

# ANNUAL REPORT 2021



**ENRRICH**



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# INTRODUCTION

## WHO WE ARE

ENRRICH is a collaborative effort between three major provincial hubs for pediatric neurodevelopment and rehabilitation located in Winnipeg, Manitoba: Children's Hospital, Specialized Services for Children and Youth (SSCY), and the Pan Am Concussion Program. We are committed to the theme's vision of improving the quality of life for children and families requiring pediatric neurodevelopment and rehabilitation services in Manitoba, central Nunavut, and northern Ontario through research.

## WHAT WE DO

Our members focus on neurodevelopment and rehabilitation research in child health from a diverse range of backgrounds, including, but not limited to, pediatrics and child health, nursing, occupational and physical therapy, biochemistry and medical genetics, and clinical psychology. We aim to build a community that produces high quality research, attracts and supports trainees, and that is increasingly educated regarding Indigenous ways and cultural safety in research. We will accomplish these aims by supporting a diverse membership, through engaging trainees to develop a trainee network tailored to their needs, providing and promoting relevant educational opportunities, and supporting new collaborations through the Catalyst Grant process.

## WHY WE DO IT

Compared to the national average of 3.7%, Manitoba has a higher proportion (4.1%) of youth aged 0-14 years who live with at least one disability. While there is strength in neurodevelopment and rehabilitation research in Manitoba, much of this research has been accomplished within silos by individual researchers or small groups of researchers rather than by coordinated interdisciplinary teams and collaborations that are better suited to creatively and effectively improving outcomes and quality of life among Manitoba children. ENRRICH exists to support this collaboration, by creating a hub of interdisciplinary research and knowledge translation that improves quality of life for children and families requiring pediatric neurodevelopment and rehabilitation services in Manitoba, central Nunavut, and northern Ontario.

## MISSION, VISION, AND VALUES

### MISSION

The mission of ENRRICH is to inspire and facilitate collaborations, research program development and execution, and trainee opportunities to generate new research and knowledge translation methods in the fields of pediatric neurodevelopment and rehabilitation.

### VISION

The vision of ENRRICH is to improve outcomes and quality of life for children and families requiring pediatric neurodevelopment and rehabilitation services in Manitoba, central Nunavut, and northern Ontario through research.

### VALUES

- Evidence-based, family integrated, and culturally safe research
- Strong and effective partnerships with children, families, clinicians, policy makers, and scientists
- Excellence as a standard in child health research and care

## EXECUTIVE TEAM

Co-leads

**Kelly Russell**, PhD, Pediatrics and Child Health**Kristy Wittmeier**, BMRPT, PhD, Pediatrics and Child Health

Coordinators

**Mairo Ahmadu**, BA, CHRIM**Brittany Curtis**, MCP, CHRIM

SSCY Research Associate

**Elizabeth Hammond**, BMRPT, PhD, Pediatrics and Child Health

## MEMBERSHIP

1 Knowledge Keeper

30 Investigators

4 Professionals

7 Trainees

3 Parent Advisors

**Total: 45**

## PARTNER ORGANIZATIONS



## EXTERNAL ADVISORY

**Tracy Blake**, PT, PHD

Lead Physiotherapist, Volleyball Canada; Lecturer, Department of Physical Therapy, University of Toronto; Physical Therapist, University Health Network-Toronto Western Hospital

**Annette Majnemer**, OT, PhD, FCAHS

Professor, School of Physical and Occupational Therapy, McGill University; Senior Scientist, Research Institute-McGill University Health Centre

**Nick Reed**, MScOT, OT Reg. (Ont.), PhD

Associate Professor, Department of Occupational Science and Occupational Therapy, University of Toronto; Canada Research Chair in Pediatric Concussion

**Shannon Scott**, RN, FCAHS, FCAN, PhD

Professor, Faculty of Nursing, University of Alberta; Canada Research Chair in Knowledge Translation in Child Health; Distinguished Researcher, Stollery Children's Hospital

## Engaging in Cultural Safety Training and Supporting Culturally Safe Practice

Alongside Cultural Specialist, Healer and Knowledge Keeper, Dr. Mary Wilson, the executive team, and parent advisors hosted a workshop series for ENRRICH members and trainees. The workshop series focused the language of research, from an anti-racism lens. This educational series began in the month of February 2021 and ran through the month of April 2021. A manuscript was developed by the executive team, parent advisors, and Dr. Mary Wilson to share our learnings and the impact of the workshop series on research. The manuscript titled “The Language of Research: Creating spaces to better understand how we speak, and how we are heard” has been submitted for publication.

Also, in collaboration with Rehabilitation Centre for Children (RCC), CanChild, Dr. Mary Wilson, and with support through the Jordan’s Principle Program, the Measure of Processes of Care (MPOC) was translated into five Indigenous languages: Cree, Ojibwe, Oji-Cree, Dakota, and Dene. The MPOC is a family satisfaction and experience survey commonly used in clinical practice, research, and quality improvement. These translations are now available for use across Canada.

The executive team continues to participate in ongoing learning to support culturally safe research approaches. Three members of the executive team attended the University of Manitoba’s Community Engaged Learning series titled, “Working in Good Ways: a framework and resources for Indigenous community engagement”. ENRRICH co-leads are also working to ensure that the ENRRICH executive team completes training in the Fundamentals of OCAP® (Ownership, Control, Access, and Possession), which is The First Nations Information Governance Centre’s (FNIGC) online training course developed in partnership with Algonquin College Corporate Training.

## Research Grants and Awards

### *Investigator Research Grants*

Over the course of the year, ENRRICH Investigators were awarded several research grants. Two national grants were granted through Canadian Institutes of Health Research (CIHR) to Dr. Kristy Wittmeier as the Principal Investigator to conduct a social network analysis to examine how researchers, parents, clinicians, and knowledge brokers share information and evidence in relation to pediatric neurodevelopment and rehabilitation. Dr. Kelly Russell is a Co-Investigator on both CIHR grants, and this represents the first time ENRRICH’s co-leads have obtained national funding together.

In addition, ENRRICH Investigators, Dr. Mandy Archibald received new investigator grant from Research Manitoba for her project titled “A Living Lab for Pediatric Development and Rehabilitation Research: Innovating on Integrated Knowledge Translation for Family-Centered Care”, Dr. Roberta Woodgate received two CIHR grants for her projects titled “Making Visible the Life Stories of Families of Children who are Immunocompromised

During COVID-19” and “Young Immigrants and Refugees Co-designing Mental Health and Well-being Solutions”, and Dr. Leslie Roos received multiple CIHR grants to further her research program around maternal mental health and pediatric development.

We also held our second ENRRICH Catalyst Grant competition and awarded a grant to Principal Investigator Dr. Florencia Ricci to support a new collaboration with Dr. Mara Fridell, Dr. Ana Hanlon-Dearman, Dr. Stefanie Narvey, and Pediatric Resident Dr. Ryan Phung.

