

# Post-Doctoral Fellowship in Pediatric Clinical Neuropsychology

2025-2027



**Department of Psychology**  
The Hospital for Sick Children, Toronto, ON, Canada

Pediatric Neuropsychology Fellowship Coordinator: Eva Mamak, Ph.D., ABPP-CN  
Director of Training: Hannah Gennis, Ph.D., C.Psych

**SickKids<sup>®</sup>**

## Overview

**Two (2)** post-doctoral fellowship positions in pediatric clinical neuropsychology are offered through the Department of Psychology at the Hospital for Sick Children in Toronto, Ontario. The two-year, full-time training positions begin on **September 2, 2025**, with the second year conditional on successful completion of first-year requirements. Employment is contingent upon meeting the Hospital for Sick Children's Occupational Health Requirements.

Virtual interviews will be scheduled between **January 7-17, 2024**, for 60-90 minutes. Interviews outside this time period will be considered based on the availability of both the candidate and interview committee.

Our program has been a member of the **Association of Post-Doctoral Programs in Clinical Neuropsychology (APPCN)** since 2008 and training conforms to the **Houston Conference Guidelines for Specialty Education and Training in Clinical Neuropsychology**. The fellowship adheres to a scientist-practitioner model and training prepares fellows for independent practice in pediatric neuropsychology, registration with the **College of Psychologists of Ontario (CPO)**, and board certification through the **American Board of Clinical Neuropsychology (ABCN)**.

The philosophy of the fellowship mirrors that of The Hospital for Sick Children in that the needs of the patient and family are primary. An evidence-based practice approach is used and clinical research is closely integrated with patient care activities. Conceptualizing the child's neuropsychological needs and challenges within a developmental framework is integral to practice.

The Department of Psychology at SickKids exists as an independent department within a Child Health Services cluster model of service provision. It includes over 30 psychologists, 11 psychometrists, and numerous research staff and trainees providing clinical services and conducting research within the hospital. There are 13 staff pediatric neuropsychologists who regularly provide clinical supervision in our training program. Four are board certified (ABPP-CN). In addition to specialty training in Pediatric Neuropsychology (2 positions), the Department offers clinical training at the post-doctoral level in Pediatric Health Psychology (at least 1 position), residency level (3 positions, accredited by the Canadian Psychological Association), and graduate practicum level.

## Goals of the Fellowship

Fellows are exposed to a wide array of patient populations (aged 0-18 years) in both inpatient and outpatient settings. A primary goal of the first year is to develop a working model of neuropsychological assessment, consultation, and intervention that allows for accurate, thorough, yet efficient service delivery in the fast paced and complex setting of an academic health sciences centre. Goals of the second year are to obtain registration as a psychologist (CPO) or eligibility for registration outside of Ontario, and to further develop clinical and research skills by working with a broader range of supervisors, patient groups, and multi-disciplinary teams. By the end of the second year, fellows should be eligible to apply for board certification

(ABCN). Graduates of our program have entered into positions in academic medical centers, private practice and multi-disciplinary community clinics.

### **Training Activities**

Post-doctoral fellows are involved in direct clinical service for at least 75% of their time and participate in focused research and educational activities for the remaining 25% of their time. The focus of training is on advanced practice in pediatric clinical neuropsychology, including comprehensive neuropsychological consultation, intervention, functional neuroanatomy, ethical practice, individual/cultural diversity, writing integrated reports, multi-disciplinary and school consultation, and clinical research. The fellow receives high-level training in conducting neuropsychological evaluations, providing feedback (including recommendations and education) to family, staff and school personnel, providing supportive psychological services and/or neuropsychologically informed intervention, participating in multi-disciplinary teams, and assisting with treatment and discharge planning. Fellows receive supervision from various staff neuropsychologists in their work with a diverse range of patients across multiple programs and in conducting applied research.

### **Rotations**

The first year of training consists of three, four-month rotations chosen to meet the fellow's training needs, balancing exposure to patients of varying ages, levels of functioning, and focal vs. diffuse deficits. There are opportunities to conduct assessments with special patient populations (e.g., severe sensory, motor or behavioral needs requiring non-standardized assessments) and combined neuropsychological and autism spectrum disorder (ASD) diagnostic assessments.

The second year of training allows for more depth of training in a particular population and neuropsychological consultations to programs within the hospital that are not served by a staff neuropsychologist, allowing for both depth and breadth of training. Second-year fellows work with greater autonomy, often providing supervision to others. Evaluations are typically conducted through the outpatient Psychology Clinic, but inpatient consultations may be provided.

While rotations are often specific to a particular primary supervisor, there are opportunities for joint supervision within specific clinics with more than one clinical supervisor (e.g., Neurosurgery, Epilepsy Surgery, Neonatal Neurology, Cardiology, etc.). Neuropsychological services include assessment, direct intervention, and consultation.

### **Primary rotations are available within the following programs:**

- Neurology
  - Stroke

- Epilepsy Surgery Program
- Epilepsy Classroom
- Neonatal Neurology
- Neurology General Consultation
- Neuropsychological intervention: The NeuroOutcomes Lab  
([//lab.research.sickkids.ca/neurooutcomes/](http://lab.research.sickkids.ca/neurooutcomes/) )



- Genetics/Metabolics
- Neurosurgery
- Cardiology
- Solid Organ Transplant
- Rheumatology
- Hematology/Oncology
  - Brain Tumor
  - Leukemia/Lymphoma
  - Sickle Cell Disease
  - Long-Term Follow-Up for Cancer

A sample of a post-doctoral program of rotations follows:

	YEAR 1 (Y1)			YEAR 2 (Y2)
Dates	Sept Y1-Dec Y1	Jan Y1-Apr Y1	May Y1-August Y1	Sept Y2-August Y2
Assessment Neuropsych Rotation	General Neurology	Neurosurgery	Epilepsy Surgery	Haematology Oncology
Research	Stroke	Stroke	Stroke	Stroke
Primary College of Psychologists of Ontario (CPO) Supervisor: <b>Fellowship Coordinator</b>				
Intervention/ Secondary CPO supervisor	Health Psychology	Health Psychology	Health Psychology	i-INTERACT-North Program

### Other Training Opportunities

Additional training opportunities may include:

- Adult Neuropsychology rotation (appropriate previous experience is required)
- Provision of lectures and presentations within the hospital or for community groups
- Providing supervision to more junior trainees (residents and/or practicum students) to develop competency as a supervisor.
- Mentored journal-article peer reviews.
- Clinical psychology or Health Psychology competency for the College of Psychologists of Ontario is also a possibility in the training program (appropriate previous experience is required)

### **Supervision**

Fellows are assigned a primary supervisor and receive at least two hours of individual face-to-face supervision per week. Regularly scheduled, one-to-one supervision involves case review, setting and monitoring of training goals, and professional development. Supervision follows a developmental model and fellows work with a variety of faculty members throughout the fellowship for broad exposure to different styles of clinical practice and supervision.

