CURRICULUM VITAE
Kimberly A. Fournier, Ph.D.
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EDUCATION

Ph.D. University of Florida, Gainesville, Florida (2002-2008)
Major: Health and Human Performance
Specialization: Biomechanics
Dissertation Title: "Static and Dynamic Balance Control in Children with Autism Spectrum Disorders."

M.H.K. University of Windsor, Windsor, Ontario, Canada (2000-2002)
Major: Human Kinetics
Specialization: Biomechanics
Thesis Title: "Force attenuating characteristics of ice hockey shin guards: An investigation of the knee and tibial sections of varying quality shin guards."

B.Sc. Concordia University, Montreal, Quebec, Canada (1996-1999)
Major: Exercise Science
Specialization: Athletic Therapy

HONORS &AWARDS

1. Outstanding New Faculty Research Award, *nominee,* 2010, 2011. College of Education, The University of Texas-Pan American.

2. Outstanding International Student Award ***recipient,*** 2007. College of Health and Human Performance, University of Florida, 2007.

3. Graduate Student Teaching Award ***recipient,*** 2006. University wide award available to graduate student teachers, University of Florida

4. The Norma M. Leavitt Graduate Scholarship ***recipient,*** 2003. The College of Health & Human Performance Scholarship, University of Florida.

5. The University of Florida, Health & Human Performance Scholarship ***recipient,*** 2002. The College of Health and Human Performance scholarship, University of Florida.

6. The University of Windsor Summer Research Scholarship ***recipient,*** 2002. University wide award, available to graduate students in their final semester with outstanding academic achievements.

7. The Human Kinetics Graduate Alumni Award ***recipient,*** 2002. Awarded to outstanding graduate students in the field of human kinetics, University of Windsor.

8. The University of Windsor Postgraduate Tuition Scholarship ***recipient,*** 2001-2002. University wide award, available to graduate students with outstanding academic achievements.

EXPERIENCE IN INSTRUCTIONAL/EDUCATION/FACULTY DEVELOPMENT

Synthesis of Instructional Design in STEM prior to UNM: I have been responsible for restructuring/redesigning undergraduate STEM courses (human anatomy, biomechanics) with the goal improving undergraduate education, classroom pedagogy, and student success. I have restructured face-to-face courses to resemble augmented and hybrid delivery formats. Using a learner-centered framework, I have implemented evidence-based pedagogical techniques in my classroom aimed at underscoring relevancy and promoting meaningful learning (e.g. flipped classroom, active learning activities, metacognitive reflection, etc.). I have introduced innovative assessments techniques (collaborative, two-stage exams) designed to improve retention of information and reducing test-anxiety. I am highly motivated to assess the efficacy of teaching interventions using empirical evidence while at the same time seeking ways to quantify the extent to which learning goals have been met.

Synthesis of Peer/Faculty Development prior to UNM: Peer mentoring has provided numerous opportunities to share my expertise with my colleagues and serve as a role model for a gradual evolution in teaching style, to include more learner-centered practices. I have contributed to panel discussions on "*What I wish I had known!*" for incoming faculty. I have provided incoming faculty members with innovative strategies and tools for teaching (designed workshop: *Two-Stage exams for improved learning*). The results of my pedagogical interventions have been presented intramurally, through invited poster and podium presentations. I have mentored colleagues/faculty interested in implementing similar interventions in their classrooms. Most recently, I have co-facilitated a high-impact teaching, semester-long seminar series for faculty interested in learner-centered teaching practices. The results of my pedagogical interventions have also been presented extramurally, at national scientific conferences, as part of an invited workshop on course redesign, and in peer-reviewed journals focused on the Scholarship of Teaching and Learning (SoTL).

1. Associate Director, Center for Teaching Excellence (June 2018 – Present)
   Center for Teaching Excellence, University of New Mexico
   Albuquerque, NM

   Responsibilities: facilitating workshops and consulting with faculty, lecturers, and teaching assistants on evidence-based teaching techniques aimed at promoting meaningful learning.