#### *Trainee Award*

ENRRICH Trainee, Tegan Turner, won the 17th Annual Child Health Research Days-Dr. Goodbear’s Den Oral Presentation Competition for her research entitled “A Systematic Review and Meta-analysis of Language Abilities in Preschool Children with Critical Congenital Heart Disease”. This was her BScMed research project, and she is co-supervised by Dr. Florencia Ricci and Dr. Kelly Russell. She has also submitted a manuscript of this work to the academic journal Pediatrics.

### **Increasing Research Capacity**

Two major initiatives are underway that will increase future research capacity. These initiatives are conducted in close collaboration with RCC/SSCY Centre management team. The first initiative is developing a process for the inclusion of data from select RCC/SSCY clinics into the Manitoba Centre for Health Policy research data repository. The repository holds provincial population-based health, social, education, and justice data. The expansion will include RCC/SSCY data to provide an unprecedented opportunity to conduct population-based health research in the areas of pediatric neurodevelopment and rehabilitation in Manitoba.

The second initiative is the development of the Consent to Contact process at RCC/SSCY. This process will facilitate the recruitment of research participants for ENRRICH Investigators, RCC, Manitoba Possible, Child Development Clinic (CDC), and the FASD clinic at SSCY Centre. Building a database of families who are willing to be connected with ENRRICH research projects will provide a valuable resource to support recruitment. Our Consent to Contact is housed within Accuro Electronic Medical Records (Accuro EMR) making it possible to identify specific eligible groups for email/mail-out targeted requests and can estimate the number of families available for sample size calculations. Connecting with families to enrol in this database is being trialed in numerous ways including pop-up research stations outside of clinic areas, attending vaccine clinics at RCC/SSCY Centre, and plans to develop a volunteer undergraduate program to support research recruitment is under way. We have also focused on ways to improve the process of research at SSCY Centre. Several guidelines have been established outlining supported methods for recruitment, data access, storage, timelines for Accuro EMR queries, and

student/research staff access. The development of these guidelines is intended to minimize delays and provide clear processes for research to run efficiently at SSCY Centre.

### **Website and Media Content Development**

Following the ENRRICH website launch in April 2021, designed by Visuable Ltd, we have focused on disseminating information to the larger community through regular website updates. Website updates include sharing members' most recent journal publications, adding key calendar events beneficial to those connected to ENRRICH, and communicating ENRRICH Catalyst Grant application and process. To date, our website metrics indicate 843 visits (622 are unique) with major geographical reach in Canada, United States, Australia, and United Kingdom.

The website has fostered connection among members, served as an avenue for the theme's visibility to other researchers, research groups, and potential trainees. Furthermore, the ENRRICH website has provided a platform for expansion to grow the theme's effort in connecting community and sharing informing regarding ongoing research. Also, the executive team worked closely with Erin Hill and Stephanie Matthews of the CHRIM Communications team to develop a whiteboard video that can act as a functional introduction to our theme. The whiteboard video has been scheduled for a media launch early 2022.

### **ENRRICH Member Strategic Planning Meeting**

In October 2021, ENRRICH members were invited to a Strategic Planning meeting where we met as a group to review our progress and receive feedback from members about key areas to grow as we move forward. This meeting was facilitated by Dr. Mary Wilson, and Parent Advisory Member Carrie Costello. High priority actionable items discussed at the strategic planning meeting were to:

- Increase communication about existing opportunities and resources for trainees, and continue to share/encourage more student volunteer opportunities to participate in research
- Partner with CHRIM Trainee Career Development Group to develop a trainee handbook of resources available for networking or jobs outside of academia
- Ensure options are available for health care providers to engage with the theme and bring clinically relevant questions to ENRRICH researchers for potential collaboration
- Increase opportunities to translate research from research to the clinic in a timely way
- Encourage ENRRICH members to attend therapist outreach meetings to share work, providing opportunity for two-way feedback between researchers and therapists/clinicians for information sharing and critical evaluation
- Provide more opportunities to learn about decolonizing research, and enable more cultural learning and support (more sessions with Dr. Mary Wilson and other Indigenous leaders)
- Provide more regular theme updates to members and the SSCY Board to help encourage engagement

# IMPACT ON CHILD HEALTH

## “Our Favourite Words”

Members of ENRRICH are partnering with researchers at CanChild (Hamilton, Ontario) to conduct an implementation study related to the “F” Words of Child Development (locally referred to as “Our Favourite Words”), at SSCY Centre. This project involves clinical, research, and family partners from multiple sites in Winnipeg, including representatives from Manitoba Provincial Therapy Network.

“Our Favourite Words” (Function, Family, Fitness, Fun, Friends, and Future) reflect the key themes of the 2001 World Health Organization’s (WHO) International Classification of Functioning, Disability and Health framework. The words represent a strength-based and family-led approach to clinical practice. ENRRICH’s goal is to further support the dissemination and implementation of “Our Favourite Words” in clinical practice at an organizational level including youth, families, caregivers, service providers, and administration.

## Fostering New Collaborations

We are creating opportunities for connections between all ENRRICH members to foster new and innovative research collaborations. We have started to see the development of these connections and collaborations with the awarding of two Catalyst Grants in 2020. While we are working to bring together diverse research perspectives, we are also promoting and encouraging CHRIM membership and participation in the CHRIM community for those who were not previously members.

Prior to the establishment of ENRRICH, there were minimal pediatric residents completing their resident research project in this field. There has been a notable increase in the number of pediatric residents who are supervised by ENRRICH members and who are completing their resident research projects in neurodevelopment and rehabilitation. Currently, we have two second-year residents working with Dr. Leslie Roos and Dr. Florencia Ricci; one third-year resident working with Dr. Ana Hanolon-Dearman; and two fourth-year residents working with Dr. Ana Hanolon-Dearman and Dr. Florencia Ricci. Residents’ projects include:

- Assessing Certainty of the Tele-ASD in Virtual Diagnosis of Autism Spectrum Disorder (Hanolon-Dearman)
- Trainee Satisfaction with Pediatric Postgraduate Child Development Curriculum (Hanolon-Dearman)
- Osteoporosis Among Children with Cerebral Palsy (Ricci)
- Exploring The Association Between Autism Spectrum Disorder and Immigration Among a Cohort of Preschoolers in Manitoba (Ricci)
- Promoting Children’s Emotional Well-Being in the Aftermath Of COVID-19: The SPACE Family Program (Roos)

This increase in pediatric resident research involvement is partially attributed to developing and streamlining research processes at SSCY, largely spearheaded by executive team member, Dr. Elizabeth Hammond.



## FUNDING HIGHLIGHTS

The following ENRRICH team members have received principal investigator research funding related to pediatric neurodevelopment and rehabilitation. Any ENRRICH co-investigators are also listed.

