

**JEMIN KIM**  
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September 1, 2022

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## **EDUCATION**

- Ph.D. 2018 Kinesiology (Biomechanics & Motor Behavior) – Texas Woman’s University, TX, USA  
Dissertation: A Biomechanical Comparison of Successful and Unsuccessful Triple-Turn *Pirouette en Dehors* Trials in Ballet  
Advisor: Young-Hoo, Kwon
- MS 2005 Dance and Fine Arts- SeJong University, Seoul, Korea  
Thesis: A study of stage lighting in pirate  
Emphasis: Dance  
Advisor: Cha-Young, Suh
- BS 2001 Dance and Fine Arts– SeJong University, Seoul, Korea  
Program: Dance  
Emphasis: Ballet

## **EMPLOYMENT**

- 2022 - Current Assistant Professor, Department of Kinesiology & Health Science, Shreveport, Louisiana State University Shreveport, USA
- 2019 - 2022 Assistant Professor, Department of Kinesiology, Las Cruces, New Mexico State University, USA
- 2018 - 2019 Postdoctoral, Research Associate, Department of Kinesiology, Biomechanics & Motor Behavior, Denton, Texas Woman’s University, USA
- 2014 - 2017 Graduate Teaching (Research) Assistant, Denton, Texas Woman’s University, USA
- 2008 - 2008 Physical Therapy (Internship), Dong-Shin Hospital, Seoul, Korea
- 2000 - 2008 Dancing master, The Korean Ballet Theatre, Seoul, Korea
- 2003 - 2004 Chief Manager, The Korean Society of Dance, Seoul, Korea
- 2003 - 2004 Adjunct Instructor, SeJong University, Seoul, Korea
- 2003 - 2003 Adjunct Instructor, KookMin University, Seoul, Korea



## **PROFESSIONAL CERTIFICATION/LICENSURE**

- 2018 Kwon's Golf Biomechanics Instructor Training Program (Level 2-Applied) Certificate
- 2015 Kwon's Golf Biomechanics Instructor Training Program (Level 1-Fundamental) Certificate
- 2014 American Heart Association (AHA), BLS for Healthcare Providers certificate
- 2011 Heart saver First Aid CPR & AED, American Heart Association
- 2009 The national institutes of Health (NIH), Extramural research certifies
- 2004 Russia Vaganova Ballet Teaching Method, Universal Ballet Theatre in Seoul, Korea, Certificate of Russia Vaganova teaching Method 1 to 6 levels

## **FUNDING**

- 2021 College of Education Emerging Scholars Initiative Grant at New Mexico State University (Tier-II Funded; \$3,000.00 USD).
- 2018 Texas Woman's University; Principle Investigator in student travel fund, travel to Tokyo, Japan, to attend the Forum on top Global University Project: Formulating an International Academic Network in Health and Exercise Science (Full-funded; \$3,000.00 USD)
- 2012 Texas Woman's University; Principle Investigator in student travel fund, travel to Novotel Singapore Clarke Quay, Singapore, to attend the 22<sup>nd</sup> Annual Meeting of the International Association for Dance Medicine & Science (Full funded; \$2,000.00 USD)

## **HONORS AND AWARDS**

- 2018 Kinesiology Outstanding Doctoral Student Award at the Texas Woman's University
- 2017 Chancellor's Student Research Scholar Award at the Texas Woman's University
- 2017 Texas Woman's University Biomechanics Scholarship Awarded (\$1,000.00 USD)
- 2016 Texas Woman's University Biomechanics Scholarship Awarded (\$1,000.00 USD)
- 2016 Texas New-Song church in Dallas Scholarship Awarded (\$1,000.00 USD)
- 2015 Texas Woman's University Biomechanics Scholarship Awarded (\$1,000.00 USD)
- 2014 Texas Woman's University Biomechanics Scholarship Awarded (\$1,000.00 USD)
- 2000 Award-Seoul Dance Contest (Gold medal)
- 2000 SeJong Excellence Scholarship
- 2000 SeJong Study-work Scholarship

1999            SeJong Study-work Scholarship  
1997            SeJong General Scholarship

## **ADVISING**

### **Doctoral Committee, New Mexico State University**

Cabel McCandless, Doctoral Student (In Progress)

Zamina Amin, Doctoral Student (In Progress)

## **PUBLICATIONS**

### **Peer Reviewed Manuscripts**

**Kim, Jemin.**, & Kim, K-J. (2021). Analysis of the kinematic sequence on the rotation of *pirouette en dehors* motion in ballet. *Korean Society of Dance Science*. 38, 1-14.

Han, K., Como, C., **Kim, Jemin.**, Hung, C.-J., Hasan, M., & Kwon, Y.-H (2019). Effects of the pelvis-shoulders torsional separation style on the kinematic sequence observed in golf driving, *Sports Biomechanics*. 18, 663-685.

