

# Matthew B. Miller PhD, CAT(C)

Email : matthew.miller@acadiau.ca | Phone : 902-585-1926

## CURRICULUM VITAE

### PERSONAL INFORMATION

---

Current Position: Instructor  
School of Kinesiology  
Acadia University

Professional Address: AAC 385E  
15 University Ave.  
Wolfville, Nova Scotia  
Canada, B4P 2R6

Citizenship: Canadian

Pronouns: He/Him/His

### CAREER HIGHLIGHTS

---

#### Teaching & Mentorship

- Taught introductory athletic therapy courses in both the laboratory and lecture format.
- Experience with asynchronous, synchronous, and hybrid teaching models, and transitioning course content to an online format.
- Supervised more than 15 undergraduate and master's students through their degree programs and advised multiple students on statistical analysis.

#### Service

- Sat on the board of directors for the athletic therapy association in Quebec the Corporation des Thérapeutes du Sport du Québec (CTSQ) for two years.
- Served on the Canadian Athletic Therapists Association (CATA) ethics committee since 2018.
- Organized the Concordia Research and Education for Athletic Therapy Excellence (CREATE) conference in 2019.
- Founded the Corporation des Thérapeutes du Sport du Québec Research Committee

#### Research

- Consistent publication record with 5 publications since 2018.
- Received \$83,150 in research funding.
- Experience transitioning research projects from in-person to online.
- Trained in tool development and advanced statistical analysis.

**EDUCATION**

---

- 2021      **Ph.D., (Pure Science).** Concordia University, Faculty of Arts and Science, Department of Health, Kinesiology, & Applied Physiology, Montreal, QC.  
Thesis: Assessing Movement Competence and Informing Injury Prevention in 8-12 Year-Old Children: Development of the Child Focused Injury Risk Screening Tool (ChildFIRST).
- 2015      **B.A.H.Sc., (Athletic Therapy).** Sheridan College, Faculty of Applied Health and Community Studies, Brampton, ON
- 2012      **M.Sc (Work and Exercise Physiology).** Memorial University of Newfoundland, School of Human Kinetics and Recreations, St. John's, NL  
Thesis: Understanding the Effects of Gut Hormones and Exercise on Obesity
- 2009      **B. Kinesiology.** Acadia University, Faculty of Professional Studies, School of Recreation Management and Kinesiology, Wolfville, NS.

**PROFESSIONAL APPOINTMENTS**

---

- 2021      **Instructor**  
School of Kinesiology  
Acadia University
- 2021      **Research Assistant**  
School of Health and Human Performance  
Dalhousie University
- 2021      **Research Coordinator**  
Urquhart Orthopedics  
Nova Scotia Health Authority

**PUBLICATIONS**

---

**Refereed Journal Articles**

- 2020      Jimenez-Garcia JA. Hong CK, **Miller MB**, DeMont RD. The Child Focused Injury Risk Screening Tool (ChildFIRST) for 8-12-year-old Children: A Validation Study Using a Modified Delphi Method. *Measurement in Physical Education and Exercise Science* (Impact Factor: 2.00, Quartile: 2)  
<https://doi.org/10.1080/1091367X.2020.1793344>
- 2020      **Miller MB**, Jimenez-Garcia JA. Hong CK, DeMont RD. Assessing Movement Competence and Screening for Injury Risk in 8-12-year-Old Children: Reliability of the Child Focused Injury Risk Screening Tool (ChildFIRST). *Measurement in*

- Physical Education and Exercise Science*. (Impact factor: 2.00, Quartile:2)  
<https://doi.org/10.1080/1091367X.2020.1781129> .
- 2020 **Miller MB**, Roumanis MJ, Kakinami L, Dover DC. Chronic Pain Patients' Kinesiophobia and Catastrophizing are Associated with Activity Intensity at Different Times of the Day. *Journal of Pain Research*. (Impact Factor: 2.25, Quartile: 1) <https://doi.org/10.2147/JPR.S230039>
- 2018 **Miller MB**, Jimenez-Garcia JA, Hong CK, DeMont RG. Process-Based Assessment of Physical Literacy and the Connection to Injury Prevention Programs. *Athletic Training & Sports Health Care*. (Impact Factor: N/A, Quartile: 3) <https://doi.org/10.3928/19425864-20180924-01>
- 2018 **Miller MB**, Macpherson A, Hynes L. Athletic Therapy Students' Perceptions of High-Fidelity Manikin Simulation: A pilot study. *Athletic Training Education Journal*. 2018;13(2):158-167. (Impact Factor: N/A, Quartile: N/A)  
<https://doi.org/10.4085/1302158>
- 2017 Dobney DM, **Miller MB**, Tufts E. Non-pharmacological rehabilitation interventions for concussion in children: a scoping review. *Disability and Rehabilitation*. (Impact Factor: 1.950, Quartile: 1)  
<https://doi.org/10.1080/09638288.2017.1400595>
- 2014 **Miller MB**, Pearcey GEP, Cahill F, McCarthy H, Stratton, SBD, Noftall JC, Buckle S, Basset FA, Sun G, Button DC. The Effect of a Short-Term High-Intensity Circuit Training Program on Work Capacity, Body Composition, and Blood Profiles in Sedentary Obese Men: A Pilot Study. *Biomed Research International*. (Impact Factor: 2.140, Quartile: 2)  
<https://doi.org/10.1155/2014/191797>

