

KYOUNGYOUN (ANNE) PARK-BRASWELL

University of North Carolina at Greensboro
Department of Kinesiology, Ph.D. Candidate
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EDUCATION

Doctor of Philosophy (PhD) in Kinesiology August 2016 – May 2020 (expected)
Concentration: Applied Neuromechanics
University of North Carolina Greensboro | Greensboro, NC

Master of Science in Athletic Training May 2015
South Dakota State University | Brookings, SD

Bachelor of Physical Education in Adapted Physical Education August 2010
Minor: Social Welfare
Hanshin University | Osan-si, Republic of Korea

ACADEMIC TEACHING EXPERIENCE

Teaching Assistant

Department of Kinesiology, UNC Greensboro | Greensboro, NC

KIN634 Athletic Training Foundation

- Assist primary instructor in lecture and lab instruction
- Taught topic included acute care, therapeutic intervention, and taping/wrapping as a primary instructor
- Semesters instructed: Summer 2019

KIN291 Anatomy lab

- Taught anatomy lab for Kinesiology department as a primary instructor
- Approximately 30 students per section
- Semesters instructed: Fall 2017 – Fall 2019 (5 semesters)

KIN291 Anatomy lecture

- Taught as a primary instructor as needed, manage open lab schedule, and organize the lecture grading
- Approximately 150 students per section
- Semesters instructed: Fall 2017 – Present (6 semesters)

KIN272 Tae Kwon do

- Taught Hapkido (Korean Martial arts) for activity course in Kinesiology department as a primary instructor
- Approximately 30 students per section
- Semesters instructed: Fall 2016, Spring 2017 (2 semesters)

KIN150 Swimming

- Taught swimming for non-swimmer and beginning swimmer class for activity course in Kinesiology department as a primary instructor
- Approximately 20 students per section
- Semesters instructed: Fall 2016, Spring 2017 (2 semesters)

Department the Health and Nutritional Science Department South Dakota State University | Brookings, SD

PE 354: Prevention and Care of Athletic Injury

- Assisted primary instructor in teaching splinting and taping labs
- Semesters instructed: Fall 2014-Spring 2015

RESEARCH EXPERIENCE

Research Assistant

Department of Kinesiology & Gateway MRI Center, UNC Greensboro

August 2016 – Present

Skills Utilized

- Measurement of biomechanical testing using 3D motion capture and force platforms MRI scanning
- MRI Level IV operator: Independent Operator of 3T MR Scanner
- Analyzing fMRI data using FSL; analyzing structural MR data using g FreeSurfer for structural images
- Development and validation of novel MR Safe Joint Loading Investigation Device

South Dakota State University | Brookings, SD

August 2014 – May 2015

- Assisted with coordinating and delivering baseline and post-concussion testing for high school student-athletes
 - The measurements include the ImpACT computerized neurocognitive software, the Balance Error Scoring System (BESS), and the Stability Evaluation Test (SET) of the VSR Sport.
- Responsible for data organizing and entering

CONFERENCE PRESENTATIONS

National

1. **Park-Braswell K**, Jung Y, Shultz SJ, Schmitz RJ. "Brain Activation During Anterior Knee Joint Loading." Poster presentation at: 2019 National Athletic Trainers Association Annual Meeting and Clinical Symposium; June 2019; Las Vegas, NV
2. **Park-Braswell K**, Grooms DR, Schmitz RJ. "Neural Correlates of Lower Extremity Force Control Using A Novel MR Compatible Device." Poster presentation at: ACL Retreat VIII; March 2019; Greensboro, NC
3. Shultz SJ, Anderson T, Wideman L, **Park-Braswell K**, Schmitz RJ. "Relationships Between Anterior Cruciate Ligament Structural Properties and Inter-Subject Variability in Anteroposterior Knee Laxity Across the Menstrual Cycle and During Exercise in Physically Active Females." Presentation at: ACL Retreat VIII; March 2019; Greensboro, NC
4. Schmitz R, **Park K**, Raisbeck LD, Wilking RW, Grooms DR, Rhea CK, Shultz SJ, "Changes in Brain Function During Knee Extension Exercise Following 8 Weeks of Attentionally Focused Neuromuscular Training," . J Athl Train 2018 52(6s) S99. 42 National Athletic Trainers Association Annual Meeting and Clinical Symposium, June 2018
5. **Park K**, Ksiazek T, & Olson B. "Effectiveness of Vestibular Rehabilitation Therapy for Treatment of Concussed Adolescents with Persistent Symptoms of Dizziness and Imbalance." Poster presented at: National Athletic Trainers Association Annual Meeting and Clinical Symposium; June, 2017; Houston, TX

