

Emily Bremer, PhD

Assistant Professor & Canada Research Chair
School of Kinesiology
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ACADEMIC QUALIFICATIONS

EDUCATION

- 2014 – 2019 **PhD, Kinesiology**
Department of Kinesiology, McMaster University, Hamilton, ON
Supervisor: Dr. John Cairney
Dissertation: Exploring the role of physical activity for health, behaviour, and cognition in children with autism spectrum disorder (<http://hdl.handle.net/11375/24345>)
- 2012 – 2014 **MHSc, Kinesiology**
Faculty of Health Sciences, University of Ontario Institute of Technology, Oshawa, ON
Supervisor: Dr. Meghann Lloyd
Thesis: Investigating the effectiveness of a fundamental motor skill intervention for 4 year old children with autism spectrum disorder (<http://hdl.handle.net/10155/419>)
- 2008 – 2012 **BHSc (Honours) with Distinction**
Faculty of Health Sciences, University of Ontario Institute of Technology, Oshawa, ON

CURRENT POSITION

- Jan. 2022 – Present **Assistant Professor**
Canada Research Chair in Healthy Inclusive Communities
School of Kinesiology
Acadia University

PREVIOUS POSITIONS

- May 2019 – Apr. 2021 **Postdoctoral Fellow**
Faculty of Kinesiology & Physical Education, University of Toronto, Toronto, ON
Supervisor: Dr. Kelly Arbour-Nicitopoulos
Funding: CIHR Postdoctoral Fellowship

LEAVES OF ABSENCE

- Apr. 2021 – Dec. 2021 **Parental Leave**

TRAINING SCHOLARSHIPS & AWARDS (bold font indicates peer-reviewed awards)

2020

- International Society for Autism Research Student/Trainee Travel Award \$500 USD
Note: Funds not distributed due to conference cancellation for COVID-19

2019

- **CIHR Postdoctoral Fellowship** \$135,000

2018

- **CIHR Community Support Award** \$1,000
- McMaster University Teaching Assistantship \$5,500
- McMaster University Department of Kinesiology Travel Scholarship \$1,000
- McMaster University Department of Kinesiology Merit Scholarship \$2,000
- McMaster University Research Scholarship \$8,000

2017

- McMaster University Teaching Assistantship \$5,500
- McMaster University Department of Kinesiology Travel Scholarship \$1,000
- McMaster University Department of Kinesiology Merit Scholarship \$2,000
- McMaster University Research Scholarship \$8,000

2016

- **Vanier Canada Graduate Scholarship (2016-2019)** \$150,000
- **McMaster University Yates Scholarship** \$500
- **CIHR Canada Graduate Scholarship [Declined to accept Vanier CGS]** \$105,000
- McMaster University Teaching Assistantship \$5,500
- McMaster University Department of Kinesiology Travel Scholarship \$1,000
- McMaster University Department of Kinesiology Merit Scholarship \$2,000
- McMaster University Research Scholarship \$12,000

2015

- **Brain Canada Developmental Neurosciences Research Training Award** \$35,000
- **CIHR Community Support Award** \$1,000
- McMaster University Teaching Assistantship \$5,500
- McMaster University Department of Kinesiology Travel Scholarship \$1,000
- McMaster University Department of Kinesiology Merit Scholarship \$1,000
- McMaster University Research Scholarship \$12,000
- **The Journal of Comorbidity DCD11 Best Poster Award** \$450

2014

- McMaster University Teaching Assistantship \$5,225
- McMaster University Department of Kinesiology Travel Scholarship \$1,000
- McMaster University Department of Kinesiology Merit Scholarship \$2,000
- McMaster University Research Scholarship \$20,000
- **1st Place, 3-Minute Thesis Competition, UOIT** \$750
- University of Ontario Institute of Technology Travel Scholarship \$350

2013

- **CIHR Frederick Banting and Charles Best Canada Graduate Scholarship** \$17,500
- **Ontario Graduate Scholarship [Declined to accept CIHR]** \$15,000
- **CIHR Community Support Award** \$1,000
- University of Ontario Institute of Technology Teaching Assistantship \$9,520
- University of Ontario Institute of Technology Travel Scholarship \$200

- University of Ontario Institute of Technology Dean’s Graduate Scholarship \$3,000

2012

- Queen Elizabeth II Graduate Scholarship in Science and Technology** \$15,000
- CIHR Community Support Award** \$1,000
- CIHR Undergraduate: Mobility, Musculoskeletal Health and Arthritis Award** \$4,950
- UOIT, Student Training Assistantship in Research Award** \$6,000
- University of Ontario Institute of Technology Teaching Assistantship \$9,520
- University of Ontario Institute of Technology Travel Scholarship \$425
- University of Ontario Institute of Technology Dean’s Graduate Scholarship \$3,000

PERSONAL CONTINUING EDUCATION

- Multilevel and Mixed Models using R (2-day course: July 30-31, 2019). *Statistical Horizons*, Philadelphia, PA.
- Education 751: Principles and Practices of University Teaching. (Winter 2019). *McMaster University*, Hamilton, ON.
- Methodological Coherence in Qualitative Research (October 17, 2018). *SCAPPS Pre-Conference Workshop*, Toronto, ON.
- Skills of Communication. (October 12, 2018). *Mitacs Canada Workshop*, Hamilton, ON.
- Education 650: Essential Skills in Teaching and Learning. (Fall 2018). *McMaster University*, Hamilton, ON.
- Mediation, Moderation, and Conditional Process Analysis (5-day, 40 hour course: July 16-20, 2018). *Statistical Horizons*, Chicago, IL.
- NeuroDevNet102: An Introduction to Neurodevelopmental Disorders Research. (January – June 2016). *NeuroDevNe Training Program*, Online Course.
- 3rd Biennial ART-NeuroDevNet Banff Winter Institute. (March 30 – April 2, 2016). *NeuroDevNet Training Program*, Banff, AB.
- Vanier and Banting Media Training (November 17, 2016). *Canadian Research Tri-Council*, Online Seminar.