Group professional support/supervision meetings with the Coordinator of Post-Doctoral Training occur once or twice per month to address advanced topics in neuropsychology, including professional/ethical standards, professional practice issues, and preparing for ABCN board certification. In addition to formal supervision, fellows receive ongoing mentorship and coaching in developing a career path and establishing a professional identity.

### **Didactics**

A variety of formal and informal educational opportunities exist. Rotation-specific readings will be suggested by individual supervisors. More formal didactics are provided to ensure a broad knowledge-base in clinical neuropsychology, and include:

#### **Required:**

- Paediatric Neuropsychology / Assessment Didactics (weekly)
- Psychology Department Rounds (monthly)

#### **Optional**

- Clinical Health Evaluative Science (CHES) Rounds (weekly)
- Neuroscience and Mental Health Program (SickKids Research Institute) Symposia (monthly)
- Paediatric and Neurology Grand Rounds (weekly)
- Clinical and research rounds associated with individual rotations (e.g., Neurology, Neurosurgery, Hematology/Oncology, Psychiatry)
- Adult Neuropsychology journal club and case presentations

### **Equity, Diversity & Inclusion at SickKids**

SickKids believes that an equitable and inclusive culture empowers staff and trainees to freely explore and express their ideas without fear, which has consistently led to new ideas and

innovations. The goal is to transform health-care systems to authentically reflect the communities we serve by engaging in community partnerships to improve the health experience of racialized communities and other communities who have traditionally faced oppression. Post-doctoral fellows are encouraged to become involved in EDI Committees, initiatives, and learning opportunities in directions that further their own personal development.

### **Equity, Diversity and Inclusion Strategy**

The SickKids Equity, Diversity and Inclusion (EDI) Strategy aims to advance equitable inclusion of diverse people and communities across SickKids' care, research and education initiatives so that all can feel acknowledged, valued and respected. Aligned with our SickKids 2025 Strategic Plan, the EDI Strategy provides a path to boldly embed EDI in all that SickKids does and create safe and brave spaces for meaningful change ([2025.sickkids.ca/edi/](https://2025.sickkids.ca/edi/)). Developed through engagement and consultation with patients, families, staff and community partners, this plan set the stage for a more equitable and culturally safe future as SickKids.

### **Safe Consultation**

Integrating with the hospital culture of Sick Kids can be both a daunting and rewarding experience. The Department of Psychology is committed to ensuring trainees feel welcomed, included, supported and heard.

In addition to having access to the Fellowship Coordinator, Director of Training and staff, fellows will have access to Inclusion Networks at SickKids. This initiative comes from the EDI Office and the organization's EDI Steering Committee and is a part of our ongoing efforts to create positive environments. Safer Spaces allow individuals who are members of specific communities, and allies, to network, establish a sense of community and create affirming spaces at SickKids.

- 2SLGBTQIA+
- Accessibility, Access and Inclusion
- Anti-Black Racism
- Women in Science
- Anti-Xenophobia
- Indigenous Reconciliation Working Group (coming soon!)

### **Employee Wellness**

Sick Kids is committed to supporting its staff in their movement toward wellness in a variety of ways, including:

- [Employee Assistance Program](#): The Employee Assistance Program (EAP) is a confidential and voluntary support service that can help you develop strategies to help you with personal or work-related concerns, tensions and stress before they lead to more serious difficulties. EAP is available at no cost to employees and their families.
- [Employee Relations](#): The Employee Relations group provides support to all staff who work at SickKids when dealing with difficulties in the workplace such as interpersonal conflict or issues related to discrimination, breaches of the Code of Conduct, the Respect in the Workplace policy and the Prevention of Workplace Violence and Harassment policy.
- [Peer Support Program](#): A confidential resource, offering individual mental health outreach and trauma support 24/7 to staff in need. Peers can connect with their colleagues in a variety of ways (e.g., meeting one-to-one or providing support via telephone, email or text).
- [Spiritual & Religious Care Department](#): The SickKids Spiritual Care Department Consists of Four Pillars: Chaplaincy, Clinical Pastoral Education, Counselling, and The Mindfulness Project. Visit the site to find information about the four pillars, religious observances and related events.
- [Physical Wellness](#): The hospital provides workplace benefits including massage therapy, as well as on-site massage as available. There are hospital-wide, free running and walking clubs with an on-site, free employee wellness centre and stretching. There is also on-site bike storage and staff showers.

## Research



The Hospital for Sick Children is an active and exciting research environment. Fellows work with at least one research mentor as a member of a specialized research team, working on grant-funded or clinical research projects. Demonstration of scholarly activity is a required exit criteria for the fellowship. This may be accomplished through presentation at a national or international conference, and either one manuscript submitted for publication in a peer-reviewed journal or a grant proposal submission.

Ongoing research at SickKids involves characterizing the impact of various adverse insults on development, understanding the core neurocognitive deficits associated with neurodevelopmental disorders or acquired brain injury, and identifying the relations between neuroimaging measures of brain structure/function and neurocognitive outcome. Opportunities to collaborate in research presentations or peer reviews of research (e.g., mentored journal article peer reviews) are also available.

### **Evaluation**

Formal written progress evaluations are prepared by the Neuropsychology staff at the conclusion of each rotation. Fellows also evaluate supervisors and rotations. Fellows whose performance is not at an expected level of competence will be advised regarding the problem areas in their performance, and a specific plan to remediate those weaknesses will be developed.

### **Salary and Benefits**

Salary is \$69,000 CAD in the first year and \$71,000 CAD in the second year, with an additional annual educational stipend of \$5,000 CAD. Fellows are eligible for the modified SickKids benefits package (health and dental), as well as 3 weeks of paid vacation, nine statutory holidays recognized by the hospital, and one week paid professional development leave per year. There is also a \$500/year professional development fund which may be used by Fellows. Fellows have access to individual office space similar to that provided to staff neuropsychologists, a computer with internet connection, a private phone line (MS Teams Voice or equivalent) and access to electronic medical journals through the University of Toronto Library and SickKids internal library.

### **Eligibility**

Applicants should be graduates of CPA/APA accredited clinical or school psychology programs and have completed a CPA/APA accredited internship in clinical psychology. It is expected that applicants will have internship-level training in paediatric psychology and neuropsychology. Applicants with prior coursework in Functional Neuroanatomy, Clinical Neurology, Basic Neuroscience, and/or Neuropathology are preferred. Applicants with



fluency in other languages or experience with under-served populations are especially encouraged to apply. **All degree requirements must be completed before the start date.**

Our program is an APPCN Match Participant; applicants must therefore register with National Matching Services, Inc. ([www.natmatch.com](http://www.natmatch.com)) to participate in the APPCN Resident Matching Program. This residency site agrees to abide by the APPCN policy that no person at this facility will solicit, accept or use any ranking-related information from any fellowship applicant.