2. Caulkins, J. & **Fournier, K.** (2017, September-December). High Impact Teaching Seminar. Co-facilitated a 7 session seminar designed to help faculty modify their pedagogical approaches based on current findings in the adult learning literature. Office for the Advancement of Teaching and Learning, URI.

3. **Fournier, K.** (2017, August). Strategies and Tools for Teaching at URI: Two-Stage Exams for Improved Learning. Invited workshop on implementing an innovative assessment technique presented to incoming faculty. New Faculty Orientation, Office for the Advancement of Teaching and Learning, URI.

4. Finan, E & Caulkins, J. (2017, August). Assessment Academy-General Education STEM outcome. Assisted in assessment workgroup. Office for the Advancement of Teaching and Learning, URI.

5. **Fournier, K.** (2017, August). Getting Started with the Science of Teaching and Learning in Biomechanics. Invited podium presentation for society members interested in engaging in SoTL research in their classrooms. Teaching Symposium, the American Society of Biomechanics Annual Meeting.

6. **Fournier, K.** (2017, April). Moving from Macro to Micro: Transforming Gateway Courses. Invited workshop on large enrollment course redesign for improved student success presented to attendees. The John Gardner Institute for Excellence in Undergraduate Education – Annual Retention Symposium.

7. **Fournier, K.** (2013, April). Second Life and Online Education. Invited panelist for presentation to faculty members interested in online education techniques. The Collaboration for Exploration in Mathematics and Science (CEMS) Lunchtime series, URI.

SERVICE TO THE INSTITUTION IN INSTRUCTIONAL/EDUCATIONAL/FACULTY DEVELOPMENT

1. Member: Data Analyst Search Committee. Center for Teaching and Learning, **University of New Mexico**, Albuquerque, NM. Summer 2018.

2. Member: Technical Training Consultant Search Committee. IT Services, **University of New Mexico**, Albuquerque, NM. Fall 2018.

3. Member: Technology Enhanced Learning Studios Sub-Committee. **University of New Mexico**, Albuquerque, NM. Summer 2018 – Present.

4. Member: PCA Assessment Committee. **University of New Mexico**, Albuquerque, NM. Fall 2018 – Present.

5. Member: Steering Committee for Gateway to Completion (G2C) Initiative. Department of Biological Sciences, University of Rhode Island, Kingston, RI. Spring 2014-Spring 2015.

6. Chair: BIO121 Course Committee for Gateway to Completion (G2C) Initiative. Department of Biological Sciences, University of Rhode Island, Kingston, RI. Spring 2014-Spring 2015.

7. Member: Instructional Designer Search Committee. Student Learning, Outcome Assessment, and Accreditation (SLOAA), University of Rhode Island, Kingston, RI. May 2013.

8. Member: URI Team Based Learning Classroom Initiative Committee. University of Rhode Island, Kingston, RI. April 2013.

SERVICE TO INSTRUCTIONAL/EDUCATIONAL/FACULTY DEVELOPMENT PROFESSION

1. Member of American Society Education Committee, Team Lead for New Initiative/Promotion of the Scholarship of Teaching and Learning in Biomechanics Subcommittee. Fall 2016-Fall 2019

2. Invited reviewer:
    - Journal Research Science Teaching
    - Anatomical Sciences Education

SCHOLARLY ACTIVITY IN INSTRUCTIONAL/EDUCATION/FACULTY DEVELOPMENT

Peer Reviewed Publications

1. **Fournier, K**, Couret, J, Ramsay, K, Caulkins, J. (2017). Using Collaborative Two-Stage Examinations to Address Test Anxiety in a Large Enrollment Gateway Course. Anatomical Sciences Education. Education, e-pub, DOI 10.1002/ase.1677.