### ARCHIBALD, MANDY

A Living Lab for Pediatric Development and Rehabilitation Research: Innovating on Integrated Knowledge Translation for Family-Centered Care  
Research Manitoba New Investigator Operating Grant Competition  
2021-2023  
\$130,000

### COSTELLO, CARRIE

Determining the Benefits and Drawbacks of Parents Using Personal Connections and Networks for Recruitment in Research Projects  
CHILD-BRIGHT Network Grants  
2021-2022  
\$5,000

Total dollar value of ENRRICH members' research funding currently held in fiscal year 2021 (April 2021– March 31, 2022)  
**\$3,175,178**

### HAMMOND, ELIZABETH

Medoc TSA2 Air Equipment  
Small Research Equipment Fund (SREF)  
University of Manitoba  
2021  
\$25,000

Total of active research funding awarded (and held in Manitoba) in the past 12 months  
**\$1,870,243**

### KARIMI, SOHEILA

Delineation of Extrinsic Mechanisms Regulating Neural Stem and Progenitor Cells in the Adult Spinal Cord  
Natural Sciences and Engineering Research Council (NSERC) Bridge Funding  
2021-2022  
\$30,000

### KELLY, LAUREN

Development, Validation, and Implementation of a Knowledge Synthesis Reporting Guideline for Outcome Measurement Instruments in Health Research  
CIHR Operating Grant  
2021-2024  
\$392,010

**LOUIS, DEEPAK**

Evaluating the Impact of Preterm Birth on Parents Across  
Canada: A Mixed-Method Research Study (EIPOP study)  
CHRIM Operating Grant  
2021-2023  
\$42,150

**LOUIS, DEEPAK**

Mental Health Outcomes of Parents of Children Born Preterm in Manitoba: A Population-Based  
Cohort Study  
Manitoba Medical Services Foundation (MMSF) Operating grant  
2021-2022  
\$35,000

**RASTEGAR, MOJGAN**

Characterizing Novel RTT-Associated Target Genes Using Clinically Relevant Model Systems  
CHRIM Operating Grant  
2021-2022  
\$50,000

Targeting the Molecular and Structural Abnormalities of Brain Cells for Rett Syndrome  
Ontario Rett Syndrome Association (ORSA) Hope Fund  
2021-2022  
\$50,000

Targeting Subtype-Specific Cell Death in Medulloblastoma Brain Tumor  
University of Manitoba URGP  
2021-2022  
\$10,000

Behavioural Assessment of Rett Syndrome Mice (Anymaze Software Purchase)  
CHRIM Small Grants  
2021-2022  
\$5,000

**RICCI, FLORENCIA**

Seeking Wisdom-A Longitudinal Population-Based Long-Term Follow-Up Study of Congenital  
Surgeries  
CIHR  
2021-2024  
\$125,000

**ROOS, LESLIE**

Spykids: The Development and Evaluation of Single-Session Psychotherapy for Young Kids Through  
Patient Engagement Techniques  
CHRIM  
2021-2026  
\$50,000

Promoting Children's Emotional Well-Being in the Aftermath of COVID-19: The SPACE Family Program  
 Social Sciences and Humanities Research Council (SSHRC) Insight Development Grant  
 2021-2023  
 \$75,000

Preventing the Intergenerational Transmission of Mental Illness in At-Risk Preschool Children  
 CIHR Operating Grant  
 2021-2024  
 \$105,000

The Building Regulation in Dual Generations Program (BRIDGE); Preventing the Intergenerational Transmission of Mental Illness in At-Risk Preschool Children  
 CHRIM Matching Funds  
 Program  
 2021-2024  
 \$105,000

An mHealth Intervention and Community Partnership to Promote Mental Health in Children Born to Mothers with Depression and Psychosocial Stress During COVID-19: A Randomized Controlled Trial  
 CIHR Operating Grant  
 2021-2022  
 \$150,000

Understanding Dynamics of Risk and Protective Factors and Children's Mental Health During the COVID-19 Pandemic  
 CIHR Operating Grant  
 2021-2022  
 \$141,613

Establishing a Neural Signature of Acute Stress Reactivity  
 NSERC Discovery Grants Program  
 2021-2022  
 \$140,000

The Development and Pilot Evaluation of a Patient-Informed Treatment for Trauma-Related Symptoms in Perinatal People with Interpersonal Trauma Histories  
 CHRIM Operating Grant  
 2021-2022  
 \$49,955

**WERBOWETSKI-OGILVIE, TAMRA**

Novel Combination Therapies for SHH Medulloblastoma  
 Rally Foundation for Childhood Cancer Research (US)  
 2021-2022  
 \$50,000

**WITTMEIER, KRISTY**

Using Social Network Analysis to Understand Knowledge Translation in Child Development and Rehabilitation

CIHR Project Grant; Bridge Funding Priority Announcement

2021-2022

\$100,000

A Mixed Methods Social Network Analysis Approach to Understand Knowledge Translation in Child Development and Rehabilitation

CIHR Project Grant

2021-2023

\$240,976

**WOODGATE, ROBERTA**

Making Visible the Life Stories of Families of Children who are Immunocompromised During COVID-19

CIHR Project Grant

2021-2024

\$358,594

Young Immigrants and Refugees Co-Designing Mental Health and Well-Being Solutions

CIHR Project Grant

2021-2025

\$761,176

## RECOGNITIONS

### 2021 ENRRICH CATALYST GRANT AWARD

**DR. FLORENCIA RICCI**

MD, PhD

Exploring the Association Between Autism Spectrum Disorder and Immigration Among a Cohort of Preschoolers in Manitoba

\$15,000

**TEGAN TURNER**

BKin, BScMed

A Systematic Review and Meta-analysis of Language Abilities in Preschool Children with Critical Congenital Heart Disease

Winner, 17th Annual Child Health Research Days-Dr. Goodbear's Den Oral Presentation

### TRAINEE AWARD

## NEW MEMBERS

### 1 Trainee

#### **KAITLYN TYMKO (SHE/HER)**

BKin, MPT

Kaitlyn Tymko joined as a physiotherapy Student (degree now completed). During her research block within the Master of Physical Therapy Clinical program at the University of Manitoba, she worked with Dr. Kristy Wittmeier to examine the role of videoconferencing during the COVID19 pandemic. This work has been submitted for publication.

### 5 Investigators

#### **ROBERT BEATTIE (HE/HIM)**

BSc, PhD

Originally from Winnipeg, Dr. Robert Beattie completed his undergraduate studies at the University of Manitoba in microbiology. After an internship at the National Microbiology Labs, he went to Europe to complete his graduate studies. His PhD work was primarily done in Basel, Switzerland, with a brief period in Sheffield, England and Freiburg, Germany, before moving to Vienna, Austria as a postdoctoral fellow at the Institute of Science and Technology (IST) Austria. He contributed to advancing a genetic technology for studying health and disease at single-cell resolution called Mosaic Analysis with Double Markers (MADM). Returning to Winnipeg, he plans to apply these novel tools to study childhood developmental disorders, including autism spectrum disorder. He is specifically interested in understanding how individual cell types functionally contribute to these disorders and the molecular pathways involved.