### **Application**

The deadline for applications is **January 3, 2025**. Applicants should submit their materials (e.g., letter of interest, application form, CV) electronically as a single .pdf file. Transcripts and letters of reference can be sent separately. All material should be emailed to: [eva.mamak@sickkids.ca](mailto:eva.mamak@sickkids.ca)

- Letter of interest including clinical and research goals.
- Application Form – The Hospital for Sick Children Clinical Neuropsychology Fellowship (see link on website)
- Curriculum vitae.
- Official graduate transcripts listing courses, grades and degrees.
- Three (3) letters of reference (two clinical supervisors and one academic/research mentor).
- A letter or e-mail from the internship Training Director confirming that a CPA/APA-accredited internship will be completed by September 1, 2025.
- If dissertation has not been defended at the time of application, a letter or e-mail from the CPA/APA-accredited graduate program Training Director confirming that the doctoral degree will be awarded before September 1, 2025.

#### **Contact:**

Eva Mamak Ph.D., C. Psych., ABPP-CN  
Hospital for Sick Children  
555 University Avenue, Toronto, ON M5G 1X8  
Tel: 416-813-7654 X228804 / Fax: 416-813-8839  
[eva.mamak@sickkids.ca](mailto:eva.mamak@sickkids.ca)

#### **Information about SickKids and Toronto**

The Hospital for Sick Children (SickKids), affiliated with the University of Toronto, is recognized as one of the world's foremost pediatric health-care institutions. It is Canada's leading centre dedicated to advancing children's health through the integration of patient care, research and education. To learn about the SickKids Strategic Plan 2020-2025 "Unprecedented outcomes powered by Precision Child Health" please see: <https://2025.sickkids.ca/>

With a staff that includes professionals from all disciplines of health care and research, SickKids provides the best in complex and specialized care by creating scientific and

clinical advancements, sharing knowledge and expertise and championing the development of an accessible, comprehensive and sustainable child health system. The Peter Gilgan Centre for Research and Learning is a hub where researchers and learners can congregate and share ideas to transform the current state of child health care since its 2013 opening. We are undergoing transformative change as a hospital through Project Horizon, which will add much needed capacity to the hospital system. More information is available at: <https://www.sickkids.ca/en/about/project-horizon/>

SickKids is located in downtown Toronto, Canada's largest city. Toronto lies on the shore of Lake Ontario, the easternmost of the Great Lakes. Over 4 million people live in the Greater Toronto Area (GTA). Toronto is a clean, safe, cosmopolitan city with a wonderful network of parks, recreational, and cultural facilities. For more information: [www.seetorontonow.com](http://www.seetorontonow.com)



**Core Training Faculty: Programs and Recent Publications**  
**\*names of current or prior fellows in italics**



**Ashley Danguedan, PhD., C.Psych.** (University of Windsor),  
Staff Neuropsychologist

**Program: Neonatal Neurodevelopmental Follow-Up Clinic**

Neuropsychological and parent mental health consultation for children seen within a multidisciplinary NICU neurodevelopmental follow-up clinic at 18 and 36 months of age. Special interest in clinical programming and research that identifies and targets health disparities. Dr. Danguedan is involved in research on

developmental outcomes in children with a range of neonatal brain injuries. The fellow would have the opportunity to develop skills in standardized assessment with toddlers, as well as collaborate in providing care with occupational therapists, physiotherapists, speech and language therapists, social work, and medical staff.

Miran, A.A., Stoopler, M., Cizmeci, M.N., El Shahed, A., Yankanah, R., Danguécan, A., et al. (2024). Blood product transfusion practices in neonates with hypoxic-ischemic encephalopathy. *Journal of Perinatology*, 44:1485-1490.

Danguécan, A., El Shahed, A.I., Somerset, E., Fan, C.S., Ly, L.G., & Williams, T. (2021). Towards a biopsychosocial understanding of neurodevelopmental outcomes in children with hypoxic-ischemic encephalopathy: A mixed-methods study. *The Clinical Neuropsychologist*, 35(5):925-47.

Taylor, M., Bondi, B. C., Andrade, B. F., Au-Young, S. H., Chau, V., Danguécan, A., Désiré, N., Guo, T., Ostojic-Aitkens, D., Wade, S., Miller, S., & Williams, T. S. (2024). Stepped-Care Web-Based Parent Support Following Congenital Heart Disease: Protocol for a Randomized Controlled Trial. *JMIR research protocols*, 13, e64216.

Gold, A., Danguécan, A., Belza, C., So, S., de Silva, N., Avitzur, Y., & Wales, P. W. (2020). Neurocognitive Functioning in Early School-age Children with Intestinal Failure. *Journal of pediatric gastroenterology and nutrition*, 70(2), 225–231.

Roberts, S. D., McDonald, K. P., Danguécan, A., Crosbie, J., Westmacott, R., Andrade, B., Dlamini, N., & Williams, T. S. (2019). Longitudinal Academic Outcomes of Children with Secondary Attention Deficit/Hyperactivity Disorder following Pediatric Stroke. *Developmental neuropsychology*, 44(4), 368–384.

Danguécan, A. N., & Smith, M. L. (2019). Verbal associative memory outcomes in pediatric surgical temporal lobe epilepsy: Exploring the impact of mesial structures. *Epilepsy & Behavior*:101(Pt A), 106529.



**Naddley Désiré, Ph.D., C.Psych.** (Université de Montréal).  
Staff Neuropsychologist

**Programs: Neurology & Neurosurgery**

Neuropsychological assessment and consultation of children and adolescents with history of early acquired brain injury, preterm birth complications, vascular malformations, TBI, hemorrhagic stroke, benign brain tumours, arachnoid cysts, and hydrocephalus. Pre- and post-surgical evaluations. Special interest in providing culturally and linguistically sensitive patient care, including offering French assessment and consultation services. Research interests also include examining neurocognitive and psychosocial outcomes following pediatric acquired brain injuries and neurological disorders.

Beauchamp, M., Beaudoin, C. Dupont, D., & Désiré, N. (2024). Report of Early Childhood Traumatic Injury Observations & Symptoms questionnaire (REACTIONS).

Désiré, N., & Plourde, V. (2022). Children and Adolescent Memory Profile (ChAMP – original version by Sherman & Brooks) - The French-Canadian Edition. Psychological Assessment Resources. PAR inc. (Available for Digital Printing).