Manuscripts in Preparation

1. **Fournier, KA**, Clapham, E., & Orendorff, K. Science in Motion: Combining Physical Education and Biomechanics to enhance STEM learning at the middle school level. *Manuscript preparation phase.*

2. **Fournier, KA**, Couret, J, Ramsay, JB, & Caulkins, JL. MSLQ & Demographics in Human Anatomy. *Manuscript preparation phase.*

3. **Fournier, KA.** Using Second Life to Engage Students with Human Anatomy. *Manuscript preparation phase.*

4. **Fournier, KA.** Assessing motivation and learning strategies in undergraduate biomechanics students. *Data processing phase.*

5. Larson, S. **& Fournier, KA.** Initiatives Targeting the Scholarship of Teaching and Learning (SoTL): Test Anxiety and Student Learning with Two-Stage (Collaborative) Testing in General Nutrition Courses. *Data processing phase.*

Other Writing

1. BIO121 Course Gateway to Completion (G2C) synthesis reports (3), course report (1) and action plan (1). (2014-1015). Department of Biological Sciences, University of Rhode Island, Kingston, RI.

International Presentations

1. **Fournier, K.**, & Grandidge, A. (2015, May). Comparing Instructional and Testing Techniques for a Large Introductory Human Anatomy Course. Poster presentation at the annual Human Anatomy and Physiology Society (HAPS) meeting. San Antonio, TX.

National Presentations

1. **Fournier, K.** (2017, August). Assessing Motivation and Learning Strategies in Undergraduate Biomechanics. Poster presentation at the annual American Society of Biomechanics meeting. Boulder, CO.

2. **Fournier, K.,** Clapham, E., & Orendorff, K. (2017, August). Using Physical Education as a Pedagogical Tool to Enhance Understanding of Biomechanics in Middle School Children. Poster presentation at the annual American Society of Biomechanics meeting. Boulder, CO.

3. **Fournier, K.**, & Caulkins, J. (2015, April). Promoting Student Success in a Gateway Human Anatomy Course. Podium presentation at the Gardner Institute Annual Gateway Course Experience Conference. Charlotte, NC.

4. Caulkins, J., **Fournier, K.**, Baglama, J., Graham Brittain, C., Heskett, D., McGregor, M., & Ngo, S. (2015, April). G2C at URI: A Case Study in Gateway Course Reform to Support Student Success. Podium/**Panel** presentation at the Gardner Institute Annual Gateway Course Experience Conference. Charlotte, NC.

5. Sale, P., **Fournier, K.**, & Sanchez-Barrera, J. (2011, March). In world is real world for today's students: The Second Life experience. Podium presentation at the annual American Association of Hispanics in Higher Education (AAHHE) meeting. San Antonio, TX.

Regional Presentations

1. **Fournier, K.** (2017, March). Enhancing Problem Solving Success in Biomechanics. Poster Presentation at the first annual URI Teaching & Learning Showcase, University of Rhode Island. Kingston, RI.

2. **Fournier, K.** (2016, March). Two-Stage Exams: Turning your test experience into a powerful learning experience. Invited presentation at the Office for the Advancement of Teaching and Learning (ATL), University of Rhode Island. Kingston, RI.

3. **Fournier, K.** (2015, May). Promoting Student Success in a Gateway Human Anatomy Course. Invited Lightning Talk presentation at the annual Spring Collaborative for Exploration in Mathematics and Science (CEMS), University of Rhode Island. Kingston, RI.

Grant Activity

1. Larson, S. & **Fournier, K**. Initiatives Targeting the Scholarship of Teaching and Learning (SoTL): Test Anxiety and Student Learning with Two-Stage (Collaborative) Testing in General Nutrition Courses. Office for the Advancement of Teaching & Learning, University of Rhode Island. $1,500. **Funded**, 2017.

2. Caulkins, J., Coiro, J., & **Fournier, K**. Innovation Fund: Needs Assessment of Student Leaning. Office of the Provost, University of Rhode Island. $2,500. **Funded**, 2017.

3. **Fournier, K.** & Ward-Ritacco, C. Self-Regulated Learning in Junior Level Kinesiology Students. URI College of Health Sciences Mini-grant. $1,000.00. Not funded, 2017.

4. Grandidge, A., Wilga, C**., Fournier, K.**, & Dewsbury, B. SynDavers as a Hand-On Tool for Teaching Anatomy to URI Undergraduates and for Use in K-12 Outreach. Champlin Foundations. $121,800. **Funded**, 2015.

