



# Canadian MSK Rehab Research Network Newsletter

Spring/Summer 2021

Sponsor:



Newsletter Content:

- Network News
- New Website
- Current Funding Opportunities
- Events
- COVID-19 Resources
- Opportunities
- New Members
- Network Members

Co-PIs:

- Dr. Joy MacDermid (NPI)
- Dr. Catherin Backman
- Dr. Trevor Birmingham
- Dr. Laurent Bouyer
- Dr. Deborah Marshall
- Dr. Rebecca Moyer
- Dr. Janet Ronsky
- Dr. Jean Sebastien Roy
- Dr. Aliko Thomas

Network Coordinator:

- Ryan Power  
[rehabnet@uwo.ca](mailto:rehabnet@uwo.ca)

## Network Member News

- Canadian MSK Rehab Research Network NPI Dr. Joy MacDermid and fellow Network collaborators recognized by Arthritis Society's Top 10 Research Advances of 2020. Read more here: <https://arthritis.ca/about-us/what-we-do/research/top-10-research-advances-of-2020>

Dr. MacDermid was also recently named a Tier 1 Canada Research Chair in Musculoskeletal Health Outcomes & Knowledge Translation: <https://news.westernu.ca/2020/12/crc/>

- Dr. Noemi Dahan-Oliel has had multiple recent successes and awards:
  - “Measure for the Upper Extremity in Arthrogyrosis: Development and Psychometrics” was funded for a multisite developmental clinical grant from the Shriners Hospitals for Children (January 2021 to December 2023; \$460,833 USD). Noémi Dahan-Oliel (PI), co-Is: Reggie Hamdy, Chantal Janelle, Laurie Snider, Johanne Higgins, Michelle James, Krister Freese, Dan Zlotolow, Felicity Fishman, Lauren Hyer
  - “Platform Architecture and Machine Learning for Arthrogyrosis” was funded for the 2020 SHC & Georgia Tech (GT) Seed Grant Program (January 2021 to December 2022; \$150,000 USD). Co-PIs: Noémi Dahan-Oliel & Tony Pan (GT); Co-Is: Srinivas Aluru (GT) Reggie Hamdy, Ghalib Bardai, Frank Rauch, Michelle James, Krister Freese, Harold van Bosse
  - Dr. Dahan Oliel was also awarded ‘Rising Star’ award from the American Society for Bone and Mineral Research (ASBMR) (\$60,000 USD over 3 years 2020-2023)
- Dr. Lisa Carlesso received the Arthritis Society's Stars Career Development award for her project entitled 'Improving our Understanding of Pain Mechanisms in People with Knee OA'
- Congratulations to Canadian MSK Rehab Research Network Co-PI Dr. Jean-Sébastien Roy (Université Laval) and his team for recently being awarded a CIHR Operating Grant for their project, “Better understanding physical and cognitive impairments and functional limitations in people suffering from long COVID to support the development of adapted interventions”
- Congratulations to Network researcher Dr. Shawn Robbins from McGill University for receiving a Strategic Operating Grant from the Arthritis Society for his project: The effectiveness of medial pivot knee

arthroplasty implants at improving gait and clinical outcomes in patients with knee osteoarthritis: A randomized controlled trial

- Network Trainee Codie Primeau and team including Network PI's Dr. Trevor Birmingham and Dr. Rebecca Moyer, recently had their publication "Trajectories of perceived exertion and pain over a 12-week neuromuscular exercise program in patients with knee osteoarthritis" highlighted in The Globe and Mail by Alex Hutchinson:  
<https://www.theglobeandmail.com/life/health-and-fitness/article-work-through-the-pain-if-you-have-arthritis-it-will-get-better/>

Read all of the latest news on our website: <https://mskrehabnet.com/news/>

---

## New Network Website

Since first launching in 2016, the Canadian MSK Rehab Research Network has grown its membership by over 40%. Similarly, our capacity and research infrastructure has also increased dramatically over the past four years.

With CIHR's recent investment in extending our operations for a further five years, our website has, and will continue to be, our primary channel of communication for researchers, patients, prospective members and the community at large.

Therefore, we are thrilled to share our newly updated website:

[www.mskrehabnet.com](http://www.mskrehabnet.com)

The new site allows for easier access to news items, events and upcoming opportunities. We are also developing a member-only forum which will provide a portal for researchers and patients to communicate directly with colleagues across Canada, form new teams and share resources. Stay tuned for instructions on accessing the forum once it is live.

---

## Current Funding Opportunities

On behalf of the Canadian MSK Rehab Research Network's Executive Committee, we are pleased to launch two new funding opportunities.

These new opportunities mark the first round of competitions in our new CIHR funding structure and are therefore being offered as Team Development and Emerging Team Grants with substantially higher funding available than previous Pilot Grant Competitions.