Williams, T. S., Deotto, A., Roberts, S. D., Ford, M. K., Désiré, N., & Cunningham, S. (2022). COVID-19 mental health impact among children with early brain injury and associated conditions. *Child Neuropsychology: a journal on normal and abnormal development in childhood and adolescence*, 28(5), 627–648. <https://doi.org/10.1080/09297049.2021.1998407>

Stokoe, M., Zwicker, H. M., Forbes, C., Abu-Saris, N., Fay-McClymont, T. B., Désiré, N., Guilcher, G., Singh, G., Leaker, M., Yeates, K. O., Russell, K. B., Cho, S., Carrels, T., Rahamatullah, I., Henry, B.,

Dunnewold, N., & Schulte, F. (2022). Health related quality of life in children with sickle cell disease: A systematic review and meta-analysis. *Blood reviews*, 100982. Advance online publication. <https://doi.org/10.1016/j.blre.2022.100982>

Laurendeau-Martin, J., Beaudoin, C., **Désiré, N.**, Ibrahim, A., & Beauchamp, M.H. (2019). REACTIONS: Preliminary validation results for the REACTIONS questionnaire: a post-concussive symptoms checklist for early childhood. *Journal of the International Neuropsychological Society*, 25(s1), i-422. Doi: 10.1017/S1355617719000663

MacAllister, W. S., **Désiré, N.**, Vasserman, M., Dalrymple, J., Salinas, L., & Brooks, B. L. (2020). The use of the MSVT in children and adolescents with epilepsy. *Applied Neuropsychology: Child*, 1-6. DOI: 10.1080/21622965.2020.1750127

Dupont, D., Beaudoin, C., **Désiré, N.**, Tran, M., Gagnon, I., & Beauchamp, M. H. (2022). Report of Early Childhood Traumatic Injury Observations & Symptoms: Preliminary Validation of an Observational Measure of Postconcussive Symptoms. *The Journal of Head Trauma Rehabilitation*, 37(2), E102–E112. <https://doi.org/10.1097/HTR.0000000000000691>

Roebuck-Spencer, T., **Désiré, N.** & Beauchamp, M. (2018). Traumatic Brain Injury. In J. Donders & S.J. Hunter (Eds.). *Neuropsychological Conditions Across the Lifespan* (pp. 139-161). Cambridge: Cambridge University Press, Cambridge.

Beauchamp, M., Aglipay, M., Yeates, K.O., **Désiré, N.**, Keightley, M., Anderson, P., Brooks, B.L., Barrowman, N., Gravel, J., Boutis, K., Gagnon, I., Dubrovsky, S., and Zemek, R., for the 5P PERC Concussion-Neuropsychology Team (2018). Predictors of neuropsychological outcome after paediatric concussion. *Neuropsychology*, 32(4), 495-508. PMID: 29809036



**Anna Gold, Ph.D., C. Psych.** (University of East Anglia, UK).  
Staff Neuropsychologist

**Program:** Transplant and Regenerative Medicine Centre

Neuropsychological assessment and consultation of paediatric patients who are awaiting or have undergone solid organ transplant (heart, lung, liver, kidney and small bowel). Research interests include neuropsychological outcomes following transplant, longer term neurodevelopmental sequelae of complex surgically treated gastro-intestinal failure and paediatric transition.

Gold, A., Young, J.M., Solomon, M. and Grasmann, H. *Neuropsychological Outcomes Following Pediatric Lung Transplantation*. *Pediatric Pulmonology*, June 2020. <https://doi.org/10.1002/ppul.24915>

Gold, A., Bondi, B., Askanase, J. and Dipchand, A. *Early School Age Cognitive Performance Post Pediatric Heart Transplantation*. *Journal of Pediatric Transplantation*, October 2020. DOI:10.1111/petr.13832

Zuo, K., Gold, A., Zlotnik Shaul, R., Ho, Emily, Borschel, G., and Zuker, R. *Pediatric Upper Extremity Vascularised Composite Allotransplantation – Progress and Future*. *Current Transplantation Reports*. Sept 2020

Anthony, S.J., Young, K., Ghent, E., Gold, A., Martin, K., Solomon, M., Teoh, C.W. and Stinson, J. *Exploring the potential for online peer support mentorship: Perspectives of pediatric solid organ transplant patients*. *Pediatric Transplantation*, November 2020. Article DOI: 10.1111/petr.13900

Zuo, K., **Gold, A.**, Zlotnik Shaul, R., Ho, Emily, Borschel, G., and Zuker, R. *Pediatric Upper Extremity Vascularised Composite Allotransplantation – Progress and Future*. **Current Transplantation Reports**. Sept 2020

Young, M., Kawamura, J., Patten, J., Leever-Goldstein, A., Loren, D., **Gold, A.**, Munns, C and Barrera, M. *The impact of the COVID-19 Pandemic on clinical care: consideration for providing virtual based care to youth with high levels of needle fear.* **Clinical Practice in Pediatric Psychology**, Sept 2021

Bianca C. Bondi, **Anna Gold**, Christina Belza, Justyna Wolinska, Glenda Courtney-Martin, Stephanie So, Yaron Avitzur, Paul W. Wales. *Predictors of Social-Emotional Development and Adaptive Functioning in School-Age Children with Intestinal Failure.* **Journal of Clinical Psychology in Medical Settings**. Nov 2022 (<https://doi.org/10.1007/s10880-022-09919-z>)

Christianne Laliberté Durish, Jia Lin, Sarah J. Pol, Alameen Damer· Samantha J. Anthony, Jo Wray, & **Anna Gold**. *Systematic Review of Long-Term Quality of Life in Adults Who Were Pediatric Solid Organ Transplant Recipients.* **Journal of Pediatric Transplantation**. Dec 2022 (<https://doi.org/10.1111/petr.14448>)

**Anna Gold**, Jo Wray, Beverly Kosmach-Park, Louise Bannister, Jenny Wichart, Ashley Graham, Caroline Piotrowski, Gillian Mayersohn, Diana A. Shellmer and Catherine Patterson. *Allied Health and Nursing Practises in Pediatric Solid Organ Transplantation: An international survey.* **Journal of Pediatric Transplantation**. Feb 2023

Caroline Piotrowski, Ashley Graham, **Anna Gold**, Jo Wray, Louise Bannister, Jenny Wichart, Beverly Kosmach-Parks, Dianna Shellmar, Gillian Mayersohn & Catherine Patterson. *An International Survey of Allied Health & Nursing Professionals during the COVID-19 Pandemic: Perspectives on Facilitators of & Barriers to Care.* **Journal of Pediatric Transplantation**. Feb 2023



**Sharon Guger, Ph.D., C. Psych.** (York University).  
Staff Neuropsychologist

### **Program:** Hematology/Oncology – AfterCare

Neuropsychological assessment and consultation of late effects of childhood cancer, promotion of transition.

Zapotocky M, Beera K, Adamski J, Laperriere N, Guger S, Janzen L, et al. Survival and functional outcomes of molecularly defined childhood posterior fossa ependymoma: Cure at a cost. *Cancer*. 2019 Jun 1;125(11):1867-76. PubMed PMID: 30768777. Pubmed Central PMCID: 6508980.

Janzen LA, Guger S: Clinical neuropsychology practice and training in Canada. *Clin Neuropsychol*:1-14, 2016

Lafay-Cousin L, Fay-McClymont T, Johnston D, Fryer C, Scheinemann K, Fleming A, Hukin J, Janzen L, Guger S, Strother D, Mabbott D, Huang A, Bouffet E. Neurocognitive evaluation of long term survivors of atypical teratoid rhabdoid tumors (ATRT): The Canadian registry experience. *Paediatric Blood & Cancer*. 2015 Jul;62(7):1265-9.