#### **MOGJAN RASTEGAR (SHE/HER)**

BSc, MSc, DEA, PhD

Dr. Mojgan Rastegar is a Professor in the Department of Biochemistry and Medical Genetics at the University of Manitoba and has been a Scientist at CHRIM for over a decade. She has a PhD degree in Biomedical Sciences from the Université Catholique de Louvain (UCL), Brussels, Belgium. She completed her postdoctoral training at the Hospital for Sick Children (Toronto, Canada), McGill University (Montreal, Canada), and Indiana University-Purdue University (Indianapolis, USA). Her research is focused on the role of epigenetics in neural stem cell differentiation, brain development, mental health, and neurodevelopmental disorders including Rett Syndrome. She oversees the “Human Rett Syndrome Brain Bio-Repository Laboratory” at the University of Manitoba, a Canadian site for Human Rett Syndrome post-mortem brain donations from human patients which has been developed via donations arranged through ORSA. Her research has been supported by international and national funding agencies, including International Rett Syndrome Foundation (IRSF), NSERC-DG, Ontario Rett Syndrome Association (ORSA), and CIHR.

#### **LESLIE ROOS (SHE/HER)**

BA, BS, MSC, PHD

Dr. Leslie Roos completed her clinical residency at the Centre for Addiction and Mental Health in Toronto and received her PhD in Clinical Psychology from the University of Oregon (2018). She is Junior Fellow at the Center on the Developing Child at Harvard University, Affiliated Researcher with the Children’s Hospital Research Institute of Manitoba, and Chair of the Academic Research Committee at

the Until the Last Child Foundation. As a mother of three young children, she is also familiar with many parenting challenges and continually impressed with the incredible effort families put forward every day.

**STEFANIE NARVEY (SHE/HER)**

BA, MA, MD, FRCPC

Dr. Stefanie Narvey is a Developmental Pediatrician in Winnipeg, Manitoba, working at SSCY, where she works with children and youth who are referred with concerns about their development, learning, and behavior. This includes work with the Child Development Clinic, Child Protection Child Development Clinic, and Manitoba FASD Centre, as well as outreach clinics to rural and remote communities. She is an Assistant Professor in the Department of Pediatrics and Child Health at the University of Manitoba and is the Program Director of the Developmental Pediatrics subspecialty residency training program. She also serves as the President of the SSCY Medical Staff Council, and in that capacity sits on the Board of Directors of the Rehabilitation Centre for Children.

**MARA FRIDELL (SHE/HER)**

BA, MA, PhD

Dr. Mara Fridell is an Assistant Professor in the Department of Sociology at University of Manitoba. She brings to research collaboration her expertise in comparative immigration policy and outcomes in Europe, the US, and Canada, with particular attention to gender, racial, and economic relations. As a former National Science Foundation fellow in Complex Ecology, she has a long-time research interest in biology and social relations as well. She has recently studied, guest lectured (at Copenhagen University), and taught internationally at the graduate level on the historical and current development of sociologically relevant epigenetic research.

## NEW COLLABORATIONS

**Mandy Archibald** (Nursing) *with*

Florencia Ricci (Pediatrics and Child Health)

Kelly Russell (Pediatrics and Child Health)

Kristy Wittmeier (Pediatrics and Child Health)

Roberta Woodgate (Nursing)

**Kristene Cheung** (Clinical Psychology) *with*

Susan Doyle (Psychology)

**Mary Wilson** (Rehabilitation Centre for Children) *with*

Liz Banister (Rehabilitation Centre for Children)

Carrie Costello (Rehabilitation Centre for Children)

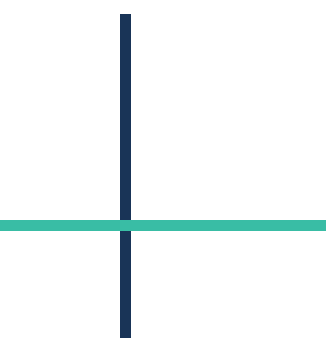
Brittany Curtis (CHRIM)

Elizabeth Hammond (Pediatrics and Child Health)

Kelly Russell (Pediatrics and Child Health)

Kristy Wittmeier (Pediatrics and Child Health)

**Kristy Wittmeier** (Pediatrics and Child Health) *with*  
CanChild (Hamilton, Ontario)  
Stephanie Glegg (Occupational Science and Occupational Therapy, University of British Columbia)  
Kelly Russell (Pediatrics and Child Health)



# Appendix A: Scholarly Publications by ENRRICH Members

A total of 34 out of 45 ENRRICH members submitted their publications for the year 2021 to be included in this Annual General Report. Additional ENRRICH members are also bolded to show collaborations.

## Archibald, Mandy

**Archibald, M.**, Ambagtsheer, R., Lawless, M. T., Thompson, M. O., Shultz, T., Chehade, M. J., Whiteway, L., Sheppard, A., Plaza, M. P., and Kitson, A. L. (2021). Co-Designing Evidence-Based Videos in Health Care: A Case Exemplar of Developing Creative Knowledge Translation “Evidence-Experience” Resources. *International Journal of Qualitative Methods*, 20, 16094069211019623.

**Archibald, M.**, and Blines, J. (2021). Metaphors In the Making: Illuminating the Process of Arts-Based Health Research Through a Case Exemplar Linking Arts-Based, Qualitative and Quantitative Research Data. *International Journal of Qualitative Methods*, 20, 1609406920987954.

**Archibald, M.**, Wiebe, S., Rieger, K., Linton, J., and **Woodgate, R.** (2021). Protocol for a Systematic Review of Living Labs in Healthcare. *BMJ Open*, 11(2), E039246.

**Archibald, M. M.**, Dart, A., Wicklow, B., Pundyk, K. J., Marks, S. D., and Sellers, E. A. (2021). Youth Perceptions and Experiences of Type 2 Diabetes: Protocol for a Collaborative Knowledge Translation Approach and Qualitative Study. *Journal Of Advanced Nursing*.

**Archibald, M. M.**, **Wittmeier, K.**, Gale, M., **Ricci, F.**, **Russell, K.**, and **Woodgate, R. L.** (2021). Living Labs for Patient Engagement and Knowledge Exchange: An Exploratory Sequential Mixed Methods Study to Develop a Living Lab in Pediatric Rehabilitation. *BMJ Open*, 11(5), E041530.

Asghari, E., **Archibald, M.**, and Roshangar, F. (2021). Nursing Interventions for Patients with Covid-19: A Medical Record Review and Nursing Interventions Classification Study. *International Journal of Nursing Knowledge*.

De Plaza, Maria Alejandra Pinero, Beilegoli, A., Mudd, A., Tieu, M., Mcmillan, P., Lawless, M., Feo, R., **Archibald, M.**, and Kitson, A. (2021). Not Well Enough to Attend Appointments: Telehealth Versus Health Marginalization. *Studies In Health Technology and Informatics: Healthier Lives, Digitally Enabled* (Pp. 72-79). IOS PRESS.

Khosravi, A., Alavi, M., Eghbali Babadi, M., Shahriari, M., Molavi, R., Mahmoodi, A., and **Archibald, M.** (2021). Physicians’ Perspectives of the Factors Influential in Implementing National Clinical Guidelines for Hypertension in Iran: A Qualitative Study. *Preventive Care in Nursing and Midwifery Journal*, 11(4), 55-62.

