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Dr. Gabriel Moisan

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Sex: Male

Date of Birth: 6/19

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Université du Québec à Trois-Rivières

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Protected when completed

Dr. Gabriel Moisan

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes

User Profile

Disciplines Trained In: Kinesiology

Research Disciplines: Kinesiology

Areas of Research: Orthoses and Protheses

Fields of Application: Biomedical Aspects of Human Health

Research Specialization Keywords: Foot orthoses, Foot and ankle musculoskeletal disorders, Kinetics, Kinematics, Electromyography, Biomechanics, Locomotion

Degrees

2020/1 - 2020/12	Post-doctorate, Kinesiology, Biomechanics, Université Laval Degree Status: Completed Supervisors: Katia Turcot
2019/9 - 2020/1	Post-doctorate, Podiatry, Biomechanics, University of Salford Degree Status: Completed Supervisors: Christopher James Nester; Kristen Hollands
2015/9 - 2019/12	Doctorate, Biomedical sciences, Foot orthoses, Université de Montréal Degree Status: Completed Supervisors: Cantin, Vincent; Descarreaux, Martin
2014/1 - 2015/12	Master's Thesis, Human Kinetics, Foot orthoses, Université du Québec à Trois-Rivières Degree Status: Completed Supervisors: Cantin, Vincent
2010/9 - 2014/4	Bachelor's Equivalent, Doctorate in podiatric medicine, Podiatric medicine, Université du Québec à Trois-Rivières Degree Status: Completed Supervisors: N/A

Credentials

2014/5 Doctor in podiatric medicine (DPM), Quebec College of Podiatrists

Recognitions

2023/7 Editorial Board Member
BMC Musculoskeletal disorders
Honor

2021/1 Editorial Board Member
Journal of Foot and Ankle Research
Honor

2020/5 - 2022/4 Postdoctoral Fellowship - 90,000 (Canadian dollar)
Fonds de recherche du Québec - Santé (FRQS)
Prize / Award

2020/1 - 2021/1 Salary support program for postdoctoral researcher - 45,000 (Canadian dollar)
Center for Interdisciplinary Research in Rehabilitation and Social Integration
Prize / Award

2017/5 - 2020/4 Doctoral Award - Frederick Banting and Charles Best Canada Graduate Scholarships -
105,000 (Canadian dollar)
Canadian Institutes of Health Research
Prize / Award

2017/5 - 2018/9 Doctoral scholarship (declined) - 25,333 (Canadian dollar)
Institut de recherche Robert-Sauvé en santé et en sécurité du travail
Prize / Award

2017/5 - 2020/1 Doctoral Training for Applicants with a Professional Degree - 103,662 (Canadian dollar)
Fonds de recherche du Québec - Santé (FRQS)
Prize / Award

2015/3 - 2017/3 Scholarship - 4,000 (Canadian dollar)
Université du Québec fondation
Prize / Award

2015/3 First price - 750 (Canadian dollar)
Université du Québec à Trois-Rivières
Prize / Award

2015/1 - 2019/9 Dissemination awards - 10,400 (Canadian dollar)
Université du Québec à Trois-Rivières
Prize / Award

2015/1 Scholarship - 2,500 (Canadian dollar)
Société du parc industriel et portuaire de Bécancour
Prize / Award

2014/11 Scholarship - 5,000 (Canadian dollar)
Graduate Student Support Program
Prize / Award

2014/10 Scholarship - 2,000 (Canadian dollar)
Blue Cross
Prize / Award

2013/9 - 2019/12 Travel award - 8,400 (Canadian dollar)
Université du Québec à Trois-Rivières
Prize / Award

2011/10 Scholarship - 2,500 (Canadian dollar)
Bank of Montreal
Prize / Award

Employment

2020/12 Assistant professor
Human Kinetics, Trois-Rivières, Université du Québec à Trois-Rivières

2015/9 - 2019/9 Lecturer
Human Kinetics, Podiatric Medicine, Université du Québec à Trois-Rivières

2014/6 - 2019/7 Podiatrist
Sorel-Tracy podiatry clinic

2015/5 - 2017/9 Teaching assistant
Human Kinetics, Podiatric Medicine, Université du Québec à Trois-Rivières

Affiliations

The primary affiliation is denoted by (*)

2022/11 Associate member of the Centre Interdisciplinaire de Recherche en Réadaptation et Intégration Sociale (Cirris), Université Laval

2022/6 Member, Canadian MSK Rehab Research Network

2021/1 Member, Ingénierie de technologies interactives en réadaptation (INTER)