French AE, Tsangaris E, Barrera M, Guger S, Brown R, Urbach S, Stephens D, Nathan PC. School attendance in childhood cancer survivors and their siblings. *The Journal of Pediatrics*. 2013 Jan;162(1):160-5.

Mabbott DJ, Monsalves E, Spiegler BJ, Bartels U, Janzen L, Guger S, Laperriere N, Andrews N, Bouffet E. Longitudinal evaluation of neurocognitive function after treatment for central nervous system germ cell tumors in childhood. *Cancer*. 2011 Dec 1;117(23):5402-11.



**Laura Janzen, Ph.D., C. Psych., ABPP-CN** (University of Victoria).  
Staff Neuropsychologist, Department of Pediatrics, University of Toronto.

**Program:** Hematology/Oncology

Neuropsychological assessment of children with hematology/ oncology diagnoses, including brain tumors, leukemia, and sickle cell disease; neuropsychology training and professional issues; research on the neuropsychological implications of congenital and acquired neurological conditions as well as the effects of various interventions on cognitive outcomes.

*Peterson RK, Longo C, Cunningham T, Janzen L, Guger S, Monteiro L, Rapson R, Bartels U, Bouffet E, Solomon T, Mabbott DJ.* Impact of home-based cognitive or academic intervention on working memory and mathematics outcomes in pediatric brain tumor survivors: the Keys to Succeed pilot randomized controlled clinical trial, *Child Neuropsychol*: 2022. 1-25.

*Peterson RK, Williams S, Janzen L.* Cognitive Correlates of Math Performance in School-Aged Children with Sickle Cell Disease and Silent Cerebral Infarcts. *Archives of clinical neuropsychology : the official journal of the National Academy of Neuropsychologists*. 2021;36(4):465-74.

*Peterson RK, McKeown T, Tabori U, Bartels U, Bouffet E, Janzen L.* Neuropsychological impact of trametinib in pediatric low-grade glioma: A case series. *Pediatric blood & cancer*. 2020;67(12):e28690.

Schulte F, Kunin-Batson AS, Olson-Bullis BA, Banerjee P, Hocking MC, Janzen L, et al. Social attainment in survivors of pediatric central nervous system tumors: a systematic review and meta-analysis from the Children's Oncology Group. *Journal of cancer survivorship : research and practice*. 2019 Oct 17. PubMed PMID: 31625086.

Janzen LA, *David D, Walker D, Hitzler J, Zupanec S, Jones H, et al.* Pre-Morbid Developmental Vulnerabilities in Children With Newly Diagnosed Acute Lymphoblastic Leukemia (ALL). *Pediatric blood & cancer*. 2015 Dec;62(12):2183-8. PubMed PMID: 26305495.



**Elizabeth N. Kerr, Ph.D., C. Psych.** (University of Calgary).  
Staff Neuropsychologist, Director of Epilepsy Classroom; Department of Paediatrics, University of Toronto.

**Program:** Neurology – Epilepsy Surgery, Epilepsy Classroom

Neuropsychological assessment and consultation: medically refractory epilepsy/epilepsy surgery.

Arski ON, Wong, SM, Warsi N., Pang E, Kerr, E, Smith ML, Tylor MJ, Dunkley BT, Och A, Otsubo H, Sharma R, Uau Ivanna, Jain P, Donner EJ, Sneed OC, Ibrahim GM. Epilepsy disrupts hippocampal phase precision and impairs working memory. *Epilepsia*, 2022  
[doi.org/10.1111/epi.17357](https://doi.org/10.1111/epi.17357)

Tavares TP, Kerr EN, Secco M, Bax K, Smith M. Brief video enhances teacher trainees' knowledge of epilepsy. *Epilepsy & Behavior*. 2021 18 DOI: [10.1016/j.yebeh.2021.107963](https://doi.org/10.1016/j.yebeh.2021.107963)

Price KM, Wigg KG, Misener VL, Clarke A, Yeung N, Blokland K, Wilkinson M, Kerr EN, Guger SL, Lovett MW, Barr CL. Language Difficulties in School-Aged Children with Developmental Dyslexia. *Journal of Learning Disabilities*.2021 DOI: [10.1177/00222194211006207](https://doi.org/10.1177/00222194211006207)

Tavares TP, Kerr EN, Smith ML. Memory outcomes following hemispherectomy in children. *Epilepsy & behavior* :*Epilepsy Behav*. 2020;112:107360.

Kerr EN, Fayed N: Cognitive predictors of adaptive functioning in children with symptomatic epilepsy. *Epilepsy Res* 136:67-76, 2017

Fuentes A, Kerr EN: Maintenance effects of working memory intervention (Cogmed) in children with symptomatic epilepsy. *Epilepsy Behav* 67:51-59, 2017

Kerr EN, *Blackwell MC*. Near-transfer effects following working memory intervention (Cogmed) in children with symptomatic epilepsy: An open randomized clinical trial. *Epilepsia*. 2015 Nov;56(11):1784-92.

Kerr EN, Bhan A, Heon E. Exploration of the cognitive, adaptive and behavioral functioning of patients affected with Bardet-Biedl syndrome (BBS). *Clinical Genetics*; 2015, 89 (4): 426-433.  
DOI:10.1111/cge.12614



**Eva Mamak, Ph.D., C. Psych., ABPP-CN** (University of North Carolina at Chapel Hill).  
Staff Neuropsychologist, Coordinator of Post-Doctoral Training in Neuropsychology

### **Programs:** Clinical and Metabolic Genetics, Epilepsy Surgery, Neurosurgery

Neuropsychological assessment and consultation of metabolic genetic conditions and epilepsy surgical candidates, infant/toddler and preschool assessment, and research on lysosomal storage diseases, other genetic conditions, epilepsy, and infant development.

Tavares, Tamara; Young, Julia; Chen, Vanessa; Kerr, Elizabeth; **Mamak, Eva**; Mahood, Quenby; Smith, Mary Lou (Accepted for Publication). 'Neuropsychological and Behavioural Outcomes in Epilepsy Involving the Insula: A Scoping Review'. *The Clinical Neuropsychologist*.

Gingoyon A, Borkhoff CM, Koroshegyi C, Mamak E, Birken CS, Maguire JL, Fehlings D, Macarthur C, Parkin PC. (2022) Chronic iron deficiency and cognitive function in early childhood. *Pediatrics*, doi: 10.1542/peds.2021-055926.

Kovac, V., Shapiro, E. G., Rudser, K. D., Mueller, B., Eisengart, J., Delaney, K. A., Ahmed, A., Cowan, M., Raiman, J., Mamak, E. G., Harmatz, P., Shankar, S., Ali, N., Cagle, S., Wozniak, J., Lim, K., Fischl, B., Orchard, P., Whitley, C. B., Nestrasil, I. (2022). Quantitative brain MRI morphology in patients with severe and attenuated forms of mucopolysaccharidosis type I. *Molecular Genetics and Metabolism*, 135, 122-132.