TEACHING

Teaching Awards (1)

2013

- UOIT Teaching Assistant Award of Excellence (awarded for the 2012-2013 academic year; <https://news.uoit.ca/archives/2013/11/2013-uoit-awards-of-excellence-honour-faculty-and-staff-accomplishments.php>)

Undergraduate-level Courses Taught (4)

Semester	Course	Students (N)
Fall 2019	Policy Development for Sport and Physical Activity (HLSC 4405U, Ontario Tech University)	16
Fall 2020	Advanced Adapted Physical Activity (KPE 434, University of Toronto; co-taught with Dr. Patrick Jachyra)	35
Fall 2020	Foundations in Kinesiology (KINE 1000U, Ontario Tech University)	120

Fall 2020	Human Growth and Motor Development (HLSC 2401U, Ontario Tech University)	115
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Undergraduate-level Guest Lectures (9)

Semester	Course	Lecture Time	Students (N)
Fall 2019	Exercise Psychology (KIN 3H03, McMaster University) Lecture 1: Physical Literacy	One 50-min lecture	~120
Winter 2019	Health Psychology (KIN 2G03, McMaster University) Lecture 1: Cognition, Exercise, and Academic Performance	One 50-min lecture	~175
Fall 2018	Exercise Psychology (KIN 3H03, McMaster University) Lecture 1: Physical Literacy	One 50-min lecture	~120
Fall 2017	Exercise Psychology (KIN 3H03, McMaster University) Lecture 1: Physical Literacy	One 50-min lecture	~120
Fall 2016	Exercise Psychology (KIN 3H03, McMaster University) Lecture 1: Physical Literacy across the Life Course	One 50-min lecture	~120
Fall 2016	Human Growth, Motor Development, and Physical Activity (KIN 2F03, McMaster University) Lecture 1: Biological Maturation Lecture 2: Strength and Motor Performance	Two 50-min lectures	~175
Fall 2015	Human Growth, Motor Development, and Physical Activity (KIN 2F03, McMaster University) Lecture 1: Motor Development Lecture 2: Anaerobic Performance	Two 50-min lectures	~175

Teaching Assistantships (19)

Semester	Course	Primary Responsibility
Winter 2018	Exploring Movement and Posture (KIN 3BB3, McMaster University)	Lab Instructor
Winter 2017	Fundamentals of Rehabilitation (KIN 4KK3, McMaster University)	Examination Marker & Student Consultations
Fall 2017, 2014	Musculoskeletal Anatomy (KIN 2E03, McMaster University)	Lab Instructor
Winter 2016	Human Growth and Maturation (KIN 3U03, McMaster University)	Assignment Marker
Fall 2016, 2015	Human Growth, Motor Development, and Physical Activity (KIN 2F03, McMaster University)	Assignment Marker

Fall 2015	Cardiovascular Disease: Pathophysiology and Rehabilitation (KIN 4B03, McMaster University)	Examination Marker
Winter 2015	Exercise Testing and Prescription (KIN 3L03, McMaster University)	Lab Instructor
Winter 2014, 2013	Altered Physiology: Mechanisms of Disease II (HLSC 2463, University of Ontario Institute of Technology)	Lead TA, Tutorial Design, & Tutorial Instructor
Fall 2013, 2012	Altered Physiology: Mechanisms of Disease I (HLSC 2462, University of Ontario Institute of Technology)	Lead TA, Tutorial Design, & Tutorial Instructor
Winter 2014, 2013, 2012	Anatomy and Physiology II (HLSC 1201U, University of Ontario Institute of Technology)	Lead TA, Tutorial Design, & Tutorial Instructor
Fall 2013, 2012, 2011	Anatomy and Physiology I (HLSC 1200U, University of Ontario Institute of Technology)	Lead TA, Tutorial Design, & Tutorial Instructor

Student Supervision & Mentorship (19)

Date	Student	Role
May 2022 – present	Nikki Matthews, Acadia University Kinesiology Honours Graduate (Class of '22), Research Assistant on SSHRC funded grant (May 2022 to April 2023)	Supervisor
May 2022 – present	Sara Szabo, Graduate Student at the University of Alberta, Research Assistant on SSHRC funded grant (May to September 2022)	Supervisor
May 2022 – present	Dragana Javorina, Graduate Student at the University of Toronto, Research Assistant on SSHRC funded grant (May to September 2022)	Supervisor
May 2022 – present	Mae Ru Sanford, Undergraduate Student at McGill University, Research Assistant on Acadia University Research Fund grant (May to September 2022)	Supervisor
2021 – 2023	Nikki Matthews, Kinesiology Undergraduate Honours Thesis Student	Co-Supervisor (with Dr. Seaman)
2019 – 2020	Evan MacEachern, Kinesiology Undergraduate Research Practicum Student	Primary Supervisor
2019 - 2023	Laura St. John, Kinesiology PhD Student	Committee Member
2019 – present	Maeghan James, Kinesiology PhD Student	Mentor
Summer 2018, 2019	Jessica Braun, Neuroscience Undergraduate Summer Co-Op Student	Co-Supervisor (with Drs. Graham & Cairney)

Winter 2018	Elina Provad, Kinesiology Undergraduate Research Practicum Student	Co-Supervisor (with Drs. Graham & Kwan)
Winter 2017	Cecilia Hudecki, Kinesiology Undergraduate Research Practicum Student	Co-Supervisor (with Dr. Kwan)
2017 - 2018	Claire Ferneyhough, Kinesiology Undergraduate Research Volunteer	Co-Supervisor (with Dr. Graham)
2016 - 2019	Niveditha Pattathil, Health Sciences Undergraduate Research Volunteer	Supervisor
2016 – 2018	Cara Docherty, Kinesiology Undergraduate Research Volunteer	Supervisor
2014 - 2020	Chloe Bedard, Health Research, Methods, Evidence, and Impact Graduate Student	Mentor
Summer 2014	Michael Crozier, Kinesiology Undergraduate Summer Research Student	Co-Supervisor (with Dr. Lloyd)
2012 – 2014	Lindsay Smith, Kinesiology Graduate Student	Mentor
2012 – 2014	Natalyn Hibbs, Kinesiology Graduate Student	Mentor
2012 – 2014	Sean Jones, Health Sciences Undergraduate Student	Mentor

Workshop Development and Delivery

- *Behind the Scenes: Investigating the Investigators*, NAFAPA Student Webinar 2020. Co-led with Ms. A. Chloe Simpson (West Virginia University).
- *From Paper to Practice: Identifying Internal Biases*, NAFAPA Student Webinar 2020. Co-led with Ms. A. Chloe Simpson (West Virginia University).
- *Faculty-Student Speed Social*, NAFAPA Student Webinar 2020. Co-led with Ms. A. Chloe Simpson (West Virginia University).
- *Building on Existing Strengths and Lessening Current Barriers to Physical Activity for Autistic Individuals across the Lifespan*, INSAR Special Interest Group 2019. Co-led with Drs. Colombo-Dougovito (University of North Texas) and Blagrove (CSU Chico).
- *Mediation and Moderation Analysis Techniques*, SCAPPS 2019 Pre-conference Workshop. Co-led with Drs. Brown (University of Toronto) and Graham (McMaster University).