2021/1 Member, Quebec Pain Research Network (QPRN)

2021/1 Member, Regroupement intersectoriel de recherche en santé de l'Université du Québec (RISUQ)

2020/12 Member of the groupe de recherche sur les affections neuromusculosquelettiques (GRAN), Université du Québec à Trois-Rivières

(*) 2020/12 Assistant professor, Human Kinetics, Université du Québec à Trois-Rivières

2020/12 Member, Réseau provincial de recherche en adaptation-réadaptation (REPAR)

2019/5 Member, Quebec Podiatrist Association

2014/6 Member (# licence 14-016), Quebec College of Podiatrists

Leaves of Absence and Impact on Research

2021/10 - 2021/11 Parental, Université du Québec à Trois-Rivières
This 5-week parental leave delayed the completion of the data collection sessions and the submission of the related manuscripts.

2019/2 - 2019/3 Parental, Université du Québec à Trois-Rivières
This 5-week parental leave delayed the completion of the data collection sessions and the submission of the related manuscripts.

2017/9 - 2018/1 Parental, Université du Québec à Trois-Rivières
 With the assistance of my supervisors, we planned my doctoral thesis projects considering this parental leave. Therefore, this absence had no impact on the quality of my thesis projects. However, this paternity leave delayed the completion of the data collection sessions and the submission of the related manuscripts. My ability to publish during this period was greatly impacted.

Research Funding History

Awarded [n=17]

2023/5 - 2028/4
 Co-investigator Implement technology and artificial intelligence in the daily lives of clients for optimal treatment (dosage, progression, personalization): Together we can do more! Doing more together!

Co-investigator : Anne Hudon; Cyril Duclos; David Labbé; Éline de Guise; Félix Chénier; Johanne Higgins; Marika Demers; Mindy Levin; Rachid Aissaoui;

Principal Investigator : Dahlia Kairy; Sylvie Nadeau

Funding Sources:

2023/5 - 2028/4 Fonds de recherche Lindsay
 Prix Lindsay
 Total Funding - 800,000 (Canadian dollar)
 Funding Competitive?: Yes

2023/5 - 2028/4
 Principal Investigator Towards an improved understanding of the mechanism of action of foot orthoses: development of an integrated biomechanical framework

Funding Sources:

2023/4 - 2028/3 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Discovery grant
 Total Funding - 177,500 (Canadian dollar)
 Funding Competitive?: Yes

2023/5 - 2026/4
 Co-investigator Shared decision making to increase self-management for people with diabetes and lower limb amputations

Co-investigator : Magali Brousseau-Foley;

Principal Investigator : Virginie Blanchette

Funding Sources:

2023/5 - 2026/4 War Amps (The)
 Subvention de recherche relative à l'amputation
 Total Funding - 199,352 (Canadian dollar)
 Funding Competitive?: Yes

2022/5 - 2026/4
 Co-applicant Research Group on Neuromusculoskeletal Disorders, Operating grant
 Co-applicant : André Bussièrès; Isabelle Pagé; Jacques Abboud; Laurie-Ann Corbin Berrigan; Martin Descarreaux; Phillippe Fait; Stéphane Sobczak

Funding Sources:

2022/5 - 2026/4 Université du Québec à Trois-Rivières (UQTR)
 Institutional Research Funds
 Total Funding - 75,000 (Canadian dollar)
 Funding Competitive?: Yes