Han, K., Como, C., **Kim, Jemin.**, Lee, S., Kim J-W., Kim D-K., & Kwon, Y.-H (2019). Effects of the golfer-ground interaction on clubhead speed in skilled male golfers, *Sports Biomechanics*. 18, 115-134.

Kim, J-W., Han, K., **Kim, Jemin.**, Lee, S., Kwon, M.-S., & Tuttle, N. J. (2018) The effect of skill level difference on trunk, pelvis, and supporting leg kinematics in Taekwondo roundhouse kicks, *Taekwondo Journal of Kukkiwon*. 9, 219-234.

**Kim, Jemin.**, Kim, J-H., Kim, K-J., & Suh, C-Y. (2015). Analysis of the kinematic sequence on the *grand jeté en tournant* motion in ballet, *Dance Research Journal of Korea*. 73, 17-32.

Lee, S., Davis, R., Judge, L. W., Kwon, Y.-H., Han, K., **Kim, Jemin.**, Kim, J-W., & Kim, J-H. (2015). Gender-Based correlation profiles among the release factors and distance thrown in Paralympic seated shot put, *Adapted physical activity quarterly*. 32, 318-330.

Singhal, K., **Kim, Jemin.**, Casebolt, J., Lee, S., Han, K., & Kwon, Y.-H. (2015). Gender difference in older adult's utilization of gravitational and ground reaction force in regulation of angular momentum during stair descent, *Human movement science*. 41, 230-239.

**Kim, Jemin.**, Wilson, A. M., Singhal, K., Gamblin, S., Suh, C.-Y., & Kwon, Y.-H. (2014). Development of the longitudinal angular momentum in single-, double-, and triple-turn *pirouette en dehors*, *Sports Biomechanics*. 13, 215-229.

Singhal, K., **Kim, Jemin.**, Casebolt, J., Lee, S., Han, K., & Kwon, Y.-H. (2014). Kinetic comparison of older men and women during walk-to-stair descent transition, *Gait & Posture*. 40, 600-604.

### **Manuscripts Under Review**

Lee, S., Kim, J-W., Han, K., Kim, D., M, Hasan, M., **Kim, Jemin.**, Ko, M., & Kwon, Y.-H (2022). Effects of foot placement on resultant joint moments in the lower extremity joints during the squat, *The Journal of Strength and Conditioning Research*. (Under review)

Levine, N., Baek, S., Tuttle, N., Alvis, H., Hung, C., Sokoloski, M., **Kim, Jemin.**, Mark, H., Lee, S., Rigby, B., and Kwon, Y-H. (2022). Biomechanical effects on lower-body extremities during a maximum effort kettlebell swing protocol. *Sports Biomechanics*. (Under review)

### **Manuscripts In Progress**

**Kim, Jemin.**, Levine, N., Kim, K-J., & Lee, S. (2022). A study on the flexibility effect of a 24-week beginner ballet class on novice dancers. *International Association for Dance Medicine & Science*. (Draft completed)

**Kim, Jemin.**, Levine, N., & Kim, J-H. (2022). Effects of fifth foot position type on *Tour En l'air* turn motion in ballet. *International Association for Dance Medicine & Science*. (In progress)

**Kim, Jemin.**, Levine, N., Kim, J-H., & Margaret A. Wilson. (2022). A biomechanical comparison of center of mass and precession angle pattern in *pirouette en dehors* ballet turn motion. *International Association for Dance Medicine & Science*. (Draft completed)

### **ABSTRACT AT PROFESSIONAL MEETINGS (10+)**

Medina, M., Kim, S-J., Miller, A., Delgado, R., **Kim, Jemin.**, Chang, J. (2022). Health Disparities of palliative care and healthcare utilization among lung cancer patients in U.S. Hospitals during 2010~2014; Evidence from the US Hispanic population [Abstract]. *American Association for Cancer Research, 12<sup>th</sup> AACR-JCA joint Conference: Breakthroughs in Cancer Research-Translating Knowledge into Practice, Maui, Hawaii*. (Submitted)

**Kim, J.**, Suh, C-Y., Lee, S., Han, K., Levine, N. A., Kim, J., Hasan, M., Becker, K., & Kwon, Y.-H. (2018). A biomechanical comparison of triple-turn *pirouette en dehors* trials between successful and unsuccessful dancers in ballet [Abstract]. *Forum on top Global University Project: Formulating an International Academic Network in Health and Exercise Science at Waseda University, Tokyo, Japan*.