SCHOLARLY ACTIVITY

Research Funding – Under Review (3)

1. Reed, N. (PI), Arbour-Nicitopoulos, K., **Bremer, E. (Co-Investigator)**, Davies, T., Isaak, K., Fuselli, P., Cowle, S. (2022-2024). Concussion education for Canadian athletes with intellectual disabilities: Establishing priorities and taking action through a Concussion Advisory Committee. *University of Toronto Community Partnership Research Program.* **\$86,460**

2. Timmons, B. (PI), Longmuir, P., Obeid, J., Takken, T., Arbour-Nicitopoulos, K., **Bremer, E. (Co-Applicant)**. (2022-2025). Movement behaviours and health indicators in children with a chronic medical condition or disability: An international multicentre program (MOMENTUM). *CIHR Project Grant*. **\$610,000**

Research Funding - Received (13)

1. Tremblay, M. (PI), Antsygina, O., **Bremer, E. (Co-Applicant)**, Caldwell, H., Carson, V., Faulkner, G., Florindo, A., Kuzik, N., Lubree, H., Mwase-Vuma, T., Okely, A., Pagani, L., Reilly, J., Tucker, T. (2022-2025). SUNRISE International Study of Movement Behaviours in the Early Years. *CIHR Project Grant*. **\$1,514,700**
2. Latimer-Cheung, A. (PI), DaSilva, P., Tomasone, J., Martin Ginis, K., Leo, J., **Bremer, E. (Co-Applicant)**. (2022-2023). Canadian Disability Participation Project 2.0: Developing, Implementing and Evaluating Quality Sport, Exercise and Play Experiences for Canadians with Disabilities. *SSHRC Partnership Grant, LOI*. **\$20,000**
3. **Bremer, E.** (PI). (April 2022 – April 2023). Transformative learning through S.M.I.L.E.: Experiences and perceptions from former student volunteers. *Acadia University Research Fund*. **\$5,000**
4. Reed, N. (PI), Arbour-Nicitopoulos, K., **Bremer, E.** (March 2022 – March 2023). An annual ‘Concussion Practice’: Co-creating a concussion education toolkit for Special Olympics Canada coaches to share with athletes and their caregivers. *Special Olympics Canada Research Grant*. **\$20,000**
5. **Bremer, E. (PI)**. (January 2022 – December 2026). Canada Research Chair (Tier II) in Healthy Inclusive Communities. *Canada Research Chairs Program*. **\$600,000**
6. **Bremer, E. (PI)**, Arbour-Nicitopoulos, K., Leo, J., & Seaman, R. (July 2021 – June 2023). Developing and testing a home-based adapted physical activity program for children and youth with disabilities. *SSHRC Insight Development Grant*. **\$66,646**
7. Reed, N. (PI), Arbour-Nicitopoulos, K., **Bremer, E.** (April 2021 – March 2022). Evaluation of Rowan’s Law Concussion Awareness Resources for Athletes of All Abilities: A Caregiver’s Perspective with Special Olympics Canada. *Special Olympics Canada Research Grant*. **\$24,878**
8. **Bremer, E.** & Seaman, R. (March 2020 – February 2021). Evaluating the effect of S.M.I.L.E. on physical literacy and physical activity among school-aged children with disabilities. *Special Olympics Canada*. **\$10,000**
9. Obeid, J. (PI), Batthish, M., Bedard, C., **Bremer, E.**, Gorter, J.W., King-Dowling, S., Zuccolo, J. (January 2020 – June 2021). Rheum 2 Play: Design, implementation, and evaluation of an activity toolkit to improve fundamental movement skills in juvenile idiopathic arthritis. *Hamilton Health Sciences New Investigator Fund, Fall 2019*. **\$49,514**
10. Cairney, J., & **Bremer, E.** (May 2017 – August 2018). A pilot study of the effect of acute exercise on executive functioning in children with autism spectrum disorder. *Special Olympics Canada*. **\$9,848**

11. Cairney, J., & **Bremer, E.** (March 2016 – April 2017). Measuring the fitness of kids with autism spectrum disorder: The FitKids study. *Special Olympics Canada*. **\$12,000**
12. **Bremer, E.**, & Cairney, J. (2015). Assessing fundamental motor skills, physical activity, and physical fitness in 4 to 5 year old children with autism spectrum disorder. *North American Society for Pediatric Exercise Medicine*. Graduate Study Research Grant. **\$1,000**
13. Lloyd, M., & **Bremer, E.** (2013 – 2014). School-based motor skill intervention for children with autism spectrum disorder. *Special Olympics Canada*. **\$7,000**

Refereed Journal Articles (31)

1. Arbour-Nicitopoulos, K., **Bremer, E.**, Leo, J., & Wright, F.V. (2022). A pragmatic approach to measuring physical literacy and behavioural outcomes in youth with and without disabilities. *Leisure/Loisir*, DOI: 10.1080/14927713.2022.2085157
2. **Bremer, E.**, Liska, T. M., Arbour-Nicitopoulos, K. P., Best, K. L., & Sweet, S. N. (2022). Examining long-term motivational and behavioral outcomes of two physical activity interventions. *The Journal of Spinal Cord Medicine*, DOI: 10.1080/10790268.2022.2033935
3. Bedard C., **Bremer E.**, Graham J.D., Chirico D., & Cairney J. (2021). Examining the effects of acute cognitively engaging physical activity on cognition in children. *Frontiers in Psychology*, DOI: 10.3389/fpsyg.2021.653133
4. Graham, J.D., **Bremer, E.**, Fenesi, B., & Cairney, J. (2021). Examining the acute effects of classroom-based physical activity breaks on executive functioning in children: Single and additive moderation effects of physical fitness. *Frontiers in Pediatrics*, DOI: 10.3389/fped.2021.688251
5. **Bremer, E.**, & Lloyd, M. (2021). Baseline behaviour moderates movement skill intervention outcomes among young children with autism spectrum disorder. *Autism*, 25(7): 2025-2033. doi: 10.1177/13623613211009347.
6. Jefferies, P., **Bremer, E.**, Kozera, T., Cairney, J., & Kriellaars, D. (2020). Psychometric properties and construct validity of PLAYself: A self-reported measure of physical literacy for children and youth. *Applied Physiology, Nutrition, and Metabolism*. DOI: 10.1139/apnm-2020-0410
7. Graham, J.D., **Bremer, E.**, Bedard, C., Dutta, P., Ogradnick, M., & Cairney, J. (2020). Acute effects of an afterschool running and reading program on executive functioning in children: An exploratory study. *Frontiers in Public Health*. doi: 10.3389/fpubh.2020.593916.
8. **Bremer, E.**, Martin Ginis, K.A., Bassett-Gunter, R.L., & Arbour-Nicitopoulos, K.P. (2020). Factors associated with participation in physical activity among Canadian school-aged children with autism spectrum disorder: An application of the International Classification of Functioning, Disability and Health. *International Journal of Environmental Research and Public Health*, 17, 5925. DOI: 10.3390/ijerph17165925
9. James, M.E., Bedard, C., **Bremer, E.**, & Cairney, J. (2020). The acceptability and feasibility of a preschool intervention targeting motor, social, and emotional development. *Frontiers in Pediatrics*. DOI: 10.3389/fped.2020.00319