- 2023/5 - 2026/4
Principal Investigator
- Toward a better treatment to optimize biomechanical function in individuals with a foot amputation
- Collaborator : Nader Farahpour; Virginie Blanchette
- Funding Sources:**
- 2023/5 - 2026/4 War Amps (The)
Subvention de recherche relative à l'amputation
Total Funding - 179,937 (Canadian dollar)
Funding Competitive?: Yes
- 2023/4 - 2024/12
Co-investigator
- Motor adaptations when going up and down stairs in people with chronic low back pain
- Co-investigator : Hugo Massé-Alarie; Louis-David Beaulieu; Rubens da Silva;
- Principal Investigator : Jacques Abboud
- Funding Sources:**
- 2023/4 - 2024/12 Réseau Provincial de Recherche en Adaptation-Réadaptation (REPAR)
Clinical Research 1.1
Total Funding - 20,000 (Canadian dollar)
Funding Competitive?: No
- 2023/5 - 2024/11
Principal Applicant
- Competitive fund for research instruments (MAO-Recherche)
- Co-applicant : Stéphane Sobczak;
- Principal Applicant : Jacques Abboud
- Funding Sources:**
- 2023/5 - 2023/12 Université du Québec à Trois-Rivières (UQTR)
MAO Recherche
Total Funding - 61,211 (Canadian dollar)
Funding Competitive?: Yes
- 2023/6 - 2024/9
Principal Investigator
- Supination resistance in patients with musculoskeletal disorders
- Funding Sources:**
- 2023/5 - 2024/9 Quebec College of Podiatrists
Research funds in podiatry
Total Funding - 3,500 (Canadian dollar)
Funding Competitive?: Yes
- 2022/9 - 2024/9
Co-investigator
- Optimization of prosthetic management: Toward an objective clinical follow-up in individuals with lower limb amputations
- Co-investigator : Maxime Robert;
- Collaborator : Ariane Rajotte-Martel; Edith Boulianne; Marie-Josée Gagné;
- Principal Investigator : Katia Turcot
- Funding Sources:**
- 2022/9 - 2024/9 War Amps (The)
Subvention de recherche relative à l'amputation
Total Funding - 191,500 (Canadian dollar)
Funding Competitive?: Yes
- 2022/9 - 2024/8
Co-investigator
- Prototype 2 Smart bike- Sensory component
- Co-investigator : Cyril Duclos; David Labbé; Rachid Aissaoui;

Collaborator : Claudine Auger; Dahlia Kairy;

Principal Investigator : Sylvie Nadeau

Funding Sources:

2022/9 - 2024/8 INTER
 Research mandate
 Total Funding - 21,000 (Canadian dollar)
 Funding Competitive?: Yes

2022/5 - 2024/4
 Principal Applicant

Supination resistance of the foot and biomechanics of functional tasks in participants with chronic ankle instability

Collaborator : Sean McBride

Funding Sources:

2022/5 - 2024/4 Université du Québec à Trois-Rivières (UQTR)
 Program for research internationalization (PAIR)
 Total Funding - 30,000 (Canadian dollar)
 Funding Competitive?: Yes

2023/5 - 2024/4
 Co-investigator

Impact of a foot orthosis on postural control reactions and gait in adult and elderly individuals with plantar fasciopathy: A feasibility study

Co-investigator : Louis-David Beaulieu;

Collaborator : Cristina Ortis; Jérôme Bouchard-Tremblay; Laure Richer; Stéphane Sobczak

Funding Sources:

2023/5 - 2024/4 Université du Québec à Chicoutimi (UQAC)
 Support Program for Research and Creation Development (PSDrc)
 Total Funding - 7,000 (Canadian dollar)
 Funding Competitive?: Yes

2022/9 - 2024/3
 Principal Investigator

Development of optimal orthotic therapy in individuals with chronic metatarsalgia

Co-investigator : Katia Turcot; Mickael Begon

Funding Sources:

2022/9 - 2024/3 The Quebec Rehabilitation Research Network
 Program 1.1. Clinical research
 Total Funding - 20,000 (Canadian dollar)
 Funding Competitive?: Yes

2023/1 - 2024/3
 Co-investigator

Cycling to Improve Health: Development and Evaluation of TRIVEL's Smart Bike (VI) Training Prescription Programs

Co-investigator : Claudine Auger; Cyril Duclos; Dahlia Kairy; David Labbé; Elaine De Guise; Nicolas Berryman; Rachid Aissaoui;

Collaborator : Julie Soulard; Roua Walha;

Principal Investigator : Sylvie Nadeau

Funding Sources:

2023/1 - 2024/3 Quebec Network for Research on Aging
 Pilot project
 Total Funding - 40,000 (Canadian dollar)
 Funding Competitive?: Yes