Lawless, M. T., Drioli-Phillips, P., **Archibald, M. M.**, Ambagtsheer, R. C., and Kitson, A. L. (2021). Communicating with Older Adults with Long-term Conditions About Self-Management Goals: A Systematic Review and Thematic Synthesis. *Patient Education and Counseling*.



O'Rourke, H. M., Hopper, T., Bartel, L., **Archibald, M.**, Hoben, M., Swindle, J., Thibault, D., and Whynot, T. (2021). Music Connects Us: Development of a Music-Based Group Activity Intervention to Engage People Living with Dementia and Address Loneliness. *Healthcare*, 9(5) 570.

### Cheung, Kristene

**Cheung, K.**, Clayton, K., and **Doyle, S.** (2021). Discrepancies In Performance-Based Measures and Teacher Ratings of Executive Function in the Assessment of FASD. *Advances In Neurodevelopmental Disorders*, 1-10.

**Cheung, K.**, Johns, E., Willoughby, D., and Slayen, C. (2021). The Association Between Executive Functioning, Attention, and Adaptive Functioning Among Children and Adolescents with Prenatal Alcohol Exposure. *Advances In Neurodevelopmental Disorders*, 1-15.

### Doyle, Susan

**Cheung, K.**, Clayton, K., and **Doyle, S.** (2021). Discrepancies in Performance-Based Measures and Teacher Ratings of Executive Function in the Assessment of FASD. *Advances In Neurodevelopmental Disorders*, 1-10.

### Ellis, Michael

Ballinger, K., McGuinty, D., Girardin, R., Zerkee, L., **Ellis, M. J.**, and **Russell, K.** (2021). Clinical Outcomes of Pediatric Acute Sport- and Non-Sport-Related Concussions. *Canadian Journal of Neurological Sciences*, 1-7.

### Hanlon-Dearman, Ana

Glenwright, M., Scott, R., Bilevicius, E., Pronovost, M., and **Hanlon-Dearman, A.** (2021). Children with Autism Spectrum Disorder can Attribute False Beliefs in a Spontaneous-Response Preferential-Looking Task. *Frontiers In Communication*, 6, 146.

Wall-Wieler, E., Bateman, B. T., **Hanlon-Dearman, A.**, **Roos, L. L.**, and Butwick, A. J. (2021). Association of Epidural Labor Analgesia with Offspring Risk of Autism Spectrum Disorders. *JAMA Pediatrics*.

**Karimi, Soheila**

Allanach, J. R., Farrell III, J. W., Mésidor, M., and **Karimi-Abdolrezaee, S.** (2021). Current Status of Neuroprotective and Neuroregenerative Strategies in Multiple Sclerosis: A Systematic Review. *Multiple Sclerosis Journal*, 13524585211008760.

Hart, C. G., and **Karimi-Abdolrezaee, S.** (2021). Recent Insights on Astrocyte Mechanisms in CNS Homeostasis, Pathology, and Repair. *Journal Of Neuroscience Research*, 99(10), 2427-2462.

Kataria, H., Hart, C. G., Alizadeh, A., Cossoy, M., Kaushik, D. K., Bernstein, C. N., Marrie, R. A., Yong, V. W., and **Karimi-Abdolrezaee, S.** (2021). Neuregulin-1 Beta 1 is Implicated in Pathogenesis of Multiple Sclerosis. *Brain*, 144(1), 162-185.

Shahsavani, N., Alizadeh, A., Kataria, H., and **Karimi-Abdolrezaee, S.** (2021). Availability of Neuregulin-1beta1 Protects Neurons in Spinal Cord Injury and Against Glutamate Toxicity Through Caspase Dependent and Independent Mechanisms. *Experimental Neurology*, 345, 113817.

Shahsavani, N., Kataria, H., and **Karimi-Abdolrezaee, S.** (2021). Mechanisms and Repair Strategies for White Matter Degeneration in CNS Injury and Diseases. *Biochimica Et Biophysica Acta (BBA)-Molecular Basis of Disease*, 166117.

**Kazina, Colin**

Howden, K., Chapman, S., Serletis, D., **Kazina, C., Rafay, M. F.,** Faury, D., Hazrati, L., Jabado, N., and Vanan, M. I. (2021). Management Of Inoperable Supra-Sellar Low-Grade Glioma with BRAF Mutation in Young Children. *Cureus*, 13(11).

**Kelly, Lauren**

Afolabi, M. O., and **Kelly, L. E.** (2021). Non-Static Framework for Understanding Adaptive Designs: An Ethical Justification in Paediatric Trials. *Journal Of Medical Ethics*.

Chapman, S., Protudjer, J., Bourne, C., **Kelly, L. E.,** Oberoi, S., and Vanan, M. I. (2021). Medical Cannabis in Pediatric Oncology: A Survey of Patients and Caregivers. *Supportive Care in Cancer*, 1-6.

Huntsman, R. J., **Kelly, L. E.,** Alcorn, J., Appendino, J. P., Bélanger, R. E., Crooks, B., Finkelstein, Y., Gilpin, A., Lewis, E., and Litalien, C. (2021). Improving the Regulation of Medical Cannabis in Canada to Better Serve Pediatric Patients. *CMAJ*, 193(41), E1596-E1599.

**Maharjan, Pramila**

**Maharjan, P.,** Murdock, D., Tielemans, N., Goodall, N., Temple, B., Askin, N., and **Wittmeier, K.** (2021). Interventions to Improve the Cast Removal Experience for Children and their Families: A Scoping Review. *Children*, 8(2), 130.

**Marzban, Hassan**

Jiao, X., Rahimi Balaei, M., Abu-El-Rub, E., Casoni, F., Pezeshgi Modarres, H., Dhingra, S., Kong, J., Consalez, G. G., and **Marzban, H.** (2021). Reduced Granule Cell Proliferation and Molecular Dysregulation in the Cerebellum of Lysosomal Acid Phosphatase 2 (ACP2) Mutant Mice. *International Journal of Molecular Sciences*, 22(6), 2994.

**Moddemann, Diane**

**Ricci, M. F.**, Fung, A., **Moddemann, D.**, Micek, V., Bond, G. Y., Guerra, G. G., Day, C., and Robertson, C. M. (2021). Comparison of Motor Outcomes Between Preschool Children with Univentricular and Biventricular Critical Heart Disease Not Diagnosed with Cerebral Palsy or Acquired Brain Injury. *Cardiology In the Young*, 1-8.

**Parsons, Joanne**

**Parsons, J. L.**, Coen, S. E., and Bekker, S. (2021). Anterior Cruciate Ligament Injury: Towards a Gendered Environmental Approach. *British Journal of Sports Medicine*.

**Rafay, Mubeen**

Howden, K., Chapman, S., Serletis, D., **Kazina, C.**, **Rafay, M. F.**, Faury, D., Hazrati, L., Jabado, N., and Vanan, M. I. (2021). Management of Inoperable Supra-Sellar Low-Grade Glioma with BRAF Mutation in Young Children. *Cureus*, 13(11).

