C., & Rhee, J-H. (2013). Procedural skill performance in high stress test environments. *Journal of Sport & Exercise Psychology*, 35
15. Li, Y.H., M, H., Rhee, J., **Chen, J.**, Lv, J.D., & Wright, D. L. (2012). Do offline performance improvements emerge in both implicit and explicit learning environments? *Journal of Sport & Exercise Psychology*, 34

Peer-Reviewed Conference Abstract (Presented at Society for Neuroscience)

1. McCulloch, A., Park, I., **Chen, J.**, Buchanan, J., Wright, D. L., (November 2018). Corticospinal excitability changes after training suggest implicit coding of a bimanual motor skill. Neuroscience 2018, San Diego, CA, USA

2. **Chen, J.**, Kim, H., Kim, T., McCulloch, A., Park, I., Buchanan, J., Wright, D. L., (November, 2017) Failure to enhance post practice consolidation during motor sequence learning using anodal tDCS. Neuroscience 2017, Washington, DC, USA
3. McCulloch, A., Park, I., **Chen, J.**, Kim, H., Kim, T., Nazifi, M., Buchanan, J., Wright, D. L., (November, 2017) Anodal transcranial direct current stimulation impacts the underlying control process in bimanual movements. Neuroscience 2017, Washington, DC, USA

Peer-Reviewed Conference Abstract (Presented at Society for ACSM)

1. **Chen, J.**, Liu, J.L., Wright, D. L., (June 2019) Exercise-Induced Upregulation of M1 Excitability following Motor Practice Does Not Predict Procedural Consolidation. ACSM 2019, Orlando, FL, USA

OTHER PRESENTATIONS

1. **Chen, J.**, Wright, D.L. Kim, H., Kim, T., (May, 2017) Anodal tDCS stimulation on primary motor cortex does not enhance consolidation during motor sequence learning. 9th annual neuroscience symposium, Texas A & M Institute for Neuroscience, College Station, Texas, USA
2. McCulloch, A., Park, I., **Chen, J.**, Kim, H., Kim, T., Nazifi, M., Buchanan, J., Wright, D. L., (May, 2017) Anodal tDCS influences the control process underling bimanual movements. 9th annual neuroscience symposium, Texas A & M Institute for Neuroscience, College Station, Texas, USA

GRANTS

FUNDED Grant Applications – External

1. Science Foundation of the Ministry of Education of China(2013), Aerobic exercise effect on procedural memory (**PI**), Grant No.13YJC890006, ¥ 80,000
2. State Key Motor Behavior Laboratory, Shanghai University of Sport (2014), The role of supplementary cortex during motor sequence learning (**Co-PI**) with Dr. Jie Ren at Shanghai University of Sport, China, ¥ 100,000

FUNDED Grant Applications - Internal

1. Texas A&M University-Texarkana (FRED 2021)
The role supplementary motor region on learning novel motor skill following interleaved and repetitive practice schedules
\$3000

2. Texas A&M University-Texarkana (FRED 2019)
An acute bout of exercise effect on protecting declarative memory consolidation
\$3000
3. College of Education & Human Development
Student Research Grant (2017)
The effect of acute bout of exercise on protecting motor memory-the role of motor cortex
\$500
4. Huffines Institute for Sports Medicine and Human Performance
Student Travel Grant (2017)
\$800
5. College of Education & Human Development,
Student Travel Grant (2017)
\$500
6. College of Education & Human Development
Student Research Grant (2016)
The role of primary motor cortex on consolidation during motor sequence learning
\$1,000
7. College of Education and Human Development
Student Travel Grant (2016)
\$500
8. College of Education & Human Development
Student Research Grant (2015)
Context interference effect on the development of motor chunk during sequence learning
\$750
9. College of Education and Human Development
Student Travel Grant (2015)
\$500
10. College of Education & Human Development
Student Research Grant (2014)
Examining the locus of offline enhancement for pre-structured motor sequences
\$1,000
11. Office of Graduate and Professional Studies
Student Travel Grant (2014)
\$500
12. College of Education and Human Development

Student Travel Grant (2014)
\$500

13. College of Education & Human Development
Student Research Grant (2013)
Procedural skill performance in high stress test environments
\$1,000

14. College of Education and Human Development
Student Travel Grant (2013)
\$500

SCHOLARSHIPS

2014 Health & Kinesiology Competitive Scholarship, Texas A& M University. \$1000

2010 Young Outstanding Teacher Oversea Training, China Scholar Council, China, \$22,000