### Manuscripts Under Review

- 2021 **Miller MB**, Jimenez-Garcia JA, DeMont RG. Child Focused Injury Risk Screening Tool (ChildFIRST): Normative data for children 8-12 years-old. Under review in: *Research Quarterly for Exercise and Sport*. (Impact factor: 1.88, Quartile: 2).

### Published Abstracts

- 2020 **Miller MB**, Jimenez-Garcia JA, Hong CK, DeMont R. Assessing Movement Competence and Screening for Injury Risk in 8-12-Year-Old Children: Reliability of the Injury Risk Screening Tool. *Athletic Training & Sports Health Care*. 2020. 12(3):141
- 2020 Manolakos S, Brunet P, **Miller MB**, DeMont R. Sex Differences in Movement Competence in Children Aged 8-12 Using the ChildFIRST. *Athletic Training & Sports Health Care*. 2020. 12(3):143
- 2019 **Miller MB**, DeMont R. Sex Differences in the Fundamental Movement Skills of 5–8-Year-Old Children, After a 3-Year Intervention. *Athletic Training & Sports Health Care*. 2019. 11(3):147-152.

- 2018 **Miller MB**, DeMont RG. Athletic Therapy Student Perceptions of their Internship Experience at a Canadian University. *Athletic Training & Sports Health Care*. 2018; 10(3):135-143
- 2014 **Miller MB**, Hynes LM. Athletic Therapy Students' Perceptions of High-Fidelity Manikin Simulation: A Pilot Study. *Athletic Training & Sports Health Care*. 2014;6(3):139
- 2013 **Miller M**, McCarthy H, Pearcey GEP, Cahill F, Basset F, Stratton S, Sun G, Button DC. Six hours of high-intensity circuit training improves key physiology health markers in obese males. *Applied Physiology, Nutrition, and Metabolism*. 2013;38(10):1063
- 2011 Bradbury-Squires D, Rice J, Ralph V, Hurley J, **Miller M**, Behm DG, Button DC. The effects of training status and grip size on flexor digitorum superficialis electromyography during a bicep dumbbell curl. *Clinical Journal of Sports Medicine*. 2011;21(4): 378

## **AWARDS AND HONOURS**

---

2020	Concordia University In-course Award	\$10,000
2020	Concordia University Accelerator Award	\$5,000
2019	Concordia Graduate Community Building Fund	\$3,300
2019	Concordia University Conference and Exposition Award	\$1,000
2019	Concordia Graduate Community Building Fund	\$2,500
2018	Canadian Athletic Therapists Association Writing Award	\$350
2018	Concordia University Conference and Exposition Award	\$1,000
2017	Concordia University Entrance Fellowship	\$60,000

## **CONFERENCE ACTIVITY**

---

### **Conferences Organized**

- 2019 Concordia Research & Education for Athletic Therapy Excellence (CREATE) Concordia University, Montreal, QC. May 16, 2019.

### **Podium Presentations**

- 2019 Sex Differences in the Fundamental Movement Skills of 5–8-Year-Old Children, After a 3-Year Intervention. Canadian Athletic Therapy Association (CATA) National Conference. Calgary, AB., Canada. May 30-June 1, 2019.
- 2014 Athletic Therapy Students' Perceptions of High-Fidelity Manikin Simulation: A Pilot Study. Canadian Athletic Therapy Association (CATA) National Conference. Winnipeg MB, Canada. May 30-June 1, 2014.