**Rastegar, Mojgan**

Buist, M., Fuss, D., and **Rastegar, M.** (2021). Transcriptional Regulation of MECP2E1-E2 Isoforms and BDNF by Metformin and Simvastatin Through Analyzing Nascent RNA Synthesis in a Human Brain Cell Line. *Biomolecules*, 11(8), 1253.

Imani, M., Mohajeri, N., **Rastegar, M.**, and Zarghami, N. (2021). Recent Advances in FRET-Based Biosensors for Biomedical Applications. *Analytical Biochemistry*, 114323.

Pejhan, S., and **Rastegar, M.** (2021). Role Of DNA Methyl-CPG-Binding Protein Mecp2 in Rett Syndrome Pathobiology and Mechanism of Disease. *Biomolecules*, 11(1), 75.

**Rempel, Gina**

Kanitkar, A., Parmar, S. T., Szturm, T. J., Restall, G., **Rempel, G.**, Naik, N., Gaonkar, N., Sepehri, N., and Ankolekar, B. (2021). Reliability and Validity of a Computer Game-Based Tool of Upper Extremity Assessment for Object Manipulation Tasks in Children with Cerebral Palsy. *Journal Of Rehabilitation and Assistive Technologies Engineering*, 8, 20556683211014023.

Kanitkar, A., Parmar, S. T., Szturm, T. J., Restall, G., **Rempel, G.**, and Sepehri, N. (2021). Parents' Perspectives on a Computer Game-Assisted Rehabilitation Program for Manual Dexterity in Children with Cerebral Palsy: Qualitative Analysis of Expectations, Child Engagement, and Benefits. *JMIR Rehabilitation and Assistive Technologies*, 8(2), E24337.

**Ricci, Florencia**

**Archibald, M. M., Wittmeier, K., Gale, M., Ricci, F., Russell, K., and Woodgate, R. L.** (2021). Living Labs for Patient Engagement and Knowledge Exchange: An Exploratory Sequential Mixed Methods Study to Develop a Living Lab in Pediatric Rehabilitation. *BMJ Open*, 11(5), E041530.

**Ricci, M. F., Fung, A., Moddemann, D., Micek, V., Bond, G. Y., Guerra, G. G., Day, C., and Robertson, C. M.** (2021). Comparison of Motor Outcomes Between Preschool Children with Univentricular and Biventricular Critical Heart Disease Not Diagnosed with Cerebral Palsy or Acquired Brain Injury. *Cardiology In the Young*, 1-8.

**Ripat, Jacquie**

Cameranesi, M., **Ripat, J. D.**, and Piotrowski, C. C. (2021). "I Wouldn't be Here without Them": Resilience in Youth Exposed to Intimate Partner Violence. *Adversity And Resilience Science*, 2(1), 19-35.

**Ripat, J., Giesbrecht, E., Borisoff, J., Sibley, K. M., Touchette, A., Palsis, R., Morales, E., Ethans, K., and Li, Y.** (2021). Design of an Mhealth Application for Winter Mobility for Mobility Device Users. *Disability And Rehabilitation: Assistive Technology*, 1-8.

Yamamoto, C., Wener, P., **Ripat, J.**, and **Woodgate, R. L.** (2021). Understanding Interprofessional Team Delivery of Patient-Centered Care: A Qualitative Secondary Analysis. *Journal Of Interprofessional Care*, 1-8.

**Roos, Leslie**

Golding, M. A., Salisbury, M. R., Reynolds, K., **Roos, L. E.**, and Protudjer, J. L. (2021). COVID-19-Related Media Consumption and Parental Mental Health. *Canadian Journal of Behavioural Science/Revue Canadienne Des Sciences Du Comportement*,

Merrill, K. A., William, T., Joyce, K. M., **Roos, L. E.**, and Protudjer, J. (2021). Potential Psychosocial Impact of COVID-19 on Children: A Scoping Review of Pandemics and Epidemics. *Journal Of Global Health Reports*, 4, E2020106.

**Roos, L. E.**, Salisbury, M., Penner-Goeke, L., Cameron, E. E., Protudjer, J. L., Giuliano, R., Afifi, T. O., and Reynolds, K. (2021). Supporting Families to Protect Child Health: Parenting Quality and Household Needs During The COVID-19 Pandemic. *Plos One*, 16(5), E0251720.

Wall-Wieler, E., Bateman, B. T., **Hanlon-Dearman, A.**, **Roos, L. L.**, and Butwick, A. J. (2021). Association Of Epidural Labor Analgesia with Offspring Risk of Autism Spectrum Disorders. *JAMA Pediatrics*.

**Russell, Kelly**

**Archibald, M. M.**, **Wittmeier, K.**, Gale, M., **Ricci, F.**, **Russell, K.**, and **Woodgate, R. L.** (2021). Living Labs for Patient Engagement and Knowledge Exchange: An Exploratory Sequential Mixed Methods Study to Develop a Living Lab in Pediatric Rehabilitation. *BMJ Open*, 11(5), E041530

Ballinger, K., Mcguinty, D., Girardin, R., Zerkee, L., **Ellis, M. J.**, and **Russell, K.** (2021). Clinical Outcomes of Pediatric Acute Sport- and Non-Sport-Related Concussions. *Canadian Journal of Neurological Sciences*, 1-7.

Mitra, T. P., Djerboua, M., Mahmood, S., Staudt, S., Nettel-Aguirre, A., **Russell, K.**, Caird, J. K., Chisholm, D., Lane, C., and Emery, C. A. (2021). The Evaluation of a Risky Behavior Tool in Novice Pediatric Skiers and Snowboarders. *Translational Sports Medicine*.

Mitra, T. P., Djerboua, M., Nettel-Aguirre, A., **Russell, K.**, Caird, J. K., Goulet, C., Mahmood, S., McCormack, G. R., Rowe, B. H., and Verhagen, E. (2021). The Effect of a Ski and Snowboard Injury Prevention Video on Safety Knowledge in Children and Adolescents. *Translational Sports Medicine*.

**Werbowetski-Ogilvie, Tamra**

Chukwueke, U. N., Vera, E., Acquaye, A., Hervey-Jumper, S. L., Odia, Y., Klesse, L. J., Dunbar, E., Sharma, A., Fonkem, E., Thomas, A. A., **Werbowetski-Ogilvie, T. E.**, Camelo-Piragua, S., Gatson, N-T. T., De La Fuente, M., Armstrong, T. S., Porter, A. B., and Jackson, S. (2021). SNO 2020 Diversity Survey: Defining Demographics, Racial Biases, Career Success Metrics and a Path Forward for the Field of Neuro-Oncology. *Neuro-Oncology*, 23(11), 1845-1858.

**Wittmeier, Kristy**

**Archibald, M. M., Wittmeier, K., Gale, M., Ricci, F., Russell, K., and Woodgate, R. L.** (2021). Living Labs for Patient Engagement and Knowledge Exchange: An Exploratory Sequential Mixed Methods Study to Develop a Living Lab in Pediatric Rehabilitation. *BMJ Open*, 11(5), E041530.