2023/9 - 2024/2 Principal Applicant	Toward a better treatment to optimize biomechanical function in individuals with a foot amputation Funding Sources: 2023/9 - 2024/2 Mathematics of Information Technology and Complex Systems (MITACS) Globalink Total Funding - 6,000 (Canadian dollar) Funding Competitive?: Yes
2022/5 - 2023/4 Principal Investigator	Supination resistance of the foot in individuals with musculoskeletal disorders Funding Sources: 2022/5 - 2024/6 Quebec Podiatrists Association Research funds Total Funding - 4,500 (Canadian dollar) Funding Competitive?: Yes
2021/5 - 2022/4 Co-applicant	Research Group on Neuromusculoskeletal Disorders, Operating grant Co-applicant : André Bussi�eres; Isabelle Pag�e; Jacques Abboud; Laurie-Ann Corbin Berrigan; Martin Descarreaux; Phillippe Fait; St�ephane Sobczak; Vincent Cantin Funding Sources: 2021/5 - 2025/4 Universit�e du Qu�ebec � Trois-Rivi�eres (UQTR) Institutional Research Funds Total Funding - 100,000 (Canadian dollar) Funding Competitive?: Yes
Completed [n=9]	
2020/5 - 2023/4 Principal Investigator	Research animation and dissemination fund Funding Sources: 2020/5 - 2022/4 Fondation de l'Universit�e du Qu�ebec � Trois-Rivi�eres Research animation and dissemination fund Total Funding - 5,000 (Canadian dollar) Funding Competitive?: Yes
2022/1 - 2023/4 Principal Investigator	Institutional Research Fund Funding Sources: 2022/1 - 2023/5 Universit�e du Qu�ebec � Trois-Rivi�eres (UQTR) General Research Fund Total Funding - 5,000 (Canadian dollar) Funding Competitive?: Yes
2022/5 - 2023/4 Co-applicant	Competitive fund for research instruments (MAO-Recherche) Co-applicant : Andr�e Bussi�eres; Isabelle Pag�e; Jacques Abboud; Laurie-Ann Corbin Berrigan; Martin Descarreaux; Phillippe Fait; St�ephane Sobczak Funding Sources: 2022/5 - 2022/5 Universit�e du Qu�ebec � Trois-Rivi�eres (UQTR) Competitive fund for research instruments (MAO-Recherche) Total Funding - 27,148 (Canadian dollar) Funding Competitive?: Yes

2020/3 - 2023/4 Collaborator	<p>The use of a passive exoskeleton to promote home support and social participation of the elderly</p> <p>Co-investigator : Alexandra Lecours; Jacques Abboud;</p> <p>Principal Investigator : Marie-Michèle Lord</p> <p>Funding Sources:</p> <p>2021/1 - 2024/3 Ministère de l'Économie et de l'Innovation Projets en innovation sociale - thématique vieillir et vivre ensemble Total Funding - 178,000 (Canadian dollar) Funding Competitive?: Yes</p>
2020/12 - 2022/12 Principal Investigator	<p>Start-up fund</p> <p>Funding Sources:</p> <p>2020/12 - 2022/12 Université du Québec à Trois-Rivières Start-up fund Total Funding - 34,548 (Canadian dollar) Funding Competitive?: No</p>
2021/5 - 2022/4 Principal Applicant	<p>Competitive fund for research instruments (MAO-Recherche)</p> <p>Co-applicant : Magali Brousseau-Foley</p> <p>Funding Sources:</p> <p>2021/5 - 2021/11 Université du Québec à Trois-Rivières (UQTR) Competitive fund for research instruments (MAO-Recherche) Total Funding - 46,826 (Canadian dollar) Funding Competitive?: Yes</p>
2016/5 - 2019/12 Principal Investigator	<p>Biomechanical deficits in individuals with chronic ankle instability during locomotion</p> <p>Co-investigator : Martin Descarreaux; Vincent Cantin</p> <p>Funding Sources:</p> <p>2016/5 - 2019/9 Quebec Podiatrists Association Research funds Total Funding - 7,254 (Canadian dollar) Funding Competitive?: Yes</p>
2015/5 - 2019/5 Principal Investigator	<p>Effects of foot orthoses on the biomechanics of the lower limbs in individuals with and without chronic ankle instability</p> <p>Co-investigator : Martin Descarreaux; Vincent Cantin</p> <p>Funding Sources:</p> <p>2015/5 - 2019/5 Quebec College of Podiatrists Research funds Total Funding - 9,950 (Canadian dollar) Funding Competitive?: Yes</p>
2016/3 - 2019/3 Principal Investigator	<p>Effects of foot orthoses on the biomechanics of the lower limbs during locomotion</p> <p>Co-investigator : Martin Descarreaux; Vincent Cantin</p> <p>Funding Sources:</p> <p>2016/3 - 2019/3 Podokop Inc Research funds Total Funding - 6,000 (Canadian dollar) Funding Competitive?: No</p>

Student/Postdoctoral Supervision

Bachelor's [n=8]