In review

6. **Park-Braswell K**, Raisbeck LD, Rhea CK, Shultz SJ, Grooms DR, Schmitz RJ. "Sex-Specific Brain Activation During Single-Leg Movements." 2020 National Athletic Trainers Association Annual Meeting and Clinical Symposium (submitted)
7. Schmitz RJ, **Park-Braswell K**, Raisbeck LD, Grooms DR, Shultz SJ, Rhea C.K., Wilkins R.W., Neural Correlates of Knee Extension Exercise and Single Leg Hop following 8 Weeks of Attentionally Focused Neuromuscular Training. 2020 National Athletic Trainers Association Annual Meeting and Clinical Symposium (submitted).

Regional

1. **Park-Braswell K**, Shultz SJ, Rosee SE, Sunnassee D, Grooms DR, Schmitz RJ. "Brain Activation in Individuals with High Risk of ACL Injury." Presentation at; Final Round of Webinar Worth Watching Research Presentation Competition at UNC Greensboro; February 2020; Greensboro, NC (2nd place)
2. **Park-Braswell, K.**, Jung, Y., Shultz, S.J., Schmitz R.J. "Brain Activation During Anterior Knee Joint Loading." Poster presentation at: Human Movement Science Curriculum; March 2019; Chapel-Hill, NC

3. **Park-Braswell K.** “Understanding the Influence of Joint Loading on Brain Function.” Presentation at; Final Round of 3 Minute Thesis Presentation Competition at UNC Greensboro; October and November 2018; Greensboro, NC
4. **Park K,** Raisbeck LD, Rhea CK, Shultz SJ, Schmitz RJ. “Sex Differences in Brain Function during Single-Leg Exercise.” Oral presentation at: Human Movement Science Curriculum; March 2018; Chapel-Hill, NC
5. **Park K,** Raisbeck LD, Rhea CK, Shultz SJ, Schmitz RJ. “Sex Differences in Brain Function during Leg Exercise.” Oral presentation at: UNCG Expo; April 2018; Greensboro, NC
6. **Park-Braswell K,** Shultz SJ, Ross SE, Sunnassee D, Grooms DR, Schmitz RJ. “Brain Activation in Individuals with Higher Risk of ACL Injury.” Presentation at (won 2nd place): Final Round of Webinars Worth Watching at UNC Greensboro; January 2020; Greensboro, NC

PUBLICATIONS

1. **Park K,** Ksiazek T, Olson B. Effectiveness of Vestibular Rehabilitation Therapy for Treatment of Concussed Adolescents with Persistent Symptoms of Dizziness and Imbalance. *J Sport Rehab.* May 2017:1-12.

In preparation

1. **Park-Braswell K,** Schmitz RJ. Meta-analysis of brain activation during lower limb movement tasks in healthy individuals
2. **Park-Braswell K,** Raisbeck LD, Rhea CK, Shultz SJ, Schmitz RJ. Sex Differences in Brain Function during Leg Exercise.
3. Schmitz RJ, **Park-Braswell K,** Raisbeck LD, Wilking RW, Grooms DR, Rhea CK, Shultz SJ. Changes in Brain Function During Knee Extension Exercise Following 8 Weeks of Attentionally Focused Neuromuscular Training