**Maharjan, P.,** Murdock, D., Tielemans, N., Goodall, N., Temple, B., Askin, N., and **Wittmeier, K.** (2021). Interventions to Improve the Cast Removal Experience for Children and their Families: A Scoping Review. *Children*, 8(2), 130.

Ogoursova, T., O'Donnell, M. E., Filliter, J. H., **Wittmeier, K.**, BRIGHT Coaching Group, and Majnemer, A. (2021). Patient Engagement in an Online Coaching Intervention for Parents of Children with Suspected Developmental Delays. *Developmental Medicine and Child Neurology*, 63(6), 668-674.

Tittlemier, B. J., **Wittmeier, K. D.**, and Webber, S. C. (2021). Quality And Content Analysis of Clinical Practice Guidelines Which Include Nonpharmacological Interventions for Knee Osteoarthritis. *Journal Of Evaluation in Clinical Practice*, 27(1), 93-102.

Tittlemier, B. J., **Wittmeier, K. D.**, Robinson, D. B., and Webber, S. C. (2021). Knee Osteoarthritis: An Investigation into the Clinical Practice of Physiotherapists in Canada. *Physiotherapy Canada*, 73(1), 37-46.

**Wittmeier, K. D.**, Protudjer, J. L., and Wicklow, B. A. (2021). Reflections on Virtual Care for Chronic Conditions During the COVID-19 Pandemic. *Canadian Journal of Diabetes*, 45(1), 1-2.

**Woodgate, Roberta**

**Archibald, M.**, Wiebe, S., Rieger, K., Linton, J., and **Woodgate, R.** (2021). Protocol for a Systematic Review of Living Labs in Healthcare. *BMJ Open*, 11(2), E039246.

**Archibald, M. M., Wittmeier, K., Gale, M., Ricci, F., Russell, K., and Woodgate, R. L.** (2021). Living Labs for Patient Engagement and Knowledge Exchange: An Exploratory Sequential Mixed Methods Study to Develop a Living Lab in Pediatric Rehabilitation. *BMJ Open*, 11(5), E041530

Buduhan, V. H., and **Woodgate, R. L.** (2021). Public Health Nurses in Canadian Schools: An Opportunity to Build Capacity and Nursing Scholarship. *Public Health Nursing*,

Van Bower, V., **Woodgate, R. L.**, Martin, D., and Deer, F. (2021). Exploring Theatre of The Oppressed and Forum Theatre as Pedagogies in Nursing Education. *Nurse Education Today*, 103, 104940.

Van Bower, V., **Woodgate, R. L.**, Martin, D., and Deer, F. (2021). Illuminating Indigenous Health Care Provider Stories Through Forum Theater. *Alternative: An International Journal of Indigenous Peoples*, 1177180121995801.

Van Bower, V., **Woodgate, R. L.**, Martin, D., and Deer, F. (2021). An Indigenous and Arts-Influenced Framework for Anti-Racist Practice in Nursing Education. *Journal Of Professional Nursing*, 37(1), 65-72.

**Woodgate, R. L.**, and Busolo, D. S. (2021). African Refugee Youth's Experiences of Navigating Different Cultures in Canada: A "Push and Pull" Experience. *International Journal of Environmental Research and Public Health*, 18(4), 2063.

**Woodgate, R. L.**, Tennent, P., and Legras, N. (2021). Understanding Youth's Lived Experience of Anxiety Through Metaphors: A Qualitative, Arts-Based Study. *International Journal of Environmental Research and Public Health*, 18(8), 4315.

Yamamoto, C., Wener, P., **Ripat, J.**, and **Woodgate, R. L.** (2021). Understanding Interprofessional Team Delivery of Patient-Centered Care: A Qualitative Secondary Analysis. *Journal Of Interprofessional Care*, 1-8.

TOTAL NUMBER OF UNIQUE PUBLICATIONS = 51

# Appendix B: Student Supervision by ENRRICH Members

## ARCHIBALD, MANDY

### Supervisor:

- Dr. Maria Pinero-De Plaza, University of Adelaide/Flinders University Postdoctoral research appointment, Centre for Research Excellence in Frailty and Healthy Ageing, May 2019-Present
- Dr. Michael Lawless, University of Adelaide/Flinders University Postdoctoral research appointment, Centre for Research Excellence in Frailty and Healthy Ageing, June 2017-Present
- Dr. Lalit Dinesh Yadav (Project supervision), University of Adelaide, *Engaging Patients and Providers of Healthcare to Co-Create An eHealth Educational Platform for Translating Best-Practice Outcomes for Post-discharge Hip Fracture Care*, August 2018-Present
- Dr. James Smyth, University of Adelaide PhD Student. Project “*ED Physicians Perceptions of Frailty and Frailty Screening: A Qualitative Study*”, December 2016-Present
- Mr. Nanle Gusen, University of Manitoba PhD Student (incoming). *Project to be determined*, September 2021-Present

### Committee Member:

- Committee Member, Ms. Teresa Allison, University of Manitoba, Rehabilitation Sciences. Primary Supervisor: Jacquie Ripat. Project: *Digital Storytelling as Participatory Research with Communities*, November 2019-Present

## HANLON-DEARMAN, ANA

### Supervisor:

- Rebecca Gole, Pediatric Resident, *Assessing Certainty of the Tele-ASD in Virtual Diagnosis of Autism Spectrum Disorder*, 2020-Present
- Jaskiran Sandha, Pediatric Resident, *Trainee Satisfaction with Pediatric Postgraduate Child Development Curriculum*, 2020-Present

## HICKS, GEOFFREY

### Supervisor:

- Leo McKay, PhD Student, *Role of PAE Induced / Retinoid Acid FASD At Gastrulation, Oxytocin Deficiency and Post-Natal Depression Later in Life*, 2020-Present
- Dino Pitrelli, PhD Student, *Early Molecular Ethology of FASD and Link with FASD-Dependent Sentinel Dental and Facial Aberrations in Children*, 2019-Present

## KARIMI, SOHEILA

### Supervisor:

- Hari Joshi, University of Manitoba, 2021-Present
- Maria Astrid Jimenez, University of Manitoba, 2021-Present
- Amir Ziaee, University of Manitoba, 2021-Present
- Dr. Shiva Nemat, post-doctorate fellow, University of Manitoba, 2020-Present
- Mojtaba Hosseini, PhD Student, University of Manitoba, 2019-Present