Howie, A.H., Tingley, K., Inbar-Feigenberg, M., Mitchell, J.J., Butcher, N.J., Offringa, M., Smith, M., Angel, K., Gentle, J., Wyatt, A., Campeau, P.M., Chan, A., Chakraborty, P., El Turk, F., Mamak, E.G., Mhanni, A., Skidmore, B., Sparkes, R., Stockler, S., Potter, B.K. INFORM RARE (2021). Establishing a core outcome set for mucopolysaccharidoses (MPS) in children: study protocol for a rapid literature review, candidate outcomes survey, and Delphi surveys, *Trials*, 22, 816.

Almuqbil M, Go C, Nagy LL, Pai N, Mamak E, Mercimek-Mahmutoglu S. New Paradigm for the Treatment of Glucose Transporter 1 Deficiency Syndrome: Low Glycemic Index Diet and Modified High Amylopectin Cornstarch. *Paediatric Neurology*. 2015 Sep;53(3):243-6.

Shapiro EG, Nestrasil I, Rudser K, Delaney K, Kovac V, Ahmed A, Yund B, Orchard PJ, Eisengart J, Niklason GR, Raiman J, Mamak E, Cowan MJ, Bailey-Olson M, Harmatz P, Shankar SP, Cagle S, Ali N, Steiner RD, Wozniak J, Lim KO, Whitley CB. Neurocognition across the spectrum of mucopolysaccharidosis type I: Age, severity, and treatment. *Molecular Genetics and Metabolism*. 2015 Sep-Oct;116(1-2):61-8.

**Renee Sananes, Ph.D., C.Psych.** (University of Ottawa).

Staff Psychologist

**Dragana Ostojic-Aitkens, Ph.D., C.Psych.** (University of Windsor)

Staff Neuropsychologist

### **Program: Cardiology**

Assessment and consultation of children and adolescents with history of complex congenital heart conditions or acquired heart conditions. Research interests include examining neurocognitive and psychosocial outcomes in congenital heart disease and program evaluation.

Sananes R, Goldberg CS, Newburger JW, Hu C, Trachtenberg F, Gaynor JW, Mahle WT, Miller T, Uzark K, Mussatto KA, Pizarro C, Jacobs JP, Cnota J, Atz AM, Lai WW, Burns KM, Milazzo A, Votava-Smith J, Brosig CL. (2021). Six-Year Neurodevelopmental Outcomes for Children With Single-Ventricle Physiology. *Pediatrics*, 147 (2), e2020014589.

Kasparian NA, Sadhwani A, Sananes R, Blumenfeld E, Butcher JL, Cassidy AR, Cox SM, Kenowitz J, Miller TA, Sanz JH, Wolfe KR, Ilardi D, and the Telehealth Task Force of the Cardiac Neurodevelopmental Outcome Collaborative (2023). Telehealth services for cardiac neurodevelopmental care during the COVID-19 pandemic: A site survey. *Cardiology in the Young*, 33, 280–287. doi: 10.1017/S1047951122000579

Cox S, Butcher J, Sadhwani A, Sananes R, Sanz J, Blumenfeld E, Cassidy A, Cowin J, Ilardi D, Kasparian N, Kenowitz J, Kroll K, Miller T, and Wolfe K, from the Telehealth Task Force of the Cardiac Neurodevelopmental Outcome Collaborative (2022). Integrating Telehealth into Neurodevelopmental Assessment: A Model from the Cardiac Neurodevelopmental Outcome Collaborative. *Journal of Pediatric Psychology*, 47 (6):707-713. doi: 10.1093/jpepsy/jsac003.

Brooker, B., Ostojic-Aitkens, D., & Larson, J.C.G. (In press). Infants and children with disabilities. In M. Meade, K. Bechto, and S. Wegener (Eds.), *The Oxford Handbook of Rehabilitation Psychology* (2nd ed.). Oxford Press.



Ostojic-Aitkens, D., Ford, M.K., Cunningham, T., Gold, A., Janzen, L.A., Sinopoli, K.J., Westmacott, R., & Williams, T.S. (2022). Examining parent and clinician views of a hospital-based pediatric neuropsychological service: A Canadian perspective. *Child Neuropsychology*, 28(1), 61-81. doi: 10.1080/09297049.2021.1945567



**Katia Sinopoli, Ph.D., C.Psych.** (University of Toronto).  
Staff Neuropsychologist

**Program:** Neurology.

Neuropsychological assessment and consultation of children and adolescents with diverse neurological conditions including non-surgical epilepsy, multiple sclerosis/demyelinating diseases, and inflammatory brain diseases. Research interests include exploration of predictors of neurocognitive outcome, examination of neurodevelopment following early injuries and early medical interventions, and cross-disorder comparisons of cognitive functioning.

Neuropsychological outcome of glucose transporter-1 deficiency syndrome: A case study of identical twin boys without intellectual disability (In press). Porthukaran, A., Zak, M., Moharir, M., Mamak, E., & K. J. Sinopoli. *Journal of Pediatric Neuropsychology*.

Criterion validity of the Brief Test of Adult Cognition by Telephone (BTACT) for mild traumatic brain injury (in press). Cairncross, M., Gindwani, H., Egbert, A. R., Torres, I. J., Hutchison, J. S., Dams O'Connor, K., Panenka, W. J., Brubacher, J. R., Meddings, L., Kwan, L., Yeates, K. O., Green, R., Silverberg, N. D., National Biobank and Database of Patients with Traumatic Brain Injury (CanTBI) investigators and the Canadian Traumatic Brain Injury Research Consortium (CTRC). *Brain Injury*.

Examining parent and clinician views of a hospital-based pediatric neuropsychological service: a Canadian perspective (2022). Ostojic-Aitkens D, Ford MK, Cunningham T, Gold A, Janzen LA, Sinopoli KJ, Westmacott R, Williams TS. *Child Neuropsychology*, 28(1):61-81.

McCoy B, Wang L, Zak M, Al-Mehmadi S, Kabir N, Alhadid K, McDonald K, Zhang G, Sharma R, Whitney R, Sinopoli K, Snead OC, 3rd: A prospective open-label trial of a CBD/THC cannabis oil in dravet syndrome. *Ann Clin Transl Neurol* 5:1077-1088, 2018

Urban KJ, Riggs L, Wells GD, Keightley M, Chen JK, Ptito A, Fait P, Taha T, Sinopoli KJ. Cortical Thickness Changes and Their Relationship to Dual-Task Performance following Mild Traumatic Brain Injury in Youth. *J Neurotrauma*. 2016 Oct 13.