10. **Bremer, E.,** & Cairney, J. (2020). The impact of participation in the Olympics on post-Olympic performance in professional ice hockey players. *Frontiers in Sports and Active Living*. DOI: 10.3389/fspor.2020.00076
11. **Bremer, E.,** Graham, J.D., Heisz, J.J., & Cairney, J. (2020). Effect of acute exercise on prefrontal oxygenation and inhibitory control among male children with autism spectrum disorder: An exploratory study. *Frontiers in Behavioral Neuroscience*. DOI: 10.3389/fnbeh.2020.00084
12. **Bremer, E.,** Graham, J.D., & Cairney, J. (2020). Outcomes and feasibility of a 12-week physical literacy intervention for children in an afterschool program. *International Journal of Environmental Research and Public Health*, 17, 3129. DOI: 10.3390/ijerph17093129
13. Bedard, C., **Bremer, E.,** & Cairney, J. (2019). Evaluation of the Move 2 Learn program, a community-based movement and pre-literacy intervention for young children. *Physical Education & Sport Pedagogy*. DOI: 10.1080/17408989.2019.1690645
14. **Bremer, E.,** & Cairney, J. (2019). Adaptive behavior moderates health-related pathways in children with Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*. DOI: 10.1007/s10803-019-04277-6
15. **Bremer, E.,** Graham, J.D., Bedard, C., Rodriguez, C., Kriellaars, D., & Cairney, J. (2019). The association between PLAYfun and physical activity: A convergent validation study. *Research Quarterly for Exercise and Sport*. DOI: 10.1080/02701367.2019.1652723
16. **Bremer, E.,** & Cairney, J. (2019). Reliable and feasible fitness testing for children on the autism spectrum. *Research Quarterly for Exercise and Sport*. DOI: 10.1080/02701367.2019.1623367.
17. Bedard, C., St John, L., **Bremer, E.,** Graham, J.D., & Cairney, J. (2019). A systematic review and meta-analysis on the effects of physically active classrooms on educational and enjoyment outcomes in school age children. *PLOS ONE*. DOI: 10.1371/journal.pone.0218633.
18. Kwan, M., Graham, J.D., Bedard, C., **Bremer, E.,** Healey, C., & Cairney, J. (2019). Examining the effectiveness of a pilot physical literacy-based intervention targeting first year university students: The PLUS program. *SAGE Open*. DOI: 10.1177/2158244019850248.
19. **Bremer, E.,** & Cairney, J. (2018). The interrelationship between motor coordination and adaptive behavior in children with autism spectrum disorder. *Frontiers in Psychology*. DOI: 10.3389/fpsyg.2018.02350
20. **Bremer, E.,** Graham, J. D., Veldhuizen, S., & Cairney, J. (2018). A program evaluation of an in-school daily physical activity initiative for children and youth. *BMC Public Health*, 18:1023. DOI: 10.1186/s12889-018-5943-2.
21. Cairney, J., Veldhuizen, S. Graham., J. D., Rodriguez, C., Bedard, C., **Bremer, E.,** & Kriellaars, D. (2018). A construct validation study of PLAYfun. *Medicine & Science in Sports & Exercise*, 50, 855-862. DOI: 10.1249/MSS.0000000000001494
22. Cairney, J., Chirico, D., Li, Y-C., **Bremer, E.,** & Graham, J. D. (2018). Are Canadian-born Major League Baseball Players More likely to Bat Left-handed? A partial test of the hockey-influence on batting hypothesis. *PLOS ONE*. DOI: 10.1371/journal.pone.0195252.
23. Bedard, C., **Bremer, E.,** Campbell, W., & Cairney, J. (2017). Evaluation of a direct-instruction intervention to improve movement and pre-literacy skills among young children: A within-subject repeated measures design. *Frontiers in Pediatrics*. DOI: 10.3389/fped.2017.00298.

24. Bedard, C., **Bremer, E.**, Campbell, W., Cairney, J. (2017). A quasi-experimental study of a movement and pre-literacy program for 3 and 4 year old children. *Frontiers in Pediatrics*. DOI: 10.3389/fped.2017.00094.
25. Jones, S., **Bremer, E.**, & Lloyd, M. (2016). Autism spectrum disorder: Family quality of life while waiting for intervention services. *Quality of Life Research*. DOI: 10.1007/s11136-016-1382-7
26. **Bremer, E.**, & Cairney, J. (2016) Fundamental movement skills and health-related outcomes: A narrative review of longitudinal and intervention studies targeting typically developing children. *American Journal of Lifestyle Medicine*. DOI: 10.1177/1559827616640196
27. **Bremer, E.**, Crozier, M., & Lloyd, M. (2016). A systematic review of the behavioural outcomes following exercise interventions for children and youth with autism spectrum disorder. *Autism*. DOI: 10.1177/1362361315616002
28. **Bremer, E.** & Lloyd, M. (2016). School-based fundamental motor skill intervention for children with autism-like characteristics: An exploratory study. *Adapted Physical Activity Quarterly*, 33(1), 66-88. DOI: 10.1123/APAQ.2015-0009
29. **Bremer, E.**, Balogh, R., & Lloyd, M. (2014). Effectiveness of a fundamental motor skill intervention for 4 year old children with autism spectrum disorder: A pilot study. *Autism*, epub Nov. 28, 2014. DOI: 10.1177/1362361314557548
30. **Bremer, E.**, & Lloyd, M. (2014). The importance of fundamental motor skill proficiency for physical activity in elementary school age females. *Revue phénEPS/PHEnex Journal*, 6(2), 1-12.
31. Lloyd, M., Saunders, T., **Bremer, E.**, & Tremblay, M. (2014). Long-term importance of fundamental motor skills: A 20 year follow-up study. *Adapted Physical Activity Quarterly*, 31(1), 67-78.