5. **Fournier, K.** Presentation to Publication: A comparison of instructional and testing techniques for a large introductory human anatomy course. College of Human Science and Services. $5000. **Funded, 2016.**

6. **Fournier, K.,** Clapham, E., Orendorff, K. Kluck, R., & Fogelman, J. Science in Motion. American Honda Foundation. Limited Competition Preproposal. $77,000. Not selected, 2015.

7. **Fournier, K.** Innovative Course Design in Human Anatomy. Collaboration for Exploration in Mathematics and Science (CEMS). $5,250. **Funded**, 2014.

8. De Leon, L., Diaz, Z., Sturges, D., **Fournier, K.**, & Smith, C. Engaging Students in STEM Inquiry using a Virtual Museum. The National Science Foundation (NSF). $ 1,000,000. Not Funded 2011.

DISCIPLINE-BASED TEACHING

Synthesis of Teaching in STEM: I have experience teaching STEM courses at the undergraduate (human anatomy, athletic training, and biomechanics) and graduate levels (advanced biomechanics and research methods). My class sizes have ranged from 30 to 300 students and have included students of diverse backgrounds and levels of preparation. I have taught courses using a variety of delivery formats (face-to-face, hybrid, and online). I have been trained in best-practices for course design (or redesign) using these formats.

1. Assistant Professor, University of Rhode Island (September, 2012 – May, 2018)
   Kingston, RI
   - Split Appointment (2012-2016): Department of Kinesiology (College of Human Science and Services) and Department of Biological Sciences (College of the Environmental and Life Sciences)
   - Full Appointment (2016-Present) Department of Kinesiology (New College-College of Health Sciences)

   Courses:
   KIN370 Kinesiology (Fall 2012-Present; Fall, Spring)
   Responsible for teaching 2-3 sections of the course each semester (~35-40 students). Responsible for redesigning the course to resemble a more traditional undergraduate biomechanics course. Also responsible for ensuring standardized learning objectives/materials across sections.

   BIO121 Human Anatomy (Spring 2013-Spring 2016; Fall, Spring)
   Responsible for teaching one section of the course each semester (~250+ students). Responsible for overseeing all lecture sections (2-3) and lab sections (~ 22) of the course each semester (~550 students, 1-2 other instructors, 1 lab coordinator, and 7-8 TAs). Also responsible for ensuring standardized learning objectives/materials across sections.

2. Assistant Professor, University of Texas-Pan American (September, 2009-May 2012)
   Department of Health and Kinesiology, Edinburg, TX

   Courses
   KIN 3345 Biomechanics
   KIN 3352 Prevention, Care, & Treatment of Athletic Injuries
   KIN 6369 Research Methods (Graduate Level)
   KIN 5313 Advanced Biomechanics (Graduate Level)

3. Post Doctoral Fellow, University of Florida (May 2008-June 2009)
   Trained under: Chris J. Hass
   Department of Applied Physiology and Kinesiology
   Gainesville, FL

4. Instructor, University of Florida (Fall 2003-Summer 2007)
   Department of Applied Physiology and Kinesiology, Gainesville, FL

   Courses
   APK 3220 Biomechanical Basis of Human Movement
   APK 2100 Applied Human Anatomy

5. Teaching Assistant, University of Florida (Fall 2002-Summer 2007)
   Department of Applied Physiology and Kinesiology, Gainesville, FL

   Courses
   PET 2320/APK 2100 Applied Human Anatomy
   PET 6326 Clinical Anatomy for Exercise Sciences

Invited Presentations, University of Florida
APK 4232 Measurement and Evaluation
APK 4310 Athletic Injury Assessment: Lower Extremity
PET 3340 Biomechanical Basis of Human Movement
PET 2320 Applied Human Anatomy
PET 3121 History of Sport and Exercise Science

DISCIPLINE-BASED SERVICE TO INSTITUTION

University of Rhode Island

1. Faculty Marshall: Commencement Ceremonies. University of Rhode Island, Kingston, RI. Spring 2015 - 2017.

2. Representative Faculty Member: Welcome Days. University of Rhodes Island, Kingston, RI. Spring 2015 - 2017.

3. Member: Scholastic Standing Committee. College of Human Science and Services, University of Rhode Island, Kingston, RI. Fall 2013-Spring 2018.