Vaags AK, Bowdin S, Smith ML, Gilbert-Dussardier B, Brocke-Holmefjord KS, Sinopoli K, Gilles C, Haaland TB, Vincent-Delorme C, Lagrue E, Harbuz R, Walker S, Marshall CR, Houge G, Kalscheuer VM, Scherer SW, Minassian BA. Absent CNKSR2 causes seizures and intellectual, attention, and language deficits. *Annals of Neurology*. 2014 Nov;76(5):758-64.

Sinopoli KJ, Chen JK, Wells G, Fait P, Ptito A, Taha T, Keightley M. Imaging "brain strain" in youth athletes with mild traumatic brain injury during dual-task performance. *Journal of Neurotrauma*. 2014 Nov 15;31(22):1843-59.

Dennis M, Spiegler BJ, Simic N, Sinopoli KJ, Wilkinson A, Yeates KO, Taylor HG, Bigler ED, Fletcher JM. Functional plasticity in childhood brain disorders: when, what, how, and whom to assess. *Neuropsychology Review*. 2014 Dec;24(4):389-408.



**Robyn Westmacott, Ph.D., C. Psych., ABPP-CN** (University of Toronto).  
Staff Neuropsychologist

**Program:** Neurology

Neuropsychological assessment and consultation in the area of paediatric stroke and other neurovascular or neurological conditions; Neuropsychological outcomes in paediatric stroke; Impact of age at injury on outcome; Emerging deficits following early brain injury.

*Peterson RK, Williams T, Dlamini N, Westmacott R.* Parent experiences and developmental outcomes following neonatal stroke. *The Clinical neuropsychologist*. 2021;35(5):973-87.

Leung, K.I., Dlamini, N., **Westmacott, R.**, and Molnar, M. (2023). Language and cognitive outcomes following ischemic stroke in children with monolingual and bilingual exposure. *Journal of Child Neurology*, advanced e-publication.

*Champigny, C.M., Feldman, S.J., Beribisky, N., Desrocher, M., Isaacs, T., Krishnan, P., Monette, G., Dlamini, N., Dirks, P., & Westmacott, R.* (2023). Predictors of neurocognitive outcome in pediatric ischemic and hemorrhagic stroke. *Child Neuropsychology*. Advanced e-publication

*Champigny, C.M., Feldman, S.J., Westmacott, R., Wojtowicz, M., Aurin, C., Dlamini, N., Dirks, P., & Desrocher, M.* (2023). "My stroke is part of my identity": Adjusting to life after pediatric stroke: A qualitative study. *Developmental Medicine and Child Neurology*, advanced e-publication.

Mrakotsky, C., Williams, TS, Shapiro, K., and **Westmacott, R.** (2022). Rehabilitation in pediatric stroke: Cognition and behaviour. *Seminars in Pediatric Neurology*, December, 44.

Krivitzky, L., **Westmacott, R.**, Boada, R., Sepeta, L. Reppert, L., and Mrakotsky, C. (2022). Recent advances in neuropsychological outcomes and intervention in pediatric stroke. *Stroke*, Dec:53(12):3780-3789.



**Tricia Williams, Ph.D., C. Psych. ABPP-CN** (York University).  
Staff Neuropsychologist.

**Program:** Neurology.

Neuropsychological assessment, consultation and research involving children and families from neonatal neurology, paediatric stroke and other neurovascular or neurological conditions. Special interest in early interventions to promote optimal mental health outcomes following neonatal brain injury.

Williams, T. S., Burek, B., Deotto, A., Ford, M. K., Green, R., & Wade, S. L. (2022). Pandemic Perils and Promise: Implementation of a Virtual Parenting Intervention during COVID-19 among Children with Early Neurological Conditions. *Developmental Neurorehabilitation*, 1-13. DOI: <https://doi.org/10.1080/17518423.2022.2099996>. Impact Factor (2.05). Primary Author.

Lamond, B., Roberts, S. D., Miller, S. P., Wade, S. L., & Williams, T. S. (2022). Psychosocial Intervention Outcomes for Children with Congenital and Neonatal Conditions: Systematic Review. *Journal of Pediatric Psychology*. 1-16. DOI: <https://doi.org/10.1093/jpepsy/jsac038>. Impact Factor (3.19). Senior Responsible Author.

Ford, M. K., Roberts, S. D., Andrade, B. F., Desrocher, M., Wade, S. L., Kohut, S. A., & Williams, T. S. (2022). Building I-INTERACT-North: Participatory Action Research Design of an Online Transdiagnostic Parent-Child Interaction Therapy Program to Optimize Congenital and Neurodevelopmental Risk. *Journal of Clinical Psychology in Medical Settings*, 1-12. DOI: <https://doi.org/10.1007/s10880-022-09875-8>. Impact Factor (1.97). Senior Responsible Author.

Williams, T.S., Deotto, A., Roberts, S.D., Ford, M., Desire, N., & Cunningham, S. (2021). COVID-19 mental health impact among children with congenital and neonatal brain injury/conditions. *Child Neuropsychology. ePRINT*, 1-22; <https://doi.org/10.1080/09297049.2021.1998407>. Impact Factor (2.74). Primary Author.

Williams, T. (2021) Transdiagnostic approaches to early brain injury: Harnessing neuroprotection through parents and families: Introduction to the Special Edition. *The Clinical Neuropsychologist*, 35 (5) 841-845. <https://doi.org/10.1080/13854046.2021.1927192>. Impact Factor (2.23). Primary Author.

Deotto, A., Fabiano, G. F., Chung, B. Y. T., Wade, S. L., Anagnostou, E., Crosbie, J., Kelley, E., Nicolson, R., Andrade, B. F., Miller, S. P., **Williams, T. S.** (2023). Stepping up to COVID-19: A clinical trial of a telepsychology positive parenting program targeting behavior problems in children with neurological risk. *Journal of Pediatric Psychology*. doi:10.1093/jpepsy/jsad032\_



**Busi Zapparoli, Ph.D., C. Psych.** (York University).  
Neuropsychologist

### **Program: Rheumatology**

Neuropsychological assessment and research of children and adolescents with pediatric-onset systemic lupus erythematosus (lupus). Lupus is a chronic autoimmune disease that disproportionately affects racialized minorities and has the capacity to cause significant organ damage and mortality. Both disease- and treatment-related factors affect cognitive function, physical health, and quality of life. Many lupus patients experience cognitive dysfunction and mental health disorders, in addition to pain, fatigue, and poor social engagement.

Neuropsychological assessment aids in the diagnosis of neuropsychiatric lupus (the neurological and psychiatric manifestations of lupus), while research focuses on the development of cognitive and mental health interventions for lupus patients.

Nguyen, C. M., Rampa, S., Staios, M., Nielsen, R., **Zapparoli, B. L.**, Zhou, E., Mbakile-Mahlanza, Colon, J., Hammond, A., Hendriks, M., Kgolo, T., Serrano, Y., Marquine, M., Dutt, A., Evans, J., M., L., Judd, T.