Principal Supervisor	Paulina Sura Morales (Completed) , University of Guanajuato Student Degree Start Date: 2023/6 Student Degree Received Date: 2023/9 Present Position: Bioengineering student
Principal Supervisor	Irazu Betsabe Valdivia Esquivel (Completed) , University of Guanajuato Student Degree Start Date: 2023/5 Student Degree Received Date: 2023/8 Present Position: Bioengineering student
Principal Supervisor	Camille Dagenais (Completed) , Université du Québec à Trois-Rivières Student Degree Start Date: 2023/5 Student Degree Received Date: 2023/8 Present Position: Medical student
Principal Supervisor	Ana Sofia Tavera Pelaez (Completed) , Universidad de Antioquia Student Degree Start Date: 2022/8 Student Degree Received Date: 2022/12 Present Position: Bioengineering student
Principal Supervisor	Sur Pio Yip (Completed) , Université du Québec à Trois-Rivières Student Degree Start Date: 2021/1 Student Degree Received Date: 2021/6 Present Position: Health professional
Principal Supervisor	Alexia D'Orazio (Completed) , Université du Québec à Trois-Rivières Student Degree Start Date: 2021/1 Student Degree Received Date: 2021/6 Present Position: Health professional
Co-Supervisor	Raphael Ouellet (Completed) , Université Laval Student Degree Start Date: 2020/9 Student Degree Received Date: 2020/12 Present Position: Master's student
Principal Supervisor	Dominic Chicoine (Completed) , Université du Québec à Trois-Rivières Student Degree Start Date: 2017/1 Student Degree Received Date: 2017/5 Present Position: Lecturer at UQTR

Master's Thesis [n=4]

Co-Supervisor	Guillaume Vadez (In Progress) , Université du Québec à Trois-Rivières Student Degree Start Date: 2023/9 Student Degree Expected Date: 2025/8 Present Position: Master's student
Co-Supervisor	Jérôme Bouchard-Tremblay (In Progress) , Université du Québec à Chicoutimi Student Degree Start Date: 2023/1 Student Degree Expected Date: 2025/4 Present Position: Master's student

Principal Supervisor Jeffrey Ayotte (In Progress) , Université du Québec à Trois-Rivières
 Student Degree Start Date: 2022/9
 Student Degree Expected Date: 2024/8
 Present Position: Master's student

Principal Supervisor Ahmed Dami (Completed) , Université du Québec à Trois-Rivières
 Student Degree Start Date: 2021/1
 Student Degree Received Date: 2023/4
 Present Position: PhD student

Doctorate [n=6]

Principal Supervisor Robin Chaverot (In Progress) , Université du Québec à Trois-Rivières
 Student Degree Start Date: 2023/9
 Student Degree Expected Date: 2027/8
 Present Position: PhD student

Principal Supervisor Maxime Acien (In Progress) , Université du Québec à Trois-Rivières
 Student Degree Start Date: 2023/9
 Student Degree Expected Date: 2027/8
 Present Position: PhD student

Principal Supervisor Ahmed Dami (In Progress) , Université du Québec à Trois-Rivières
 Student Degree Start Date: 2023/5
 Student Degree Expected Date: 2027/4
 Present Position: PhD student

Principal Supervisor Eléna Payen (In Progress) , Université du Québec à Trois-Rivières
 Student Degree Start Date: 2022/9
 Student Degree Expected Date: 2026/8
 Present Position: PhD student

Co-Supervisor Hoda Ghabdian (In Progress) , University Bu ali Sina
 Student Degree Start Date: 2022/3
 Student Degree Expected Date: 2025/4
 Present Position: PhD student

Co-Supervisor Yousef Mohammadi Yaghoub (In Progress) , University Bu ali Sina
 Student Degree Start Date: 2022/1
 Student Degree Expected Date: 2025/12
 Present Position: PhD student

International Collaboration Activities

2022/7 - 2025/6 Leader, Iran
 Full professor **Nader Farahpour** (Iran) collaborates on my projects related to foot orthoses, biomechanics and locomotion. I coordinate and manage the projects.

2021/1 - 2025/1 Leader, United States of America
 Along with American researcher **Sean McBride**, English researcher **Ian Griffiths** and Iranian researcher **Nader Farahpour**, I work on a project aiming at validating the Keystone Device, a tool used to measure the resistance of the foot to supination. We are also working on a project aiming at publishing international norms for the supination resistance test. I am responsible to supervise collaborators from Canada (**Dominic Chicoine and Pier-Luc Isabelle**) during data collection. I am also responsible to analyze and disseminate the results.