Scholarly Impact†

	Citation Indices	
	All Years	Since 2017
Citations	1078	1011
h-index	15	15
i10-index	20	20

†Source: Google Scholar, July 25, 2022

Published Conference Abstracts (21)

1. **Bremer, E.**, Matthews, N., & Seaman, R. (2022). Bringing S.M.I.L.E. home: A pilot feasibility study of an at-home adapted physical activity program. [Abstract]. *Journal of Sport and Exercise Psychology*, 44(s13): Proceedings of the NASPSPA 2022 Annual Conference. DOI: 10.1123/jsep.2022-0071
2. **Bremer, E.**, Arbour-Nicitopoulos, K., Routhier, F., Best, K., Rocchi, M., Kairy, D., Borisoff, J., & Sweet, S. (2021). Long-term follow-up of two physical activity interventions among adults with spinal cord injury. [Abstract]. *Annals of Behavioral Medicine*, 55, S297.
3. Arbour-Nicitopoulos, K., Wright, F., **Bremer, E.**, & Leo, J. (2021). Physical literacy and behaviour outcomes associated with program participation in youth with and without disabilities. [Abstract]. *Developmental Medicine & Child Neurology*, 63 (Suppl. 3), 5–68, DOI: 10.1111/dmcn.15004

4. **Bremer, E.**, Graham, J.D., Heisz, J., & Cairney, J. (2019). The acute effect of exercise on executive function in children with autism spectrum disorder. [Abstract]. *Journal of Sport and Exercise Psychology*, 41(s1): Proceedings of the NASPSPA 2019 Annual Conference. DOI: 10.1123/jsep.2019-0082
5. James, M.E., Graham, J.D., De Lisa, K., **Bremer, E.**, & Cairney, J. (2019). Examining the role of physical activity between grit and self-concept in children and adolescents. [Abstract]. *Journal of Exercise, Movement, and Sport*, 51(1): Proceedings of the SCAPSS 2019 Annual Conference.
6. **Bremer, E.**, Graham, J.D., Mitchell, D., & Cairney, J. (2019). The physical literacy for communities project: Year 1 findings and next steps. [Abstract]. *Journal of Exercise, Movement, and Sport*, 50(1): Proceedings of the SCAPSS 2018 Annual Conference.
7. Graham, J.D., Bedard, C., **Bremer, E.**, & Cairney, J. (2019). Systematic review of the effects of physical activity on mental health outcomes in children and adolescents with neurodevelopmental disorders. [Abstract]. *Journal of Exercise, Movement, and Sport*, 50(1): Proceedings of the SCAPSS 2018 Annual Conference.
8. Healey, C., Graham, J.D., Bedard, C., **Bremer, E.**, Cairney, J., & Kwan, M. (2019). Examining the effectiveness of a pilot physical literacy-based intervention targeting first year university students: The PLUS program. [Abstract]. *Journal of Exercise, Movement, and Sport*, 50(1): Proceedings of the SCAPSS 2018 Annual Conference.
9. **Bremer, E.**, & Cairney, J. (2018) Test-retest reliability of select fitness assessments in 7-12 year old children with autism spectrum disorder. *Pediatric Exercise Science*, 30(4 Suppl 1):S5. DOI: 10.1123/pes.2018-S1.
10. Bedard, C., **Bremer, E.**, Graham, J.D., Chirico, D., & Cairney, J. (2018) Effects of different physical and sedentary activities on executive function in children. *Pediatric Exercise Science*, 30(4 Suppl 1):S3. DOI: 10.1123/pes.2018-S1.
11. Graham, J.D., **Bremer, E.**, Fenesi, B., Heisz, J., & Cairney, J. (2018) Effects of acute classroom-based physical activity breaks on cerebral blood flow regulation and cognition: A pilot study. *Pediatric Exercise Science*, 30(4 Suppl 1):S11. DOI: 10.1123/pes.2018-S1.
12. Rodriguez, M.C., **Bremer, E.**, King-Dowling, S., & Cairney, J. (2018) Comparing children's activity levels in organized ice hockey practice sessions. *Pediatric Exercise Science*, 30(4 Suppl 1):S28. DOI: 10.1123/pes.2018-S1.
13. **Bremer, E.**, Graham, J.D., & Cairney, J. (2018). Longer, further, faster: Associations between fitness and executive functions in children. *Journal of Sport & Exercise Psychology*. DOI: 10.1123/jsep.2018-0169.
14. Bedard, C., **Bremer, E.**, Graham, J.D., Chirico, D., & Cairney, J. (2018). Perceptions of exertion and feeling state in children during different physical and sedentary activities. *Journal of Sport & Exercise Psychology*. DOI: 10.1123/jsep.2018-0169.
15. Graham, J.D., **Bremer, E.**, & Cairney, J. (2018). Effects of a 6-week classroom-based physical activity intervention on executive functioning and math performance in children. *Journal of Sport & Exercise Psychology*. DOI: 10.1123/jsep.2018-0169.
16. Graham, J.D., **Bremer, E.**, & Cairney, J. (2017) Effects of different doses and types of classroom-based physical activity breaks on cognition. *Journal of Exercise, Movement, and Sport*, 49(1), 171.

17. **Bremer, E.**, & Cairney, J. (2016) Measuring fitness in children with autism spectrum disorder: Preliminary results from the FitKids study. *Pediatric Exercise Science*. DOI: 10.1123/pes.2016.0242
18. Bedard C., **Bremer E.**, Campbell W., & Cairney J. (2016) The effectiveness of a motor and pre-literacy community-based program in preschool aged children. *Pediatric Exercise Science*. DOI: 10.1123/pes.2016.0242
19. Graham, J., **Bremer, E.**, Kwan, M., Clark, H., Veldhuizen, S., & Cairney, J. (2016) From Start2Finish: Evaluation of an in-school physical activity program for children and youth. *Pediatric Exercise Science*. DOI: 10.1123/pes.2016.0242
20. Bedard C., **Bremer E.**, Campbell W., & Cairney J. (2015). Play and Pre-literacy Among Young Children: The PLAY Project Proposal. *Pediatric Exercise Science*. DOI: 10.1123/pes.2015-27.3.1
21. **Bremer, E.**, Missiuna, C., Timmons, B., & Cairney, J. (2015). Differences in motor milestone attainment in 4- and 5- year old children at risk for Developmental Coordination Disorder. *Journal of Comorbidity*. DOI:10.15256/joc.2015.5.52

Refereed Conference Proceedings (7)