**Kim, J.**, Suh, C-Y., Lee, S., Han, K., Kim, J., & Kwon, Y.-H. (2016). Comparison of

triple *pirouette* turn motion between successful and unsuccessful conditions in ballet [Abstract]. *South Central American Society of Biomechanics conference at Texas Woman's University, Denton, TX.*

Avalos, M., Hasan, M., Hung, C., Han, K., **Kim, J.**, Nunez-Jr, M, Levine, N., & Kwon, Y.-H. (2016). Effects of “All-Terrain rollator” on lower extremity kinetics in walking. [Abstract]. *South Central American Society of Biomechanics conference at Texas Woman's University, Denton, TX.*

Singhal, K., **Kim, J.**, Lee, S., Han, K., Casebolt, J., & Kwon, Y.-H. (2014). Gender differences in how older adults regulate angular momentum during stair descent [Abstract]. *Biomedical Engineering Society. San Antonio, TX.*

Han, K., Como, C., Lee, S., **Kim, J.**, Kim, J., Kim, D., Hasan, M., & Kwon, Y.-H. (2014). Associations between maximum club-head speed and select GRF and moment parameters in skilled golfers [Abstract]. *South Central American Society of Biomechanics. Dallas, TX.*

Kim, J., **Kim, J.**, Lee, S., Han, K., & Kwon, M.-S. (2013). Arm and leading shoulder motions for different target positions during Taekwondo roundhouse kicks [Abstract]. *The Journal of International Association for Taekwondo conference at Puebla Mexico.*

Lee, S., Han, K., Kim, J., **Kim, J.**, Kim, J., Davis, R., & Kwon, Y.-H. (2013). Biomechanical analysis of the shot-put event at 2012 U.S. Paralympic trials in track and field: Comparison of male and female athletes [Abstract]. *South Central American Society of Biomechanics Conference at Texas Woman's University, Dallas, TX.*

**Kim, J.**, Wilson, M., Gamblin, S., Suh, C-Y., & Kwon, Y.-H. (2012). Development of the longitudinal angular momentum in single-, double-, and triple-turn *pirouette en dehors* [Abstract]. *The International Association for Dance Medicine and Science at Singapore.*

**Kim, J.**, Wilson, M., Gamblin, S., Suh, C-Y., & Kwon, Y.-H. (2012). Development of the longitudinal angular momentum in single-, double-, and triple-turn *pirouette en dehors* [Poster]. *The National Center for Human Performance. Houston, TX.*

Han, K., Como, C., Singhal, K., Lee, S., **Kim, J.**, Kim, J., & Kwon, Y.-H. (2012). Analysis of the trunk/shoulder complex motion during the golf drives using a 5-segment trunk/shoulder model [Abstract]. *The National Center for Human Performance. Houston, TX.*

Han, K., Como, C., Singhal, K., Lee, S., **Kim, J.**, Kim, J., & Kwon, Y.-H. (2012). Analysis of the trunk/shoulder complex motion during the golf drives using a 5-segment trunk/shoulder model [Abstract]. In E. J. Bradshaw, A. Burnett & P. A. Hume (Eds.), *Scientific Proceedings of the 30<sup>th</sup> International Society of Biomechanics in Sports Conference* (pp. 59–62). Melbourne, Australia: Australian Catholic University.

Kim, J-W., **Kim, J.**, Lee, S., Han, K., & Kwon, Y.-H. (2010). The effect of target height

on the trunk, pelvis, and thigh kinematics in the Taekwondo roundhouse kick [Abstract].  
*South Central American Society of Biomechanics conference at Texas Woman's University, Denton, TX.*

### **PERFORMANCES/ACTIVITES/SERVICE**

2021 - Current	Guest Review editor, Journal of Plos One.
2020 - Current	Biomechanics/Sports Rehabilitation/Athletic Training Part (Committee chair), Journal of Health, Sports, and Kinesiology (JOHSK).
2020 - Current	Guest Review editor, Journal of Applied Biomechanics.
2021 - 2022	Kinesiology Club, Advisor, New Mexico State University, Las Cruces. NM.
2020 - 2022	Academic Affairs Committee (College), New Mexico State University, Las Cruces. NM.
2020 - 2022	Research and Creativity Social Sciences Judge (University), New Mexico State University, Las Cruces. NM.
2019 - 2022	Search Committee (Department), New Mexico State University, Las Cruces. NM.
2019 - 2020	Space Committee (College), New Mexico State University, Las Cruces. NM.
2014	<i>South Central American Society of Biomechanics. Dallas, TX. Conference, Moderator.</i>
2012	London Paralympic trials "Track & Field" United States team, media-biomechanics crew, Jun 29 -Jul 01, 2012
2005	Korean ballet theatre, Creation ballet "Mongyudowondo".
2004	Korean ballet theatre, Travel with ballet festival "Raymonda".
2004	Korean ballet theatre, Ballet Festival in summer Night "La bayadere".
2004	Private exhibition "Oedipus's Excuse".
2004	Korean ballet theatre, Ballet Modern Dance Traditional Dance "Baroque dance".
2003	Korean ballet theatre, Winter Travel with ballet "Don Quixote".
2003	Korea Dance & World Dance.
2003	Private exhibition University Dance Festival.
2000	Korean ballet theatre, Millennium ballet festival at San-Francisco. "La bayadere" 1999 Universal Ballet theatre.
1996	American Ballet Theatre (Guest dancer) "Swan Lake" "Gisele".
1995	Korea National Ballet Theater, "Nutcracker".

### **LANGUAGE**

Fluent in Korean and Japanese