

CURRICULUM VITAE
Erin Grand, MSc.

CONTACT INFORMATION

919 Cinnamon Dr.
Durham, NC 27713
(919) 943-6145
egrad6@yahoo.com

EDUCATION

- Sept. 2011-
Aug. 2013 **Wilfrid Laurier University, Waterloo, ON, Canada**
Masters of Science, Kinesiology
Department of Kinesiology, School of Science
Thesis Topic: *The Effect of Walking, Running, and an End-Task on Object Circumvention in Soccer Players and Non-Athletes*
Advisor: Dr. Michael Cinelli and Dr. Pamela Bryden
- Sept. 2007-
Aug. 2011 **The University of Western Ontario, London, ON, Canada**
Bachelor of Arts, Honours Specialization in Kinesiology, Minor Psychology
Department of Kinesiology, School of Health Sciences

RESEARCH EXPERIENCE

- Jan. 2015-
Present **Data Collection, Data Entry, Participant Recruitment, Writing**
Matthew Gfeller Sport-Related TBI Research Center, University of North Carolina – Chapel Hill
Title: *NCAA-DOD Grand Alliance: Concussion Assessment, Research, and Education (CARE) Consortium*
- Three-year long prospective investigation that delineates the natural history of concussion by incorporating a multi-dimensional assessment of clinical measures, pre- and post-concussive symptomology, performance based testing, and psychological health
- Title: *Innovative Behaviour Modification Strategies to Reduce Mild Traumatic Brain Injury Risk in High School Football Athletes*
- Behavioral intervention program to see if modifying hitting/tackling technique in high school football players can reduce the risk of sport-related traumatic brain injuries
- Title: *Head Impact Biomechanics in Women's College Soccer*
- Investigating the head impact biomechanics experienced by female college soccer players throughout a season of NCAA competition, as measured by the X2 Biosystems X-Patch
- Title: *Prospective Investigation of Sport-Related Concussion: Relationship Between Biomechanical, Neuroanatomical, and Clinical Factors*
- Investigating the relationship between head impact biomechanics, clinical, and behavioural measures of concussion in high school athletes.
- Title: *Tracking Neurological Function in Warrior-Athletes: A Multidisciplinary Approach*
- Study designed to answer important questions related to neurological function in Warrior-Athletes and to generally support the clinical research program conducted within the Matthew Gfeller Center

Title: *A Pilot In-Depth Analysis of Youth Sport Coaches' Perception of Sport Culture, Safety, and Injury Prevention*

- An investigation of youth sport coach perceptions concerning the culture of sport and its relationship to injury prevention and safety, using focus groups

Aug. 2012-
July 2013

Project Design, Instrumentation, Data Collection, Analysis and Writing

Lifespan Psychomotor Behaviour Lab, Wilfrid Laurier University

Title: *The Effect of Walking, Running, and an End-Task on Object Circumvention in Soccer Players and Non-Athletes*

- Examined the differences between soccer players and non-athletes in the circumvention of a tall, cylindrical object while walking, running, walking with the addition of a soccer ball, or running with the addition of a soccer ball

Jan. 2013-
Apr. 2013

Data Collection and Revisions

Lifespan Psychomotor Behaviour Lab, Wilfrid Laurier University

Title: *Directionality of Drawing and Adherence to Preferred Stroke Direction in Children and Young Adults with the Preferred and Non-Preferred Hands*

- Examined the differences between children and young adults in drawing and trends of movement when using both the dominant and non-dominant hands

Sept. 2012-
Jan. 2013

Data Collection and Revisions

Lifespan Psychomotor Behaviour Lab, Wilfrid Laurier University

Title: *Understanding Balance Differences in Individuals with Multiple Sclerosis with Mild Disability: an Investigation of Differences in Sensory Feedback on Postural and Dynamic Balance Control*

- Analyzing the effect of dynamic walking tasks to a light stimulus and standing tasks on a force plate with and without visual feedback in older adults with MS

PUBLICATIONS

Lynall R, Clark M, **Grand E**, Stucker J, Littleton A, Aguilar A, Petschauer M, Teel E, & Mihalik J. (2016). Head impact biomechanics in women's college soccer. *Medicine & Science in Sports & Exercise*. (In Review).