(2024) Neuropsychological Application of the International Testing Commission Guidelines for Translating and Adapting Tests. *Journal of the International Neuropsychological Society*.

Bebko M., J., Porthukaran, A., Yusupov, I., Segers, M., Konanur, S., & **Zapparoli, B. L.** (2022). Autism Summer Employment Program: A Two Cohort Evaluation of Community-Based Pilot Program. *Journal on Developmental Disabilities*.

Stevenson, R. A., Ruppel, J., Sun, S., Segers, M., **Zapparoli, B. L.**, Bebko, J. M., Barense, M., & Ferber, S. (2021). Visual working memory and sensory processing in autistic children. *Scientific Reports*.

Segers, M., Bebko, J. M., **Zapparoli, B. L.**, & Stevenson, R. A. (2020). A pupillometry study of multisensory social and linguistic processing in autism and typical development. *Developmental Psychology*.

Perry, A., Charles, M. K., **Zapparoli, B.** & Weiss, J. A. (2020). School satisfaction in parents of children with severe developmental disabilities. *Journal of Applied Research in Intellectual Disabilities*.

### Affiliated Faculty (Research)



**Donald J. Mabbott, PhD., C.Psych., ABPP-CN** (University of Alberta), Senior Scientist and Program Head, Neurosciences and Mental Health Program, Research Institute, The Hospital for Sick Children; Professor, Department of Psychology, The University of Toronto

Research using innovative brain imaging techniques (i.e., Diffusion Tensor Magnetic Resonance Imaging; Magnetoencephalography) and psychological tests to study the impact of brain injury on how the brain grows and develops in childhood, particularly in children treated for pediatric brain tumours.

*Laliberte Durish C, Moxon-Emre I, Bouffet E, Bartels U, Mabbott DJ. Family environment as a predictor and moderator of cognitive and psychosocial outcomes in children treated for posterior fossa tumors. Child neuropsychology : a journal on normal and abnormal development in childhood and adolescence. 2021;27(5):641-60.*

*Peterson RK, Tabori U, Bouffet E, Laughlin S, Liu F, Scantlebury N, et al. Predictors of neuropsychological late effects and white matter correlates in children treated for a brain tumor without radiation therapy. Pediatric blood & cancer. 2019 Oct;66(10):e27924. PubMed PMID: 31309694.*

Partanen M, Bouffet E, Laughlin S, Strother D, Hukin J, Skocic J, Szulc-Lerch K, Mabbott DJ: Early changes in white matter predict intellectual outcome in children treated for posterior fossa tumors. *Neuroimage Clin* 20:697-704, 2018

Szulc-Lerch KU, Timmons BW, Bouffet E, Laughlin S, de Medeiros CB, Skocic J, Lerch JP, Mabbott DJ: Repairing the brain with physical exercise: Cortical thickness and brain volume increases in long-term pediatric brain tumor survivors in response to a structured exercise intervention. *Neuroimage Clin* 18:972-985, 2018

Oyefiade AA, Ameis S, Lerch JP, Rockel C, Szulc KU, Scantlebury N, Decker A, Jefferson J, Spichak S, Mabbott DJ: Development of short-range white matter in healthy children and adolescents. *Hum Brain Mapp* 39:204-217, 2018



**Mary Lou Smith, Ph.D., C. Psych.** (McGill University).  
Staff Neuropsychologist, Professor of Psychology, University of Toronto.  
Senior Associate Scientist, Neurosciences and Mental Health Program

**Programs:** Neurology, Infectious Diseases

Smith ML, Puka K, Speechley KN, Ferro M, Connolly M, Major P, Gallagher A, Almubarak S, Hasal S, RamachandranNair R, Andrade A, Xu Q, Leung E, Snead OC, Widjaja W. A longitudinal cohort study of mediators of health-related quality of life after pediatric epilepsy surgery or medical treatment. *Epilepsia*. 2023; 64(8):2162-2171.

Young JM, Chen V, Bitnun A, Read SE, Smith ML. Attention and neurodevelopment in young children who are HIV-exposed uninfected. *AIDS Care*, 2023, doi:10.1080/09540121.2023.2240069

Cross JH, Reilly C, Gutierrez Delicado E, Smith ML, Malmgren K. Epilepsy surgery for children and adolescents: evidence-based but underused. *Lancet Child Adolesc Health*. 2022;6(7):484-494. doi: 10.1016/S2352-4642(22)00098-0.

Puka K, Smith ML. Long-term outcomes across multiple cognitive domains following pediatric epilepsy surgery or pharmacological management. *Developmental Medicine and Child Neurology*, 2021, 63(6), 690-696. doi: 10.1111/dmcn.14815.

Baxendale S, Wilson SJ, Baker GA, Barr W, Helmstaedter C, Hermann B, Langfitt JT, Reuner G, Rzezak P, Samson S, Smith ML. Ten things every neurologist needs to know about neuropsychological assessments and interventions in people with epilepsy. *European Journal of Neurology*. 2020;27(2):215-220. doi: 10.1111/ene.14104.



**Julia Young, Ph.D., C. Psych.** (University of Toronto)  
Staff Neuropsychologist and Researcher

**Program:** Infectious Diseases & General Neuropsychology

Research interests involve cognitive and mental health outcomes of children who were exposed to HIV and antiretroviral therapies in utero through the Kids Imaging and Neurocognitive Development (KIND) study. Neuropsychological assessment and consultation of broad patient groups including infectious diseases and neurology.

**Young JM**, Chen V, Bitnun A, Read SE, Smith ML. (2024) Attention in early school aged HIV-exposed uninfected children. *Aids Care*, 36(1), 26-35.

Tavares T, **Young JM**, Kerr E, Mamak E, Smith ML. (2024) Neuropsychology of insular epilepsy: A Scoping Review. *The Clinical Neuropsychologist*, 1-51.

**Young JM**, Bitnun A, Read SE, Smith ML. Neurodevelopment of HIV-exposed uninfected children compared to HIV-unexposed uninfected children during early childhood. (2022). *Developmental Psychology*, 58(3), 551.

**Young JM**, Bitnun A, Read SE, Smith ML. (2021). Early Academic Achievement of HIV-Exposed Uninfected Children Compared to HIV-Unexposed Uninfected Children at 5 Years of Age. *Child Neuropsychology*. <https://doi.org/10.1080/09297049.2021.1871891>.

**Young JM**, Vandewouw M, Whyte HEA, Leijser LM, Taylor MJ. (2020). Resilience and vulnerability: Neurodevelopmental profiles of very preterm children and cases of ventriculomegaly. *Frontiers Human Neuroscience*. 14:219.

**Young JM**, Vandewouw MM, Mossad S, Morgan BR, Smith ML, Sled JG, Taylor MJ. (2019). White matter microstructural differences identified using multi-shell diffusion imaging in six-year-old children born very preterm. *NeuroImage: Clinical*. 23: 101855. doi: 10.1016/j.nicl.2019.101855.