- Ruidi Wang, BSc Med, University of Manitoba, 2021-2022

### **KELLY, LAUREN**

#### Supervisor:

- Dr. Kayla Edison, Pediatrics Resident, *Challenges and Solutions for Improving Care for Families Affected by Neonatal Opioid Withdrawal*, 2020-2024
- Omaymah Abulannaz, Doctoral Student, *The Long-term Effects of Opioid Exposure in Utero*, 2019-2023
- Ben Carriere, Medical Student, *A Scoping Review of Global Cannabinoid Product Approvals and Ongoing Clinical Trials*, 2020-2022
- Dr. Michael Afolabi, Post-doctoral Fellow, *Considerations for Adaptive Design in Pediatric Clinical Trials*, 2020- 2021
- Manik Chhabra, Master's Student, *A Dose- Finding Study for Cannabinoids Used in Adolescents with Chronic Daily Headache*, 2020-2022
- Youstina Soliman, Medical Student, *Medications and Milk*, 2019-2021
- Arun Paul, Master's Student, *Cannabis for Pain Management in Children: A Review of The Literature and Engagement with Families*, 2019-2021
- Uma Yakandawala, Master's Student, *The Analysis of Medications in Milk and Maternal Preferences for Studying Medications Used During Lactation*, 2019-2021

### **MARZBAN, HASSAN**

#### Supervisor:

- Bara Aljada, BScMed Student, 2020-2022
- Azadeh Dalvand, MSc Student, 2019-Present
- Izuchukwu Azuka Okafor, MSc Student, 2020-Present
- Shahin Shabanipour, MSc Student, 2018-Present
- Xiaodan Jiao, PhD Student, 2021-Present

### **PARSONS, JOANNE**

#### Supervisor:

- Chelsea Scheller, MSc (Rehabilitation Sciences), 2020-Present

#### Committee Member:

- Brad Bergen, MSc Student, Faculty of Kinesiology and Recreation Management, 2020-Present
- Sarah Bohunicky, MSc Student, Faculty of Kinesiology and Recreation Management, 2019-Present
- Byron Bahniuk, MSc Student, Faculty of Kinesiology and Recreation Management, 2016-Present

### **RAFAY, MUBEEN**

#### Supervisor:

- Dr. Mary Tong, Pediatric Resident PGY III, *Factors Associated with Anxiety Among Children with Epilepsy in Canada*, July 2019-Present

**REMPEL, GINA**Supervisor:

- Dr. Shayna McNeil, Developmental Pediatrics Fellow, 2020-2021

Committee Member:

- Dr. Kyle Millar, MSc Student, 2018-Present
- Anuprita Kanitkar, PhD Student, 2016-Present

**RICCI, FLORENCIA**Supervisor:

- Ryan Phung, Pediatric Resident, Exploring the Association Between Autism Spectrum Disorder and Immigration Among a Cohort of Preschoolers in Manitoba, 2020-Present
- Sarah Spenard, Pediatric Resident, *Prevalence of Osteoporosis in Children with Cerebral Palsy*, 2020-Present
- Zeina Alwahab, NICU subspecialty fellow, *Frequency of HIE in Manitoba*, 2017-Present

**RIPAT, JACQUIE**Supervisor:

(Critical Inquiry Advisor)

- Brenlee Periollo, 2020-2021, OT7752
- Jenna Langlais, 2020-2021, OT7752
- Monica Warzel, 2020-2021, OT7752
- Briauna Noble, 2020-2021, OT7752
- Charmaine Agsalud, 2020-2021, OT7752
- Chelsea McBey, 2020-2021, OT7752

**RITCHIE, LESLIE**Supervisor:

- Courtney Berezuk, Clinical Health Psychology Resident, 2020-2021

**RUSSELL, KELLY**Supervisor:

- Tegan Turner, Undergraduate Medical Student, 2020-2022,
- Melissa Sekundiak, Undergraduate Medical Student, 2019-2021
- Kristin Majarajh, Bachelor of Health Sciences, 2021

Committee Member:

- Kealy Murray, Master of Nursing Student, Faculty of Health Sciences, University of Manitoba, *Exploring Parental Care Needs When a Child has Persistent Post-Concussion Symptoms*, 2019-Present

**WERBOWETSKI-OGILVIE, TAMRA**Committee Member:

- Vignesh Krishnamoorthy, PhD Student, Department of Pharmacology and Therapeutics, University of Manitoba, *Generation and Characterization of a Novel Conditional and Inducible Cas9 Mouse Model-A Novel Resource to Study Aspects of In Vivo Cellular Reprogramming and Cancer Progression*, 2021-Present
- Shivam Chadha, MSc Student, Department of Biochemistry and Medical Genetics, University of Manitoba, *Epigenome Wide Association of Extracellular Vesicle Characteristics with Frailty and Accelerated Aging in Older Women*, 2020-Present
- Anna Le, MSc Student, Department of Biochemistry and Medical Genetics, University of Manitoba, *Delineating Post-Transcriptional Mechanisms of LEF-1 Regulation in ES Cells*, 2020-Present
- Doris Onuzulu, MSc Student, Department of Biochemistry and Medical Genetics, University of Manitoba, *Analysis of Prenatal Cigarette Smoke-Induced DNA Methylation Changes at Candidate Genes in Mice*, 2020-Present
- Emma Martell, PhD Student, Department of Human Anatomy and Cell Science, University of Manitoba, *Exploring the Role of Mechanistic Metabolic Rewiring in Tumor Heterogeneity*, 2020-Present
- Kailee Rutherford, MSc Student, Department of Biochemistry and Medical Genetics, University of Manitoba, 2020-Present

**WITTMEIER, KRISTY**Supervisor:

- University of Manitoba MPT Student research project, Course 7500; research placement Students: Kaitlyn Tymko, Arnette Pablo, Kristen Burnham, Tamara Janssen, *Therapist's Experiences of Virtual Care During the COVID-19 Pandemic*

Committee Member:

- Cheryl Moser, MSc Student, Faculty of Kinesiology and Recreation Management, 2019-Present
- Tory Crawford, MSc Rehabilitation Student, 2019-Present

**WOODGATE, ROBERTA**Supervisor:

- Nicole Blinn, PhD Student, 2021-Present
- Olabisi Ayeni, University of Manitoba, 2020-Present
- Anna Chudyk, Post-doctoral, Patient Engagement, *Patient-Oriented Research Awards-Transition to Leadership Stream – Phase 1*, 2019-Present
- Daniel Gagné, PhD Student, 2019-Present
- Lisa Mary-Quigley, PhD Student, 2019-Present
- Vanessa Buduhan (Wasio), PhD Student, 2019-Present
- Sara Johnson, PhD Student, 2014-Present
- Brenda Peters-Watral, PhD Student, 2014-2021

Committee Member:

- Brenda Tittlemeier, PhD Student, *Integrated Knowledge Translation Research Partnerships in Rehabilitation: Exploring the Experiences of Knowledge-Users and Researchers*, 2019-Present
- Lauren N. Marantz, PhD Student, *Impacts of the Recommendations to Promote Health of Long-term Immunosuppressed on Pediatric Patients and their Families*, 2018-Present
- Chinyere Njeze, PhD Student, 2018-Present

For comments and questions about this Annual General Report, contact us at [enrich@chrim.ca](mailto:enrich@chrim.ca). Please, follow us on twitter [@ENRRICH\\_Theme](https://twitter.com/ENRRICH_Theme) for additional announcements or visit our website at [www.enrichresearch.ca](http://www.enrichresearch.ca).