- 2020/1 - 2022/6 Collaborator, Switzerland
I collaborated, alongside **Katia Turcot** (Canada), with researchers from Switzerland, **Stephane Armand**, **Alice Bonnefoy-Mazure** and **Geraldo De Coulon**. The research project aimed to determine the biomechanical impact of undergoing musculoskeletal surgeries on gait quality and efficiency in children with cerebral palsy. I was responsible to analyze the data, collected at the Willy Taillard Laboratory of Kinesiology at the Geneva University Hospitals in Switzerland and disseminate the results (article and presentations).
- 2020/1 - 2022/1 Collaborator, United Kingdom
Along with Thailand researchers **Pornprom Chayasit** and **Rumpa Booksinsukh** and English researchers **Christopher James Nester** and **Kristen Hollands**, I collaborated on a project investigating the balance control deficits in stroke survivors as well as the relationship between these deficits and their loss of plantar foot sensation. I analyzed the data and disseminated the results (article and presentations).

Presentations

1. Payen E*, Abboud J., Moisan G. (2023). The effects of foot orthoses on plantar pressure in individuals with chronic forefoot pain. UQTR Scientific poster contest, Trois-Rivières, Canada
Main Audience: Researcher
Invited?: No
2. Dami A*, Chicoine D., Payen E*, Bouchard M., Belzile E., Corbeil P., Moisan G. (2023). Kinematic and kinetic alterations in stages 1 and 2 posterior tibialis tendon dysfunction during gait. International Foot and Ankle Biomechanics Society conference, Bordeaux, France
Main Audience: Researcher
Invited?: No
3. Dami A*, Chicoine D., Payen E*, Bouchard M., Belzile E., Corbeil P., Moisan G. (2023). Différences biomécaniques articulaires lors de la marche entre les stades 1 et 2 de la dysfonction du tendon du muscle tibial postérieur. REPAR-INTER 2023 Scientific Event, Drummondville, Canada
Main Audience: Researcher
Invited?: No
4. Dami A*, Chicoine D., Payen E*, Bouchard M., Belzile E., Corbeil P., Moisan G. (2023). Changements cinématiques et cinétiques des articulations du membre inférieur lors de la marche selon le stade 1 ou 2 de la dysfonction du tendon du muscle tibial postérieur. UQTR Scientific poster contest, Trois-Rivières, Canada
Main Audience: Researcher
Invited?: No
5. Payen E*, Abboud J., Moisan G. (2023). The effects of foot orthoses on plantar pressure in individuals with chronic forefoot pain. International Foot and Ankle Biomechanics Society conference, Bordeaux, France
Main Audience: Researcher
Invited?: No
6. Moisan G. (2023). Examen biomécanique podiatrique : Simplifié mais plus utile!. Quebec College of Podiatry conference, Sherbrooke, Canada
Main Audience: Knowledge User
Invited?: Yes
7. Moisan G. (2022). Foot orthoses to treat patients with chronic ankle instability: Do they work?. Pedorthic Association of Canada Symposium, Winnipeg, Canada
Main Audience: Knowledge User
Invited?: Yes

8. Moisan G., Robb K, Mainville C, Blanchette V. (2022). Effects of foot orthoses on the biomechanics of the lower extremities in adults with and without musculoskeletal disorders during functional tasks: A systematic review. International Society for Posture and Gait Research World Congress, Montreal, Canada
Main Audience: Researcher
Invited?: No
9. Dami A.*, Chicoine D., Bouchard M., Corbeil P., Cantin V., Moisan G. (2022). Foot and ankle biomechanical deficits in individuals with a posterior tibialis tendon dysfunction during walking: Preliminary findings. 9th International Ankle Symposium, Osaka, Japan
Main Audience: Researcher
Invited?: No
10. Dami A.*, Cantin V., Moisan G. (2022). Biomécanique déficitaire lors de la marche avec une dysfonction du tendon du muscle tibial postérieur. UQTR Scientific poster contest, Trois-Rivières, Canada
Main Audience: Researcher
Invited?: No
11. Dami A.*, Cantin V., Moisan G. (2022). Biomécanique de la marche avec une dysfonction du tendon du muscle tibial postérieur. 4th Quebec Congress in Adaptation-Rehabilitation Research, Sherbrooke, Canada
Main Audience: Researcher
Invited?: No
12. Moisan G., Chayasit P., Boonsinsukh R., Nester C., Hollands K. (2021). Postural control during quiet standing and voluntary stepping response tasks in stroke survivors. Canadian Society for Biomechanics meeting, Montréal, Canada
Main Audience: Researcher
Invited?: No
13. Moisan G. (2021). Biomécanique et orthèses plantaires. Research Group on Neuromusculoskeletal Conditions, Trois-Rivières, Canada
Main Audience: Researcher
Invited?: Yes
14. Moisan G., Bonnefoy-Mazure A, De Coulon G., Tabard-Fougère A., Armand S., Turcot K. (2021). Single event multilevel surgery to improve walking quality and efficiency in children with cerebral palsy presenting an intoeing gait. Canadian Society for Biomechanics meeting, Montréal, Canada
Main Audience: Researcher
Invited?: No
15. Moisan G, Mainville C, Descarreaux M, Cantin V. (2021). The influence of footwear on lower-limb electromyography in individuals with chronic ankle instability during walking. International Foot and Ankle Biomechanics Meeting, Sao Paulo, Brazil
Main Audience: Researcher
Invited?: No
16. Ouellet R*, Miramand L, Moisan G, Turcot K. (2021). Analysis of lower limb's biomechanical compensations during stair descent in individuals with unilateral transtibial amputation. Canadian Society for Biomechanics meeting, Montréal, Canada
Main Audience: Researcher
Invited?: No
17. Yip SP*, Moisan G. (2021). Les effets des semelles proprioceptives sur la stabilité posturale chez les personnes âgées. REPAR-INTER 2021 Scientific Event, Online, Canada
Main Audience: Researcher
Invited?: No