**Team Development Grant:** This round of awards is intended to establish a new research team that brings together researchers or a new national collaboration between existing teams from across Canada focused on

remote/online delivery of rehabilitation projects relevant to one of two key Network priorities: osteoarthritis, or non-specific chronic MSK pain.

\$150,000 total available funds for up to two (2) grants of up to \$75,000 each

**Emerging Team Grant:** This grant is intended to address the unprecedented impacts of COVID-19 pandemic and its implications for future rehabilitation needs. Objectives include establishing a new research team that brings together researchers from across the country focused on rehabilitation of post-COVID-19 long-term effects, and developing a research plan that addresses a multi-faceted rehabilitation approach to long-term COVID-19 symptoms, with a focus on, but not limited to the MSK system, by addressing pain and mobility challenges

\$30,000 total available funds for one (1) grant of up to \$30,000

Full details and application instructions here:

<https://mskrehabnet.com/funding-opportunity-team-development-grants/>

---

## Upcoming Events

- The MSK Rehab Research Network is pleased to once again support PainTalks. The Quebec Network of Junior Pain Investigators (QNJPI) is proud to announce the 6th PAINtalks edition, which will be held on **November 5th, at 5:00 pm (EDT)** as a hybrid event, live from the Salle des Promotions at Québec QC, Canada. Registration and more info here: <https://event.fourwaves.com/paintalks2021/pages>
- **Save the Date:** Quebec Symposium on Neurostimulation - In the light of the success and positive feedback following the first edition, the “Groupe de Recherche sur les Aînés, la Neurostimulation et la Douleur” are proud to announce the Second Edition of the Quebec Symposium on Neurostimulation (SQN), held virtually on **October 28-29, 2021**. More information here: <https://mskrehabnet.com/save-the-date-quebec-symposium-on-neurostimulation/>

## Event Recap: Biomechanics & Osteoarthritis Symposium

The inaugural Biomechanics and Osteoarthritis Symposium was held on May 28th in conjunction with the Canadian Society for Biomechanics and the Canadian MSK Rehabilitation Research Network. Hosted by Dr. Michael Hunt (UBC), Dr. Cheryl Kozey (Dalhousie) and Dr. Janie Wilson (McMaster), over 100 registrants from Canada, the United States and Europe enjoyed an engaging morning of presentations, discussion and collaboration.

The event was highly successful in its goal of bringing together researchers from across Canada and abroad, to discuss priorities in biomechanics research and investigate how collaboration can move the field forward through building consensus, increasing sample sizes and improving future

funding success. A full recap including the recorded conference sessions in their entirety are available here: <https://mskrehabnet.com/boas/>

---

## Addressing Mobility Challenges During COVID-19

In partnership with Western's Bone & Joint Institute, the Canadian MSK Rehab Research Network has co-created an online resource database to support researchers, clinicians, patients and community members who are isolated and living with mobility challenges.

With the help of our research members and partners, we have compiled a collection of trusted resources, current research efforts and published research studies that are focused on at-home exercise programs, remote rehab or self-management of MSK disorders and their related pain or mobility restrictions.

The current list of resources is available here:  
<https://boneandjoint.uwo.ca/public/index.html>

Since creating this list of resources, it has been shared nationally by CIHR and by the Federal Government through the Canadian Pain Task Force.

If you are interested in learning more, contributing to our resources, or getting involved in any current ongoing research, please contact Ryan Power ([rehabnet@uwo.ca](mailto:rehabnet@uwo.ca))

---

## Opportunities & Availability

We are happy to circulate any job postings, collaboration opportunities (e.g. seeking additional researchers for a project), or strong candidates seeking a position. Please share your opportunities or availability to [rehabnet@uwo.ca](mailto:rehabnet@uwo.ca)

---

## New Members

We are always accepting new memberships from researchers, partners, patients and trainees who are involved in MSK health research. See the link below for details and the application form:

[www.mskrehabnet.com/people/membership.html](http://www.mskrehabnet.com/people/membership.html)

We encourage our current Network Members to invite colleagues, partners or Pilot Grant team members who may be interested in joining the Network. Membership is open to researchers, collaborators, partners, trainees, or anyone with an interest in MSK rehab research.

Inquiries or applications can be forwarded to Ryan Power ([rehabnet@uwo.ca](mailto:rehabnet@uwo.ca))

---

## Network Members

### Co-Principal Investigators

Joy MacDermid (NPI)  
Catherine Backman  
Trevor Birmingham  
Laurent Bouyer  
Deborah Marshall