4. Member: Gateway to Completion (G2C) Sub-Committee for Faculty Support and Awards. Department of Biological Sciences, University of Rhode Island, Kingston, RI. Fall 2014- Spring 2015.

5. Member: Human Anatomy & Physiology Laboratory Coordinator Search Committee. Department of Biological Sciences, University of Rhode Island, Kingston, RI. September 2014.

6. Member: Biological Sciences Assistant Professor Search Committee. Department of Biological Sciences, University of Rhode Island, Kingston, RI. May 2013.

7. Member: Website Committee. Department of Kinesiology, University of Rhode Island, Kingston, RI. Fall, 2012.

University of Texas Pan American

1. Member: College of Education College Council. University of Texas-Pan American, Edinburg, TX. Spring 2011.

2. Member: College of Education Promotion & Tenure Standards/Review Committee. University of Texas-Pan American, Edinburg, TX. Spring 2011.

3. Chair: International Education Fee Scholarship Committee. University of Texas-Pan American, Edinburg, TX. Fall 2011.

4. Member: University Task Force on Freshmen Convocation. University of Texas-Pan American, Edinburg, TX. Fall 2010.

5. Member: College of Education Scholarship Committee. University of Texas-Pan American, Edinburg, TX. Fall 2009.

University of Florida

1. Member: Motor Control/Biomechanics Assistant Professor Search Committee. Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL. 2007.

2. Representative for the Biomechanics Laboratory at the Board of Trustees Luncheon and Poster Presentation. December 2007.

DISCIPLINE-BASED SERVICE TO PROFESSION

1. Invited reviewer:
    - Journal of Motor Learning and Development
    - Journal of Research in Science and Teaching
    - Journal of Autism and Developmental Disorders
    - Journal of Neurodevelopmental Disorders
    - Gait & Posture
    - Neuroscience
    - Pediatrics
    - Autism
    - Medicine & Science in Sports & Exercise
    - Journal of Experimental Child Psychology
    - Research Quarterly for Exercise and Sport

SCHOLARLY ACTIVITY IN DISCIPLINE (BIOMECHANICS)

Peer Reviewed Publications

1. **Fournier, KA,** Amano, S, Radonovich, KJ, Bleser, TM & Hass CJ. (2014). Decreased dynamical complexity during quiet stance in children with autism spectrum disorders. Gait Posture, 39(1), 420-423.

2. Radonovich, KJ, **Fournier, KA,** & Hass CJ. (2013). Relationship between postural control and restricted, repetitive behaviors in autism spectrum disorders. Frontiers in Integrative Neuroscience, 7 (Article 28), 1-7.

3. Levy CE, Buman MP, Chow JW, Tillman MD, **Fournier KA,** & Giacobbi P Jr. (2010). Use of power assist wheels results in increased distance traveled compared with conventional manual wheeling. American Journal of Physical Medicine & Rehabilitation, 89(8), 625-34.

4. Wikstrom EA, **Fournier KA,** & McKeon PO. (2010). Postural control differs between those with and without chronic ankle instability. Gait Posture, 32(1),82-6.

5. **Fournier KA**, Kimberg CI, Radonovich KJ, Tillman MD, Chow JW, Lewis MH, Bodfish JW, Hass CJ. (2010). Decreased static and dynamic postural control in children with autism spectrum disorders. Gait Posture, 32(1), 6-9.

6. **Fournier KA**, Hass CJ, Naik SK, Lodha N, Cauraugh JH. (2010). Motor Coordination in Autism Spectrum Disorders: A Synthesis and Meta-Analysis. Journal of Autism and Developmental Disorders, 40(10), 1224-40. (250+ citations)

7. Deane, RS, Chow, JW, Tillman, MD & **Fournier, KA** (2005). Effects of Hip Flexor Training on Sprint, Shuttle Run, and Vertical Jump Performance. Journal of Strength and Conditioning Research, 19(3), 615-621.