1. Graham, J. D., **Bremer, E.**, Nair, K., Rodriguez, C., Mitchell, D., & Cairney, J. (2017). Making Movement Matter: Results from a training workshop on afterschool programs leaders' cognitions for implementing a gender inclusive physical literacy program. *Proceedings of the 3rd Biannual meeting of the International Physical Literacy Conference*, p. 14.
2. Cairney, J., **Bremer, E.**, & Graham, J. D. (2017). Understanding the gender gap in physical literacy: A mixed methods study. *Proceedings of the 3rd Biannual meeting of the International Physical Literacy Conference*, p. 18.
3. **Bremer, E.**, Graham, J. D., & Cairney, J. (2017). Making Movement Matter – Addressing the Gender Gap in Physical Literacy. Invited presentation, Ontario Physical Literacy Summit.
4. Graham, J. D., **Bremer, E.**, Kwan, M., Clark, K., Veldhuizen, S., & Cairney, J. (2016, August). *From Start2Finish: Evaluation of an in-school physical activity program for children and youth*. Paper presented at the annual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
5. **Bremer, E.**, & Cairney, J. (2016) *Measuring fitness in children with autism spectrum disorder: Preliminary results from the FitKids study*. Paper presented at the annual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
6. Bedard C., **Bremer E.**, Campbell W., & Cairney J. (2016) *The effectiveness of a motor and pre-literacy community-based program in preschool aged children*. Paper presented at the annual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
7. Bedard C., **Bremer E.**, Campbell W., & Cairney J. (2016). *Play and Pre-literacy Among Young Children: The PLAY Project Proposal*. Paper presented at the annual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.

Refereed Conference Presentations (40)

1. Wynarczyk, K., **Bremer, E.**, Kulpery, J., & Spelic, S. (2022, February). *Patient and family engagement in research: 15 ideas to disseminate research to participants and stakeholders*. Poster presented at the American Physical Therapy Association, 2022 Combined Sections Meeting, San Antonio, TX.
2. Wheeler, K., Lee Hong, A., Cairney, J., James, M., Bedard, C., **Bremer, E.**, Louth, S., Martin, K., Berger, E., Beckman, E., (2021, October) *Movement promotes socioemotional learning: opportunities for Indigenous child development*, Indigenous, Allied Health Association National Conference 2021, Sunshine Coast, QLD.
3. Wheeler, K., Cairney, J., Louth, S., Lee Hong, A., Martin, K., Berger, E., Bedard, C., Beckman, E., James, M. and **Bremer, E.** (2021, September). *Importance of culturally reflective learning as part of fundamental movement skills development in Aboriginal children*, International Motor Development Research Consortium 5th Assembly, Virtual; www.motordevelopment.gr
4. Metcalfe, M., **Bremer, E.**, Arbour-Nicitopoulos, K., Noronha, J. & Reed, N. (2020, June). *Rowan's Law: Exploring access for athletes with intellectual disabilities*. Paper presented at the Canadian Traumatic Brain Injury Research Consortium 9th Scientific Meeting, Virtual Conference.
5. **Bremer, E.**, Arbour-Nicitopoulos, K., Routhier, F., Best, K., Rocchi, M., Kairy, D., Borisoff, J., & Sweet, S. (2020, May). *Long-term follow-up of a tele-rehabilitation exercise intervention for adults with spinal cord injury*. Abstract accepted for presentation at the REPAR-INTER Scientific Day 2020, Sherbrooke, QC. *Note: Conference cancelled due to COVID-19.*
6. **Bremer, E.**, Martin Ginis, K.A., Bassett-Gunter, R.L., & Arbour-Nicitopoulos, K.P. (2020, May). *Participation in physical activity, sport, and physical education among Canadian children and youth on the autism spectrum*. Abstract accepted for presentation at the annual meeting of the International Society for Autism Research, Seattle, WA. *Note: Conference cancelled due to COVID-19.*
7. **Bremer, E.**, Graham, J.D., Heisz, J.J., & Cairney, J. (2019, June). *The acute effect of exercise on executive function in children with autism spectrum disorder*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Baltimore, MD.
8. **Bremer, E.**, Graham, J.D., & Cairney, J. (2019, May). *Exploring the physical literacy construct in elementary school-aged children*. Paper presented at the 4th biannual meeting of the International Physical Literacy Conference, Winnipeg, MB.
9. **Bremer, E.**, Graham, J.D., Mitchell, D., & Cairney, J. (2018, October). *The physical literacy for communities project: Year 1 findings and next steps*. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Toronto, ON.
10. Graham, J.D., Bedard, C., **Bremer, E.**, & Cairney, J. (2018, October). *Systematic review of the effects of physical activity on mental health outcomes in children and adolescents with neurodevelopmental disorders*. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Toronto, ON.
11. Healey, C., Graham, J.D., Bedard, C., **Bremer, E.**, Cairney, J., & Kwan, M. (2018, October). *Examining the effectiveness of a pilot physical literacy-based intervention targeting first year university students: The PLUS program*. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Toronto, ON.
12. **Bremer, E.**, Graham, J.D., & Cairney, J. (2018, October). *A pilot study of the acute effect of exercise on the sustained attention of children with autism spectrum disorder*. Paper presented at the biannual meeting of the North American Federation of Adapted Physical Activity, Corvallis, OR.