**Poster Presentations**

- 2021 **Miller MB**, Jimenez-Garcia JA, DeMont RG. The Child Focused Injury Risk Screening Tool (ChildFIRST) – Normative Values, Correlations, and Sex Differences for a group of Children aged 8-12. Canadian Athletic Therapists' Association Webinar Series' Writing and Research Presentations. \*Virtual
- 2021 **Miller MB**, Jimenez-Garcia JA, DeMont RG. The Child Focused Injury Risk Screening Tool (ChildFIRST) – Normative Values, Correlations, and Sex Differences for a group of Children aged 8-12. PERFORM Centre Research Conference. Montreal QC. \*Virtual
- 2019 Jimenez-Garcia JA **Miller MB**, Hong CK, DeMont RG. Movement Skills Assessment Tool: A Validation Study Using A Modified Delphi Method. PERFORM Centre Research Conference. Montreal, QC.
- 2019 Kestenbaum R, Berger Lebel F, **Miller MB**, Dover GC. Assessing the Deficit in Function of Injury Patients Seeking Treatment at an Athletic Therapy Student-Run Clinic. PERFORM Centre Research Conference. Montreal, QC.
- 2018 **Miller MB**, DeMont RG. Athletic Therapy Student Perceptions of their Internship Experience at a Canadian University. National Athletic Trainers' Association (NATA) Convention: 69<sup>th</sup> Clinical Symposia & AT Expo. Free Communications Program. New Orleans, LA.
- 2018 **Miller MB**, Jimenez-Garcia JA, Hong CK, DeMont RG. Sex Differences in a Process-Based Assessment of Physical Literacy. PERFORM Centre Research Conference. Montreal, QC.
- 2018 Hong, CK, Jimenez-Garcia JA, **Miller MB**, DeMont RG Balance Improvements in Second Grade Children after a 2-year Fundamental Movement Skills Development Program. PERFORM Centre Research Conference. Montreal, QC.
- 2018 Jimenez-Garcia JA, Hong CK, **Miller MB**, DeMont RG. Locomotor Skills Proficiency in Second-Grade Children: Evaluation of a Two-Year Fundamental Movement Skills Intervention. PERFORM Centre Research Conference. Montreal, QC.
- 2018 **Miller MB**, DeMont RG. Athletic Therapy Student Perceptions of their Internship Experience at a Canadian University. Canadian Athletic Therapists Association (CATA) National Conference. Quebec City, QC.
- 2014 **Miller MB**, Hynes LM. Athletic Therapy Students' Perceptions of High Fidelity Manikin Simulation: A Pilot Study. Canadian Athletic Therapy Association (CATA) National Conference. Winnipeg, MB.

**PROFESSIONAL DEVELOPMENT**

---

**Success in Graduate School**

- 2018 Listening to Leadership Stories from Vanier Scholars at Concordia
- 2018 Fund writing strategies for Master's and Doctoral Students
- 2018 Funding Opportunities for Graduate Students in Thesis Based Programs
- 2017 Understanding & increasing the Visibility and Impact of Your Research

2017 NSERC funding info Session for Masters, PhD Students, and Post Docs  
 2013 TCPS 2: CORE. Ethical Conduct for Research Involving Humans.

### Language Training

2019 French Conversation Group (Level 3) – Intermediate 1  
 2018 French Conversation Group (Level 1) – New to French

### Communications

2020 Concordia Three Minute Thesis & Project Competition  
 2019 Concordia Three Minute Thesis & Project Competition  
 2018 Editing Principles for Graduate Students

## PROFESSIONAL MEMBERSHIP & CERTIFICATIONS

---

### Memberships

2021-Present Atlantic Provinces Athletic Therapy Association (APATA) Member  
 2015-2021 La Corporation des Thérapeutes du Sport du Québec (CTSQ)  
 2012-Present Canadian Athletic Therapy Association (CATA) Member

### Certifications

2015 Certified Athletic Therapist (Canadian Athletic Therapists Association)  
 2012 First Responder, HCP, CPR & First Aid Certified (Sports First Responder)

## PROFESSIONAL SERVICE

---

2021 Atlantic Provinces Athletic Therapists' Association (APATA) Board of Directors  
 2020 La Corporation des Thérapeutes du Sport du Québec (CTSQ) Research  
 Committee  
 2019 La Corporation des Thérapeutes du Sport du Québec (CTSQ) Board of Directors  
 2018 Canadian Athletic Therapists Association (CATA) Ethics Committee  
 2018 Canadian Athletic Therapists Association (CATA) Editorial Reviewer

## MENTORSHIP & SUPERVISION

---

2020 **Brennan McConaghy, Independent Research, Sheridan College**  
 Project title: The importance of establishing a basketball specific neuromuscular  
 training program to decrease the rate of lower body injuries.  
 2020 **Brittany Galan, Independent Research, Sheridan College**  
 Project title: An Active Approach to Concussion Management with Adolescent  
 Athletes