Other Writing

1. Chow, JW, Tillman, MD & **Fournier, KA**. (2005). Force Attenuation Characteristics of Different Force Absorbing Materials Used in a Hip Protector for Elderly. *Technical Report submitted to* Trans Global Orthopedics, LLC

Manuscripts in Initial Review

1. **Fournier, KA**, Amano, S, Lee, HK & Hass CJ. Entropy, unsupported sitting, and motor control deficits associated with children diagnosed with Autism Spectrum Disorders. Gait & Posture, *Submitted December, 2017.*

Manuscripts in Preparation

1. **Fournier, KA.** Lower extremity agility and split-belt treadmill adaptation. *Data processing phase.*

International Presentations

1. **Fournier, K.**, Radonovich, K., Tillman, M. & Chow, J. (2006, June). Postural control in autism. Poster presentation at the annual International Meeting for Autism Research (IMFAR). Montreal, Canada.

National Presentations

1. **Fournier, K**., Amano, S, & Hass, C. (2015, August) Decreased Dynamical Complexity During Quiet Sitting in Children with Austism Spectrum Disorders. Poster presentation at the annual American Society of Biomechanics (ASB) meeting. Columbus, OH.

2. **Fournier, K.**, Radonovich, K., Selbst, J., Benefield, H. & Hass, C. (2009, August). Quiet Standing and Quiet Sitting in Young Children with Autism Spectrum Disorders. Poster presentation at the annual American Society of Biomechanics (ASB) meeting. State College, PA.

3. **Fournier, K.A.,** Borsa, P.A. & Wikstrom, E.A. (2009, June). Postural Instability During Single Limb Stance For Individuals With Previous Ankle Injury. Poster Presentation at the annual American College of Sports Medicine (ACSM) meeting. Seattle, WA.

4. **Fournier, K**, Hass, C, Tillman, M, Radonovich, K, Lewis, M & Chow, J. (2008, April). Static and Dynamic Balance Control in Children with Autism: A Pilot Study. Podium presentation at the annual Gait and Clinical Movement Analysis Society (GCMAS) meeting. Richmond, VA.

5. **Fournier, K.**, Radonovich, K., Tillman, M. & Chow, J. (2006, September). Ground reaction forces during the stance phase of gait of young autistic children. Podium presentation at the annual American Society of Biomechanics (ASB) meeting. Blacksburg, VA.

6. Chow, J., Tillman, M., **Fournier, K.**, Vallabhajosula, S., Stancil, M., Giacobbi, P., & Levy, C. (2006, September). Kinematic comparison of manual and pushrim-activated power-assisted wheelchair propulsion. Podium presentation at the annual American Society of Biomechanics (ASB) meeting. Blacksburg, VA.

7. **Fournier, K.A.** Wirth, C.K., Tillman, M. D. & Chow, J.W. (2005, June). The Influence of Verbal Instruction and Vision on Postural Control Strategies. Podium presentation at the annual American College of Sports Medicine (ACSM) meeting. Nashville, TN.

Regional Presentations

1. **Fournier, K.,** Ward-Ritacco, C., Weyandt, L., Greaney, M., Rossi, J., Riebe, D., & Renehan, W. (2017, May). An innovative interdisciplinary approach for detection and cognitive decline. Poster Presentation at the first annual Academic Health Collaborative Research Event, University of Rhode Island. Kingston, RI.

2. Palmer, H., Davids, C., Graham, J., Lapides, I., Dobron, C., & **Fournier, K.** (2017, May). Using a forceplate instrumented, split-belt treadmill to investigate gait asymmetry in young healthy adults. Poster Presentation at the first annual Academic Health Collaborative Research Event, University of Rhode Island. Kingston, RI.

3. Potts, A., To, P., & **Fournier, K.** (2016, May). Using a forceplate instrumented treadmill for quiet stance posturography. Poster Presentation at the annual student research night for the College of Human Science and Services, University of Rhode Island. Kingston, RI.