TEACHING EXPERIENCE

Sept. 2011-
Apr. 2013

Teaching Assistant, Statistics

Department of Kinesiology, Wilfrid Laurier University

- Responsible for weekly extra help sessions to address students' issues with concepts and assist them in developing strategies to approach and complete statistical questions ranging from measures of central tendency to ANOVAs

Jan-Apr. 2012

Teaching Assistant, Research Design

Department of Kinesiology, Wilfrid Laurier University

- Held exam preparatory sessions for students and marked all assignments and exams

Sept-Dec. 2011

Teaching Assistant, Exercise Psychology

Department of Kinesiology, Wilfrid Laurier University

- Attended lectures, held exam preparatory sessions for students, and marked all assignments and exams

PROFESSIONAL EXPERIENCE

Aug. 2016-
Present

Assistant Director of Girls

Triangle Futbol Club Alliance

- Assist with the integration and organization of girls teams within the club

- Jan. 2015-
Present
- Research Coordinator**
Matthew Gfeller Sport-Related TBI Research Center, University of North Carolina - Chapel Hill, NC
- Organized and managed the 3rd Annual Matthew Gfeller Sport-Related Neurotrauma Symposium
 - Manage research projects, data collection, and coordination of lab activities
- Jan. 2015-
Present
- Assistant Coach – Girls 2000 Soccer**
North Carolina Olympic Development Program, NC
- Player evaluation, development, and identification of youth soccer players
- Jul. 2014-
Present
- Head Coach – Girls 2003, 2004 Soccer**
Triangle Futbol Club Alliance, Durham, NC
- Train youth players on individual and team tactics/technique through practices and games
- Aug. 2014-
Present
- Women’s Soccer, Match Analytics (volunteer)**
University of North Carolina – Chapel Hill, NC
- Measure different aspects of performance during practices and games to assist coaches in development players
- May 2013-
Jul. 2014
- Head Coach, Girls 2001 Soccer**
North London Soccer Club, London, ON, Canada
- Facilitated long-term player development by organizing and managing practices, and coaching during games/tournaments
- Aug. 2013-
Jul. 2014
- Assistant Coach, Women’s Soccer**
University of Western Ontario, London, ON, Canada
- Recruited potential players by managing communication and attending youth games
 - Assisted head coach during practices and games to aid in player/personal development of student-athletes
- May 2013-
Jul. 2014
- Fitness Coach**
Combine Centre, London, ON, Canada
- Utilized a strong understanding of full-body proper mechanics, different exercise types, and injury prevention strategies to generate person-specific and class exercise sessions
- Sep. 2013-
Jun. 2014
- Kinesiologist**
Quattro Health and Performance, London, ON, Canada
- Assisted physiotherapist and chiropractor by interacting with the patients, supplying exercises and stretches, and utilizing therapeutic modalities

PRESENTATIONS and PROFESSIONAL MEETINGS

Grand, E., Cinelli, M.E. and Bryden, P.J. Effect of walking, running, and an end-task on object circumvention direction in soccer players and non-athletes. *Poster Presentation at Vision Sciences Society. Naples, FL, May 12, 2013*

Grand, E., Cinelli, M.E. and Bryden, P.J. Effect of Walking, Running, and an End-Task on Object Circumvention in Soccer Players and Non-Athletes. *Poster Presentation at the Faculty of Science Research Day. Waterloo, ON, Canada, February 27, 2013*

ACADEMIC HONOURS AND AWARDS

- Apr. 2011 **Academic All-Canadian**, Recognition of academic excellence while competing in Canadian Intercollegiate Sport (CIS) varsity sport (soccer)
CIS, University of Western Ontario
- Apr. 2011 **Dean's Honour List**, Recognition of academic excellence
Faculty of Health Sciences, University of Western Ontario
- Apr. 2011 **Academic Achievement Award**, Recognition of academic excellence while competing in Ontario University Athletics (OUA) varsity sport (soccer and squash), University of Western Ontario
- Apr. 2011 **Health Sciences Student Athlete Bursary**, Recognition of academic excellence by a health sciences student while competing in intercollegiate sport, University of Western Ontario
- Dec. 2009 **Bob Gage Athletic Leadership Award**, Recognition of athletic excellence and demonstration of leadership qualities while competing in intercollegiate sport, University of Western Ontario