- 2020 **Brodey Bilton-McLeod, Independent Research, Sheridan College**  
Project title: Exercise Associated Muscle Cramps and Ingestion of Sodium Concentrated Liquids
- 2020 **Eric Maggiacomo, Independent Research, Sheridan College**  
Project title: Does Timing of Carbohydrate Consumption Prior, Intra, and Post Activity Play a Role in Performance Output in Basketball Players?
- 2020 **Laura Orozia, Independent Research, Sheridan College**  
Project title: Incorporation of Yoga Therapy to improve Strength, Flexibility, Balance and Mental Readiness in Athletes during the Return to Play Phase of Rehabilitation
- 2020 **Manuela Alvarez, Independent Research, Sheridan College**  
Project title: Sport Specialization at A Young Age- A Risk for Knee Overuse Injuries in Youth
- 2020 **Matthew Zoltek, Independent Research, Sheridan College**  
Project title: A Review of the Importance of Baseline SCAT5 Concussion Testing for Athlete's with Attention Deficit Hyperactivity Disorder (ADHD)
- 2020 **Navreet Brar, Independent Research, Sheridan College**  
Project title: Neuromuscular Training and its Impact on Lower Extremity Injuries in Collegiate Basketball
- 2020 **Rleigh Arsenault, Independent Research, Sheridan College**  
Project title: Neck Strengthening, Vision and Reaction Time Training and Its Role in Concussion Prevention of Collegiate Athletes
- 2020 **Tuyet Vu Noreau, Independent Research, Sheridan College**  
Project title: When to Implement a Resistance Training Program, in a High School Football Season, to Reduce Rate of Injury
- 2019 **Sabrina Manolakos, Undergrad Honours Student, Concordia University**  
Project title: Sex Differences in Movement Competence in Children Aged 8-12 using the ChildFIRST
- 2019 **Phillipe Brunet, Undergrad Honours Student, Concordia University**  
Project title: Age differences in the 8-12 year population using the ChildFIRST.
- 2019 **Kyla Demers, Master's Student, Concordia University**  
Project title: The prevalence of cranial bone and upper cervical mobility restrictions in post-concussion syndrome
- 2019 **Frederique Labelle, Master's Student, Concordia University**  
Project title: Investigation of the Lower Limb Neuromuscular Activation in Children Following a Perturbation
- 2018 **John Alexander Jimenez Garcia, Master's Student, Concordia University**  
Project title: Movement Skills Assessment tool: A validation study using a modified Delphi method.
- 2018 **Chang Ki Hong, Master's Student, Concordia University**  
Project title: Fundamental Movement Skills Assessment Tool: A Validation Study of Balance Skills Using the Modified Delphi Method
- 2011 **David Bradbury-Squires, Undergrad Honours Student, Memorial University**  
Project title: The effects of training status and grip size on flexor digitorum superficialis electromyography during a bicep dumbbell curl

**TEACHING EXPERIENCE**

---

**Concordia University**

	<b>Semesters</b>	<b>Course Number</b>	<b>Course Name</b>	<b>Class Size</b>
<b>Lecturer</b>	Winter 2021	CATA 263	Principles of Athletic Therapy	133
<b>Laboratory Instructor</b>	Winter 2021	CATA 263	Principles of Athletic Therapy	72
	Winter 2020			
	Winter 2019			
	Winter 2018			
	Fall 2020	CATA 262	Emergency Care 1	60
	Fall 2019			
	Fall 2018			
Fall 2017				
Fall 2019	EXCI 352	Essentials of Exercise Testing and Training in Athletic Populations	12	
<b>Teaching Assistant</b>	Fall 2020	CATA 337	Assessment of the Extremities	76
	Fall 2019			

**Sheridan College**

	<b>Semesters</b>	<b>Course Number</b>	<b>Course Name</b>	<b>Class Size</b>
<b>Lecturer</b>	Fall 2020	ATHL 49999	Independent Research	10

**Memorial University of Newfoundland**

	<b>Semesters</b>	<b>Course Number</b>	<b>Course Name</b>	<b>Class Size</b>
<b>Laboratory Instructor</b>	Winter 2012	HKR 2340	Fitness Leadership	30
	Winter 2011	HKR 2311	Human Physiology	30
<b>Teaching Assistant</b>	Summer 2011	HKR 2000	Introduction to Kinesiology	62
	Winter 2011	HKR 4420	Issues in Kinesiology	65
	Fall 2011	HKR 3410	Sociology of Physical Activity and Sport	62