18. D'Orazio A*, Moisan G. (2021). Le rôle des orthèses plantaires dans la prévention des ulcères plantaires diabétiques: Les évidences scientifiques. REPAR-INTER 2021 Scientific Event, Online, Canada
Main Audience: Researcher
Invited?: No
19. Moisan G., Chayasit P., Boonsinsukh R., Nester C., Hollands K., (2020). Postural control during quiet standing and voluntary stepping response tasks in stroke survivors. Canadian Society for Biomechanics meeting (cancelled, COVID19), Montréal, Canada
Main Audience: Researcher
Invited?: No
20. Moisan G, Mainville C, Descarreaux M, Cantin V. (2020). The influence of footwear on lower-limb electromyography in individuals with chronic ankle instability during walking. International Foot and Ankle Biomechanics (IFAB) meeting (cancelled, COVID19), Sao Paulo, Canada
Main Audience: Researcher
Invited?: No
21. Moisan G., Bonnefoy-Mazure A, De Coulon G., Tabard-Fougère A., Armand S., Turcot K. (2020). Single event multilevel surgery to improve walking quality and efficiency in children with cerebral palsy presenting an intoeing gait. Canadian Society for Biomechanics meeting (cancelled, COVID19), Montréal, Canada
Main Audience: Researcher
Invited?: No
22. Moisan G, Mainville C, Descarreaux M, Cantin V. (2019). Gait biomechanics differences between individuals with and without chronic ankle instability. International Society of Biomechanics meeting, Calgary, Canada
Main Audience: Researcher
Invited?: No
23. Moisan G, Mainville C, Descarreaux M, Cantin V. (2019). Walking biomechanics differences between shod and barefoot walking for individuals with chronic ankle instability. Footwear Biomechanics Symposium, Kananaskis, Canada
Main Audience: Researcher
Invited?: No
24. Moisan G, Descarreaux M, Cantin V. (2019). Unilateral drop jump landing biomechanics of individuals with and without chronic ankle instability. International Ankle Symposium, Amsterdam, Netherlands
Main Audience: Researcher
Invited?: No
25. Mainville C, Moisan G, Descarreaux M, Cantin V. (2019). Individuals with chronic ankle instability present altered lower-limb kinematics during unilateral drop jump landing. International Ankle Symposium, Amsterdam, Netherlands
Main Audience: Researcher
Invited?: No

Broadcast Interviews

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|------------|---|
| 2023/10/23 | Orthèses en vente libre, Ça vaut le coût!, Télé-Québec |
| 2023/09/17 | Flat Feet: Deformities or Healthy Anatomical Variants?, The Run Smarter Podcast |
| 2023/09/12 | Flat Feet: Deformities or Healthy Anatomical Variants?, E3Rehab podcast |

Text Interviews

2024/01/01	Research round-up: Flat feet: deformities or healthy anatomical variants?, The Podiatrist, P.41, January/February 2024
2023/11/15	Exercising with flat feet? Here's what you need to know., The Washington Post
2023/09/11	Crocs: entre tendance et santé des pieds – ce que disent les experts. Noovo Info
2023/08/01	Guide de magasinage pour dire adieu aux douleurs aux pieds. Magazine Bel âge.
2021/09/01	Research round-up: Lower limb biomechanics in individuals with chronic ankle instability during gait: a case-control study, The Podiatrist, P.45, September/October 2021