4. **Fournier, K.**, Radonovich, K., Tillman, M. & Chow, J. (2006, March). An examination of clumsy gait in young children with autism. Podium presentation at the annual Southeast Society of Biomechanics (SEBC) meeting. Atlanta, GA.

5. **Fournier, K**, Potvin, J, Altenhof, W., & Marino, W. (2004, February). Force attenuating characteristics of ice hockey shin guards: An investigation of the knee and tibial sections of varying quality shin guards. Podium Presentation at the annual Southeast American College of Sports Medicine (SEACSM) meeting. Atlanta, GA.

Published Abstracts

1. Radonovich, K, Lewis, M., **Fournier, K**. & Hass, C. (2010, May). Relationship Between Postural Control and Restricted, Repetitive Behaviors in Autism Spectrum Disorder. Poster presentation at the annual International Meeting for Autism Research (IMFAR). Philadelphia, PA.

2. Hass, C., **Fournier, K.**, Selbst, J., Benefield, H., Lewis, M. & Radonovich, K. (2009, August). Are Restricted, Repetitive Behaviors & Postural Control Linked in Autism Spectrum Disorders? Poster presentation at the annual American Society of Biomechanics (ASB) meeting. State College, PA.

3. Joyner, J., Gamble, K., **Fournier, K**., Hass, C., & Janelle, C. (2009, August) Emotional Influences on the Center of Pressure Trajectory during Gait Initiation. Poster presentation at the annual American Society of Biomechanics (ASB) meeting. State College, PA.

4. Tillman, M.D., Vallabhajosula, S., Chow, J.W., **Fournier, K.A.**, Giacobbi, P., Hubbard, S., & Levy, C.E. (2009, June). Changes In Upper Extremity And Trunk Angular Kinematics During Pushrim-Activated Power-Assisted Wheelchair Use. Submitted for review for the annual American College of Sports Medicine (ACSM) meeting. Seattle, WA.

5. Hass, C., Wikstrom, E., **Fournier, K**., Inamdar, A. & Bishop, M. (2008, August). Locomotor Initiation: Influence of Chronic Ankle Instability. Poster presentation at the North American Congress on Biomechanics Meeting. Ann Arbor, MI.

6. Tillman, M.D., Chow, J.W., **Fournier, K.A.**, Vallabhajosula, S., Giacobbi, P., Dietrich, F.D., Hubbard, S., & Levy, C.E. (2008, August). Changes in wheeling kinematics after 8 weeks of pushrim-activated power-assisted wheelchair use. Poster presentation at the North American Congress on Biomechanics Meeting. Ann Arbor, MI.

7. Hubbard, SL, Giacobbi, P, Dietrich, FD, **Fournier, KA**, Stancil, MA, Chow, JW, Tillman, MD, Burman, M, Levy, CE. (2008, February). Clinical considerations for prescription of pushrim-activated power-assist wheelchairs. Presentation at the annual International Conference on Aging, Disability, and Independence. St. Petersburg, FL.

8. Hubbard, SL, Chow, JW, Tillman, MD, Giacobbi, P, Stancil, MA, **Fournier, KA**, Burman, M, Dietrick, FD, Levy, CE. (2007, October). Characterizing successful pushrim-activated power-assist wheelchair (PAPAW) users. Presentation at the American Congress of Rehabilitation Medicine and American Society of Neuro-Rehabilitation Annual Conference. Washington, DC.

9. Chow, JW, Tillman, MD, **Fournier, KA**, Vallabhajosula, S, Giacobbi, P, Dietrich, FD, Hubbard, SL, Levy, CE. (2007, July). Longitudinal Stroke Cycle Characteristics of Pushrim-Activated Power-Assisted Wheelchair Propulsion. Presentation at the XXIth Congress of International Society of Biomechanics (ISB). Taipei, China

10. Hubbard, SL, Levy, CE, Giacobbi, P, Chow, J, Stancil, MA, **Fournier, KA**, Burman, M, Dietrick, R, Tillman, M. (2007, March). Using qualitative methods to characterize power-assist wheelchair users. Presentation at the International Seating Symposium. Orlando, FL.