Rebecca Moyer  
Janet Ronsky  
Jean-Sebastien Roy  
Alik Thomas

### Co-Investigators

Janie Astephen Wilson  
Talia Alenabi  
Cathy Arnold  
Maureen Ashe  
Hayden Atkinson  
Brenna Bath  
Dorcas Beaton  
Shawn Beaudette  
Lauren Beaupreau  
Mickael Begon  
Daniel Benoit  
Lauren Benson  
Krista Best  
Jason Bouffard  
Steve Boyd  
Dianne Bryant  
Nathalie Bureau  
Alexandre Campeau-Lecours  
Carolina Cancelliere  
Lisa Carlesso  
Manon Choinière  
Eda Cinar  
Daniel Cote  
Julie Cote  
Alex Crizzle  
Noémi Dahan-Oliel  
Kevin Deluzio  
François Desmeules  
Clermont Dionne  
Carolyn Emery  
Debbie Feldman  
Reed Ferber  
Louis Ferreira  
Deborah Fitzimmons  
Carol Fortin  
Maryse Fortin  
Simon French  
Kenzie Friesen  
Martha Funabashi  
Dany Gagnon  
Nathaly Gaudrealt

Emily Lalone  
Guillaume Léonard  
Kathrine Lippel  
Stacey Lovo  
Ellen MacEachen  
Luciana Macedo  
Monica Maly  
Ranita Manocha  
Jackie Marsh  
Deborah Marshall  
Hugo Masse Alarie  
Nancy Mayo  
Linda McLean  
Carlo Menon  
Catherine Mercier  
Jordan Miller  
Suzanne Morin  
Ahmed Negm  
Gabrielle Page  
Isabelle Page  
Steven Passmore  
Eric Parent  
Rajni Patel  
Kadija Perreault  
Rob Petrella  
Mathieu Piché  
Carla Prado  
Julie Richardson  
Stephen Robinovitch  
Shawn Robbins  
Dominique Rouleau  
Derek Rutherford  
Joanna Sale  
Lina Santaguida  
Paulo Sanzo  
Cyril Schneider  
Alex Scott  
Martin Simoneau  
Kathryn Sinden  
Stephane Sobczak  
Mark Sommerfeldt

Lora Giangregorio  
Jenna Gibbs  
Monique Gignac  
Kristine Godziuk  
Anita Gross  
Douglas Gross  
Christine Guptill  
Jill Hayden  
Liz Harrison  
Jeffrey Hebert  
Wendy Hill  
Michael Anthony Hunt  
Tara Kajaks  
Dorothy Kim  
Graham King  
Dylan Kobsar  
Cheryl Kozey  
Marie Laberge

### **Knowledge Users**

Catherine Hofstetter (Principal  
Knowledge User)  
Corrie Billedeau  
Lynn Cooper

### **Collaborators**

Jacque Gibson  
Joe Godges  
Genevieve Hladysh  
Paul Hodges  
Daniel Imbeau  
Jacques Laliberté  
Charissa Levy

### **Trainees**

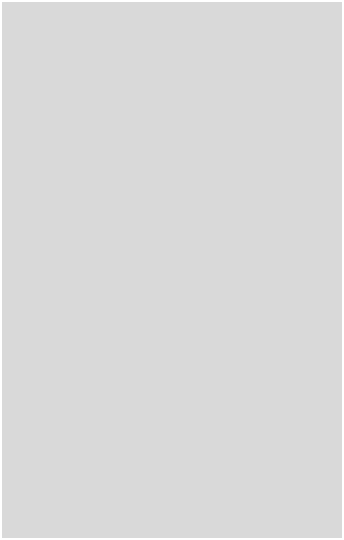
Talia Alenabi  
Alec Bass  
Lauren Benson  
Aleks Budarick  
Junie Carriere  
Eda Cinar  
Jesse Charlton  
Elysia Davis  
Simon Decary  
Simon Deslauriers  
Andreas Ejupi  
Jean Francois Esculier  
Maryam Farzad  
Antoine Frasier  
Jonathan Gervais-Hupe  
Marianne Gagnon

Peter Stillwell  
Susan Stock  
Mike Szekeres  
Matthew Teeter  
Jane Thornton  
Yannick Tousignant-Laflamme  
Ana Luisa Trejos  
Katia Turcot  
Nathan Urquhart  
David Walton  
Hope Weiler  
Marie Westby  
Jackie Whittaker  
Timothy Wideman  
Ryan Willing  
Gregory Wohl  
Linda Woodhouse  
Audrey Zucker Levin

Fabio Feldman  
Anne Lyddiatt  
Linda Wilhelm  
Hazel Wilson

Sue Mawson  
Erinn McQueen  
Jann Paquette-Warren  
Jean Francois Esculier  
Cathie Sherrington  
Linda Wilhelm

Mathieu Lalumiere  
Christina Le  
Christian Longtin  
Fabio Carlos Lucas De Oliviera  
Michael Lukacs  
Edward Madou  
Marylie Martel  
Giulia Mesaroli  
Maxime Mireault  
Stephanie Nathaniel  
Florian Naye  
Humberto Omana  
Steven Pretty  
Codie Primeau  
Sydney Robinson  
Cathie Sherrington



Maryam Ghodrati  
Tokiko Hamasaki  
Renauld Jeffrey-Gauthier  
Tara Kajaks  
Michaela Khan

Linda Truong  
Zakir Uddin  
Kyle Vader  
Roua Walha