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Journal Articles

1. Moisan G, Dami A*, Payen E*, Farahpour N, Isabelle P. (2023). Comparative analysis of lower limb biomechanics during unilateral drop jump landings on level and medially inclined surfaces. Sports Biomechanics.
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2. Moisan G, Chicoine D, McBride S, Farahpour N, Isabelle P, Dagenais C*, Griffiths I. (2023). Supination resistance variations in foot and ankle musculoskeletal disorders: implications for diagnosis and customised interventions with wedged insoles. Journal of Foot and Ankle Research. 16(91)
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3. Tavera Pelaez AS*, Farahpour N, Griffiths IB, Moisan G. (2023). Thick shells and medially wedged posts increase foot orthoses medial longitudinal arch stiffness. Journal of Foot and Ankle Research. 16(1): 11.
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4. Beauchesne N, Wagenaar-Tison, A, Brousseau-Foley M, Moisan G, Cantin V, Blanchette V. (2023). Using a contralateral shoe lift to reduce gait deterioration during an offloading fast-walk setting in diabetic peripheral neuropathy: A Comparative Feasibility Study. Diabetes Research and Clinical Practice. 199: 110647.
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5. Moisan G, Griffiths IB, Chicoine D. (2023). Flat feet: Deformities or healthy anatomical variants?. British Journal of Sports Medicine. 57(24): 1536-1537.
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6. Dami A*, Payen E*, Farahpour N, Robb K, Isabelle P, Moisan G. (2023). Medially wedged foot orthoses generate greater biomechanical effects than thin-flexible foot orthoses during a unilateral drop jump task on level and inclined surfaces. Clinical Biomechanics.
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7. Moisan G, McBride S, Isabelle P, Chicoine D, Walha R. (2023). Intrarater and interrater reliability of the first metatarsophalangeal joint dorsiflexion resistance test. Musculoskeletal Care. 21(1): 102-107.
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8. Dami A*, Chicoine D, Payen E*, Bouchard M, Belzile E, Corbeil P, Moisan G. (2023). Lower limbs biomechanical deficits associated with stage 1 and 2 posterior tibialis tendon dysfunction during walking. *Gait and Posture*. tbd: tbd.
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9. Miramand L, Moisan G, McFadyen BJ, Turcot K. (2023). Whole-body sagittal and frontal kinetic compensations during the sit-to-stand transition in individuals with trans-tibial amputation. *Clinical Biomechanics*.
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10. Moisan G, Robb K, Mainville C, Blanchette V. (2022). Effects of foot orthoses on the biomechanics of the lower extremities in adults with and without musculoskeletal disorders during functional tasks: A systematic review. *Clinical Biomechanics*. 95: 105641.
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12. Moisan G, Miramand L, Younesian H, Turcot K. (2022). Balance control deficits in individuals with a trans-tibial amputation with and without visual input. *Prosthetics and Orthotics International*. 46(2): 134-139.
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13. Moisan G, McBride S, Isabelle P and Chicoine D. (2022). The Keystone Device as a clinical tool for measuring the supination resistance of the foot: a reliability study. *Musculoskeletal Care*. 20(3): 570-576.
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17. Moisan G, Miramand L, Younesian H, Legrand T, Turcot K. (2021). Assessment of biomechanical deficits in individuals with a trans-tibial amputation during level gait using one-dimensional statistical parametric mapping. *Gait and Posture*. 87(24): 130-135.
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20. Chicoine D, Bouchard M, Laurendeau S, Moisan G, Belzile E, Corbeil P. (2020). Biomechanical effects of three types of foot orthoses in individuals with posterior tibialis tendon dysfunction. *Gait and Posture*. 83: 237-244.
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21. Moisan G, Descarreaux M, Cantin V. (2020). Biomechanical effects of foot orthoses with and without a lateral bar in individuals with cavus feet during walking. *PLoS ONE*. 16(3): e024: e0248658.
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22. Moisan G, Mainville C, Descarreaux M, Cantin V. (2020). Kinematic, kinetic and electromyographic differences between young adults with and without chronic ankle instability during walking. *Journal of Electromyography and Kinesiology*. 51(April): 102399.
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1. (2022). Effets biomécaniques des orthèses plantaires lors de tâches fonctionnelles. *La Clinique du Coureur: La santé par la course à pied*.
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Conference Publications

1. Moisan G, Descarreaux M, Cantin V. (2021). Effects of foot orthoses with a lateral bar on the biomechanics of the lower limb in individuals with cavus feet during walking. *Footwear Biomechanics Symposium Abstract*
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2. Moisan G, Mainville C, Descarreaux M, Cantin V. (2019). Walking biomechanics differences between shod and barefoot walking for individuals with chronic ankle instability. Footwear Biomechanics Symposium Abstract
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