13. **Bremer, E.,** & Cairney, J. (2018, August). *Test-retest reliability of select fitness assessments in 7-12 year old children with autism spectrum disorder*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Oakland, CA.
14. Graham, J.D., **Bremer, E.,** Fenesi, B., Heisz, J., & Cairney, J. (2018, August). *Effects of an acute classroom-based physical activity break on cerebral blood flow regulation and cognition: A pilot study*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Oakland, CA.
15. Bedard, C., **Bremer, E.,** Graham, J.D., Chirico, D., & Cairney, J. (2018, August). *Effects of different physical and sedentary activities on executive function in children*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Oakland, CA.
16. Rodriguez, M.C., **Bremer, E.,** King-Dowling, S., & Cairney, J. (2018, August). *Comparing children's activity levels in organized ice hockey practice sessions*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Oakland, CA.
17. **Bremer, E.,** Graham, J.D., & Cairney, J. (2018, June). *Longer, further, faster: Associations between fitness and executive functions in children*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.
18. Bedard, C., **Bremer, E.,** Graham, J.D., Chirico, D., & Cairney, J. (2018, June). *Perceptions of exertion and feeling state in children during different physical and sedentary activities*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.
19. Graham, J.D., **Bremer, E.,** & Cairney, J. (2018, June). *Effects of a 6-week classroom-based physical activity intervention on executive functioning and math performance in children*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.
20. Graham, J. D., **Bremer, E.,** & Cairney, J., (2017, October). *Effects of different doses and types of classroom-based physical activity breaks on cognition*. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, St. John's, NL.
21. **Bremer, E.,** & Cairney, J. (2017, July). Exploring probable-DCD in a sample of children with Autism Spectrum Disorder. Paper presented at the International Conference on Developmental Coordination Disorder, Perth, Australia.
22. Graham, J. D., **Bremer, E.,** Nair, K., Rodriguez, C., Mitchell, D., & Cairney, J. (2017, April). *Making Movement Matter: Results from a training workshop on afterschool programs leaders' cognitions for implementing a gender inclusive physical literacy program*. Paper presented at the 3rd biannual meeting of the International Physical Literacy Conference, Toronto, ON.
23. Cairney, J., **Bremer, E.,** & Graham, J. D. (2017, April). *Understanding the gender gap in physical literacy: A mixed methods study*. Paper presented at the 3rd biannual meeting of the International Physical Literacy Conference, Toronto, ON.
24. Schenkelberg, M., Menear, K., MacDonald, M., & **Bremer, E.** (2016, October). *Salient research questions related to physical activity and autism spectrum disorder*. Building session presented at the biannual meeting of the North American Federation of Adapted Physical Activity, Edmonton, AB.

25. **Bremer, E.,** & Cairney, J. (2016, August). *Measuring fitness in children with autism spectrum disorder: Preliminary results from the FitKids study*. Paper presented at the annual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
26. Graham, J. D., **Bremer, E.,** Kwan, M., Clark, K., Veldhuizen, S., & Cairney, J. (2016, August). *From Start2Finish: Evaluation of an in-school physical activity program for children and youth*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
27. Bedard C., **Bremer E.,** Campbell W., & Cairney J. (2016, August) *The effectiveness of a motor and pre-literacy community-based program in preschool aged children*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
28. Bedard C., **Bremer E.,** Campbell W., & Cairney J. (2016, August). *Play and Pre-literacy Among Young Children: The PLAY Project Proposal*. Paper presented at the biannual meeting of the North American Society for Pediatric Exercise Medicine, Knoxville, TN.
29. **Bremer, E.,** & Lloyd, M. (2016, May). *Directly measured physical activity of 4 year old children with autism spectrum disorder*. Paper presented at the annual meeting of the International Society for Autism Research, Baltimore, MD.
30. **Bremer, E.,** & Kwan, M. (2016, March). *Understanding the contextual factors influencing physical activity behaviour of first-year university students: A proposed study using ecological momentary assessment*. Paper presented at the Eastern Canada Sport & Exercise Psychology Symposium, Hamilton, ON.
31. Bedard, C., **Bremer, E.,** Campbell, W., & Cairney, J. (2015, August). *Play and pre-literacy among young children: The PLAY Project*. Paper presented at the Pediatric Work Physiology Meeting, Utrecht, Netherlands.
32. **Bremer, E.,** Missiuna, C., Timmons, B., & Cairney, J. (2015, July). *Differences in motor milestone attainment in 4- and 5- year old children at risk for Developmental Coordination Disorder*. Paper presented at the International Conference on Developmental Coordination Disorder, Toulouse, France.
33. **Bremer, E.** & Lloyd, M. (2014, October) *Exploring a fundamental motor skill intervention for 4 year old children with autism spectrum disorder*. Paper presented at the North American Federation of Adapted Physical Activity, Ann Arbor, MI.
34. **Bremer, E.** & Lloyd, M. (2014, October) *School-based fundamental motor skill intervention for 4-7 year old children with autism spectrum disorder*. Paper presented at the North American Federation of Adapted Physical Activity, Ann Arbor, MI.
35. Jones, S., **Bremer, E.,** & Lloyd, M. (2014, October) *The impact of leisure and recreational activity participation on the quality of life of families with a child with autism spectrum disorder*. Paper presented at the North American Federation of Adapted Physical Activity, Ann Arbor, MI.
36. **Bremer, E.,** & Lloyd, M. (2014, May). *Social outcomes of a fundamental motor skill intervention for 4 year old children with autism spectrum disorder*. Paper presented at the International Meeting for Autism Research, Atlanta, GA.
37. Lloyd, M., Jones, S., & **Bremer, E.** (2014, May). *Quality of life of families with a child with ASD on an applied behaviour analysis waitlist*. Paper presented at the International Meeting for Autism Research, Atlanta, GA.

38. **Bremer, E.**, Lloyd, M. (2013, July). *Motor skill intervention for 4 Year old children with Autism Spectrum Disorder: A pilot study*. Paper presented at the International Symposium of Adapted Physical Activity, Istanbul, Turkey.
39. Lloyd, M., **Bremer, E.**, & Mangal, J. (2013, July). *Motor skills and physical activity in 6-10 year old children with and without Down syndrome*. Paper presented at the International Symposium of Adapted Physical Activity, Istanbul, Turkey.
40. **Bremer, E.**, Saunders, T., Lloyd, M., & Tremblay, M. (2012, October). *A 20-year follow-up of physical activity in children with and without movement difficulties*. Paper presented at the North American Federation of Adapted Physical Activity, Birmingham, AL.

Non-refereed Conference Presentations (12)

1. **Bremer, E.** (2021, November). Physical literacy, physical activity, and health: Intervening among children and youth. Invited presentation at the Acadia University AKS Speaker Series, Wolfville, NS.
2. **Bremer, E.** (2020, March). Physical literacy, physical activity, and health: Intervening among children and youth. Invited presentation at the Ontario Tech University Faculty of Health Sciences Graduate Seminar, Virtual Presentation.
3. **Bremer, E.** (2020, January). An interdisciplinary model of physical activity for children and youth with autism spectrum disorder. Invited Presentation at the Brock University Student Kinect Conference, St. Catharines, ON.
4. Graham, J. D., **Bremer, E.**, Mitchell, D. & Cairney, J. (2018, September). *Classroom-based physical activity breaks and the Physical Literacy for Communities Project: An update of our findings and future directions*. Annual Meeting of the Ontario Physical Literacy Summit, Hamilton, ON
5. **Bremer, E.**, Graham, J. D., & Cairney, J. (2017, September). *Making Movement Matter – Addressing the Gender Gap in Physical Literacy*. Annual Meeting of the Ontario Physical Literacy Summit, Hamilton, ON
6. **Bremer, E.**, Smyth, C., & Lloyd, M. (2015). *Fundamental motor skills: Movement is social*. Invited Presentation to the Durham Catholic District School Board – Reaching Out Autism Awareness Conference, Whitby, ON.
7. **Bremer, E.** (2014). *Importance of fundamental motor skill interventions for children with autism spectrum disorder*. Invited Presentation to the Offord Centre for Child Studies, Hamilton, ON.
8. **Bremer, E.**, & Lloyd, M. (2014, May). *Investigating the effectiveness of a fundamental motor skill intervention for 4 year old children with autism spectrum disorder*. Invited Presentation to the Grandview Children’s Centre, Board of Directors, Oshawa, ON.
9. **Bremer, E.**, Smith, L., & Lloyd, M. (2013, November). *The importance of implementing motor skill interventions for 3-5 year old children with developmental disabilities: Strategies and examples*. Workshop presented at the Health and Wellbeing in Developmental Disabilities conference, Toronto, ON.
10. Jones, S., **Bremer, E.**, & Lloyd, M. (2013, November). *Discrepancies between disability-related services available and services accessed by children with Autism Spectrum Disorder in Durham Region*. Paper presented at the Health and Wellbeing in Developmental Disabilities conference, Toronto, ON.