Grant Activity

1. Mankodiya, K., **Fournier, K.**, & Hannel, S. Wearable E-Textiles. National Science Foundation (NSF)-Small Business Technology Transfer Program Phase I (STTR). Submitted Summer, 2017. In Review.

2. Larson, S. & **Fournier, K**. Initiatives Targeting the Scholarship of Teaching and Learning (SoTL): Test Anxiety and Student Learning with Two-Stage (Collaborative) Testing in General Nutrition Courses. Office for the Advancement of Teaching & Learning, University of Rhode Island. Submitted Spring 2017. $1,500. **Funded.**

3. Caulkins, J., Coiro, J., & **Fournier, K**. Innovation Fund: Needs Assessment of Student Leaning. Office of the Provost, University of Rhode Island. Submitted Spring, 2017. $2,500. **Funded.**

4. **Fournier, K.**, Ward-Ritacco, C., Weyandt, L., Greaney, M., Rossi, J., Riebe, D., & Renehan, W. Motor Performance Evaluation: An innovative diagnostic tool for early detection of cognitive decline. Institute for Integrated Health and Innovation (IHII) - Big Ideas/George and Ann Institute for Neuroscience. Submitted Spring 2017. $10,000. **Funded.**

5. Ward-Ritacco, C & **Fournier, K.** Motor Performance Evaluation: An innovative diagnostic tool for early detection of cognitive decline. Advance_Clinical Translational Research (CTR) Pilot Projects. Submitted Spring 2017. Not Funded.

6. **Fournier, K.** & Ward-Ritacco, C. Motor Performance Evaluation: An innovative diagnostic tool for early detection of cognitive decline. URI Council for Research. Submitted Spring 2017. $14,964.00. Not Funded.

7. Greaney, M., Ward-Ritacco, C., **Fournier, K**., & Riebe, D. An intervention to reduce sedentary time among older adults living in senior housing. URI Council for Research. Submitted Spring 2017. $15,000. Not Funded.

8. **Fournier, K.** & Clapham, E. Innovative Pedagogy-National Biomechanics Day. URI College of Health Sciences Mini-grant. Submitted Fall 2017. $1,500. Not Funded.

9. Earp, J. & **Fournier, K.** Running Economy. Zensah Compression Technologies. Submitted Spring 2016. $30,827. Not funded.

10. **Fournier, K.** Innovative Course Design in Human Anatomy. Collaboration for Exploration in Mathematics and Science (CEMS). $5250. **Funded.**

11. Riebe, D., Blanpied, P, & **Fournier, K.** Motion Analysis Laboratory: Understanding the Biomechanics of Human Movement. The Champlin Foundations. $101,000. **Funded.**

12. Caruntu, D., **Fournier, K.**, Freeman, R., Fuentes, A. & Gonzalez, M. MRI-R2: Acquisition of a Motion Analysis System, Force Plates, EMG System, and EXAscan 3D Scanner for Biomechanical Research and Education. The National Science Foundation (NSF). $ 294,831; Role: Co-PI. Submitted 2011 (resubmitted). **Funded.**

13. **Fournier, K.** Acquisition of a Motion Analysis System (MaxPRO 3D-Innovision Systems). Higher Education Assistance Funds (HEAF). $25,710; Role: PI. Submitted 2009. **Funded.**

14. Caruntu, D., **Fournier, K.**, Freeman, R., Fuentes, A. & Gonzalez, M. MRI-R2: Acquisition of a Motion Analysis System, Force Plates, EMG System, and EXAscan 3D Scanner for Biomechanical Research and Education. The National Science Foundation (NSF). $ 294,831; Role: Co-PI. Submitted 2009. Not Funded. *Resubmitted 2010.*

15. Hass, C & Radonovich, K. Motor Control in Young Children with Autism. Autism Speaks. $117,747; Role: Post-Doctoral Fellow. Submitted 2007. **Funded.**

16. **Fournier, K**, Hass, C. & Radonovich, K. Static and Dynamic Balance Control in Children with Autism Spectrum Disorders. Organization for Autism Research (OAR). Graduate Student Grant, $2000; Role: Principal Investigator. Submitted 2006. **Funded.**