RESEARCH GRANTS & AWARDS

1. NATA Research and Education Foundation, Doctoral Research Grant (2019) “The impact of differential knee laxity on brain function during knee joint loading”. Role: PI, \$2,500
2. The Graduate School at UNC Greensboro, Summer Research Assistantship (2019) “The impact of different knee laxity on brain function during knee joint loading”. Role: PI, \$2,000
3. The Graduate School at UNC Greensboro, Summer Research Assistantship (2018) “Brain function during the knee joint loading”. Role: PI, \$2,000
4. UNC Greensboro Office of Research and Economic Development, Strategic Seed Grant (2017-2018) “Neural Correlates of Motor Transference”. Role: Graduate Research Assistant
5. UNC Greensboro Office of Research and Economic Development, Regular Faculty Grant (2017-2018) “The effect of Exercise and Ligament Quality on Knee laxity Variability across the Menstrual Cycle”. Role: Graduate Research Assistant, \$8,500
6. The Graduate School at UNC Greensboro, Summer Research Assistantship (2017) “The Role of Knee Laxity in Neural Correlates of a Leg Press Exercise”. Role: PI, \$2,000
7. Hanshin University Merit Scholarship
 - 2006 FA (30% of tuition), 2007 SP (30% of tuition), 2007 FA (50% of tuition), 2009 SP (30% of tuition), 2009 FA (30% of tuition), 2010 SP (30% of tuition)

PROFESSIONAL SERVICE

- 2019 - 2020 Volunteer athletic trainer, Western Rockingham Middle School Wrestling Team, Mayodan, NC
- 2018, 2019 UNCG Science Every Where, Greensboro, NC

CLINICAL CERTIFICATIONS

Certified Athletic Trainer Board of Certification	June 2015
Korean Association of Certified Exercise Professional	March 2010
Korea Special School Teacher of Physical Education	
Korean Ministry of Education & Human Resrouce Development	August 2010
Grade III of Bodybuilding The Republic of Korea Ministry of Culture & Tourism	August 2010
Sports Massage Certification Korea Rehabilitation Recreation Association	December 2006

ATHLETIC TRAINING EXPERIENCE (US)

Assistant Athletic Trainer July 2015 – May 2016

High Point University | High Point, NC

- Athletic Trainer directly responsible for the medical care of Cross Country and Track & Field
- Injury assessment, rehabilitation, treatment with various modalities, baseline, and post-concussion test, concussion evaluation and return to play, physician referral, and organizing Pre-participation Physical Examination (PPE).
- Preceptor for athletic training student in the undergraduate athletic training education program
- Equipment maintenance for the athletic training facility
- Records keeping of staff continuing education and presentation
- Maintenance of staff CPR

ATHLETIC TRAINING EXPERIENCE (SOUTH KOREA)

Athletic Trainer May 2011 – June 2013

Bareun-Sesang Sports Rehabilitation Center | Boondang-si, Republic of Korea

- Assessed injuries and provided rehabilitation treatments for pre- and post-surgical patients, injured athletes, and orthopedic injuries
- Implemented manual therapy techniques including stretching, joint mobilization, resisted exercise, massage, and sling exercise therapy
- Provided the schroth method of exercise for scoliosis and kyphosis patients
- Tested strength of knee, shoulder, elbow, back, and neck with Schnell M3 testing equipment and compare strengthening before and after rehabilitation treatment
- Performed pedorthic assessment, gait studies with TPScan foot scanner, and foot impression for customized orthotics.
- Supervised observation and internship students

ADDITIONAL PROFESSIONAL EXPERIENCE

Research Assistant & Physical Activity Courses Instructor August 2010 – April 2011

YOU&I Center Sports Science Laboratory | Hawseung-si, Republic of Korea

- Assessed senior physical strength and nutrition
- Tested 3D posture, growth plate x-ray, and physical strengthening
- Taught seniors group stretching classes
- Taught women's and children's physical strengthening classes

Instructor of Physical Activity Class for Special Need Kids and Elders

Byungjum Elementary School | Hawseung-si, Republic of Korea March 2013 – July 2013

- Taught physical activity after school class for special need kids as a primary instructor

Suwon Youth Foundation | Suwon-si, Republic of Korea March 2009 – July 2010

- Taught physical activity class for special need elementary kids as a primary instructor

Hanshin University | Osan-si, Republic of Korea March 2006 – December 2007; 2009

- Taught physical activity class for special need elementary kids as a primary instructor

Hwasung-si Community Health Center | Hawseung-si, Republic of Korea

Taught underwater physical activity class for elders in rural areas September 2007 – December 2007