11. **Bremer, E.,** Mangal, J., & Lloyd, M. (2011, November). *A comparison of the physical activity behaviour of a 10 year old boy with Down syndrome and a 10 year old boy with typical development.* Paper presented at the Health and Wellbeing in Developmental Disabilities conference, Toronto, ON.
12. Mangal, J., **Bremer, E.,** & Lloyd, M. (2011, November). *Twins: One with Down syndrome, one with typical development - A comparison of their fundamental motor skills and physical activity engagement.* Paper presented at the Health and Wellbeing in Developmental Disabilities conference, Toronto, ON.

SERVICE

SERVICE TO UNIVERSITY AND ACADEMIC COMMUNITIES

Acadia University

CIHR University Delegate for Acadia University, Canadian Institutes of Health Research. 2022 – present. Attend monthly CIHR University Delegates meetings; review meeting materials; report pertinent CIHR-related information back to Research and Grad Studies at Acadia. Serve as a proponent and voice for Acadia on the committee.

NSERC CGS-M Internal Reviewer, March 2022

Reviewed and ranked four NSERC CGS-M internal applications for Acadia.

School of Kinesiology Council, January 2022 – present

Attend and participate in regular School of Kinesiology Council meetings.

Master of Applied Kinesiology Council, January 2022 - present

Review documents and attend and participate in meetings regarding the Master of Applied Kinesiology program implementation.

Academic Community

Journal Reviewer (years active)

- *Adapted Physical Activity Quarterly* (2014 - 2022)
- *Autism* (2016 - 2020)
- *Autism Research* (2019)
- *Early Childhood Development and Care* (2022)
- *Focus on Autism and Other Developmental Disabilities* (2019)
- *Frontiers in Psychology* (2019)
- *Games for Health Journal* (2019)
- *International Journal of Developmental Disabilities* (2020-2022)
- *Journal of Applied Research in Intellectual Disabilities* (2018)
- *Journal of Autism and Developmental Disorders* (2014 - 2020)
- *Journal of Developmental & Behavioral Pediatrics* (2020)
- *Journal of Child and Family Studies* (2018)
- *Journal of Child Health Care* (2017)
- *Journal of Early Childhood Development and Care* (2018)
- *Journal of Physical Activity and Health* (2017 - 2020)
- *Journal of Science and Medicine in Sport* (2016 - 2017)
- *Journal of Sports Sciences* (2016)
- *Journal of Sport and Health Science* (2018)
- *Medicine & Science in Sports & Exercise* (2016 - 2020)

- *Mental Health and Physical Activity* (2020)
- *Pediatric Exercise Science* (2016 - 2022)
- *Research in Autism Spectrum Disorders* (2019 - 2021)
- *Research in Developmental Disabilities* (2016)
- *Research Quarterly for Exercise and Sport* (2019 - 2022)

Reviewer, Mitacs Accelerate, June 2022

Reviewer, Canada Graduate Studies - Doctoral Awards Committee, *Canadian Institutes of Health Research*. 2020-2021.

Student Representative, Board of Directors (Elected), *North American Federation of Adapted Physical Activity*. October 2014 to 2020.

Kinesiology Student Research Ethics Committee, *McMaster University Research Ethics Board*. September 2016 to April 2019.

Professional Memberships

- North American Federation of Adapted Physical Activity
- North American Society for Pediatric Exercise Medicine
- North American Society for the Psychology of Sport and Physical Activity
- Canadian Society for Psychomotor Learning and Sport Psychology
- International Society for Autism Research
- Society of Behavioral Medicine

Invited Judge, Undergraduate Health Sciences Research Practicum Poster Day, *University of Ontario Institute of Technology*. April 2013/2014/2016.

MHSc Internal Program Review Committee, *University of Ontario Institute of Technology*. January – June 2015.

SERVICE TO THE COMMUNITY

Physical Literacy Assessment for Youth (PLAY) - Trainer

- MLSE LaunchPad, Toronto, ON. November 2017
- University of British Columbia, Vancouver, BC. October 2017.
- Tufts University, Boston, MA. January 2017.
- McMaster University, Hamilton, ON. January 2017 - present.
- University of Toronto, Toronto, ON. October 2018 – present.
- Active Sudbury, Sudbury, ON. October 2018.

Invited Speaker, *Opportunities in Kinesiology*, presented to the Grade 12 Exercise Science class at Collingwood Collegiate Institute, Collingwood, ON. December 2016 and 2017.

Adapted Physical Activity – Coaching Experience

- Head Soccer Coach, Challenge League Sports (May 2011 to August 2014)
- Assistant Hockey Coach, Durham Dragons Special Hockey League (September 2011 to April 2014)

Select Media Appearances

- Ontario Tech University, CRC Feature, 2022: <https://news.ontariotechu.ca/archives/2022/01/double-ontario-tech-grad-now-a-canada-research-chair-at-acadia-university.php>
- Acadia University, CRC Announcement, 2022: <https://www2.acadiau.ca/home/news-reader-page/emily-bremer-canada-research-chair.html>

- Vanier Canada Graduate Scholarships, 2018: <https://youtu.be/uP7KKyRO0xA>
- Vanier Canada Graduate Scholarships, Spotlight on Scholars 2017: http://www.vanier.gc.ca/en/emily_bremer.html
- 3-Minute Thesis, 2014: <https://youtu.be/4OfwDqcfQ8M>