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## Andréane Lavallée, PhD

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Columbia University Irving Medical Center  
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### Education

- 09/2015-12/2020 Doctor of Philosophy (PhD)  
Faculty of Nursing, Université de Montréal, Montreal, Canada
- 09/2014-08/2015 Master of Science in Nursing (not completed – fast tracked to PhD)  
Faculty of Nursing, Université de Montréal, Montreal, Canada
- 09/2011-05/2014 Bachelor of Science in Nursing  
Faculty of Nursing, Université de Montréal, Montreal, Canada

### Training

- 01/2024-11/2024 Postdoctoral Research Scientist  
Vagelos College of Physician and Surgeons, Division of Child and Adolescent Health  
Department of Pediatrics, Columbia University Irving Medical Center, New York, NY, USA
- 03/2021-12/2023 Postdoctoral Research Fellow  
Vagelos College of Physician and Surgeons, Division of Child and Adolescent Health  
Department of Pediatrics, Columbia University Irving Medical Center, New York, NY, USA

### Academic and Professional Appointments

- 11/2024- Associate Research Scientist  
Vagelos College of Physician and Surgeons, Division of Child and Adolescent Health  
Department of Pediatrics, Columbia University Irving Medical Center, New York, NY, USA
- 2014-2021 Registered Nurse  
Neonatal Intensive Care Unit, Sainte-Justine Hospital, Montreal, Canada

### Licensure

- 2014- Registered Nurse in the Province of Québec, Canada  
*Ordre des Infirmières et Infirmiers du Québec (OIIQ; #214 2479)*

### Professional Organizations, Societies & Service

#### Memberships

- 2023-2024 Member, World Association for Infant Mental Health (WAIMH)
- 2023- Member, International Behavioral Neuroscience Society (IBNS)
- 2022 Member, Society of Biological Psychiatry (SOBP)
- 2022- Member, International Society for Developmental Psychobiology (ISDP)
- 2022- Member, Society for Neuroscience (SfN)
- 2021-2024 Member, Canadian Association of Postdoctoral Scholars (CAPS)
- 2014- Member, Quebec Network on Nursing Interventions (RRISIQ)

#### Journal Reviewer

- 2025- Ad-Hoc Reviewer, *Infancy* (IF 2.6), n=1 (2025)
- 2025- Ad-Hoc Reviewer, *Maternal Health, Neonatology and Perinatology* (IF 1.93), n=1 (2025)

- 2025- Ad-Hoc Reviewer, Journal of the American Academy of Child and Adolescent Psychiatry (IF 9.5), n=1 (2025)
- 2025- Ad-Hoc Reviewer, Cochrane database of systematic reviews (IF 8.8), n=1 (2025)
- 2024- Ad-Hoc Reviewer, Journal of Clinical Nursing (IF 3.2), n=1 (2024)
- 2024- Ad-Hoc Reviewer, Clinical Child and Family Psychology Review (IF 5.5), n=1 (2024)
- 2024- Ad-Hoc Reviewer, BMC Nursing (IF 3.1), n=1 (2024), n=3 (2025)
- 2024- Ad-Hoc Reviewer, Nursing Open (IF 2.3), n=1 (2024)
- 2024- Ad-Hoc Reviewer, BMC Pregnancy and Childbirth (IF 3.1), n=1 (2024)
- 2024- Ad-Hoc Reviewer, Journal of Medical Internet Research (JMIR; IF 7.4), n=1 (2024)
- 2023- Ad-Hoc Reviewer, Archives of Women's Mental Health (AWMH; IF 4.5), n=1 (2024)
- 2022- Ad-Hoc Reviewer, The Journal of Maternal-Fetal & Neonatal Medicine (IF 1.8), n=1 (2022)
- 2022- Ad-Hoc Reviewer, Early Human Development (IF 2.5), n=1 (2022)
- 2022- Ad-Hoc Reviewer (with Postdoc Advisor), JAMA Network Open (IF 13.8), n=1 (2022)
- 2021- Ad-Hoc Reviewer, International Journal of Nursing Studies (IF 5.8), n=1 (2021), n=2 (2023), n=1 (2025)
- 2021- Ad-Hoc Reviewer, BMC Pediatrics (IF 2.4), n=1 (2021), n=1 (2024)
- 2021- Ad-Hoc Reviewer, International Quarterly of Community Health Education (IF 0.9). n=1 (2021)
- 2017- Ad-Hoc Reviewer, BMC Systematic Reviews (IF 3.7), n=1 (2017)

### **Grant Reviewer (National and International)**

- 2021-2022 Peer-review – doctoral scholarships  
Canadian Institutes of Health Research (CIHR)  
n=9 (2021), n=10 (2022)
- 2018-2021 Peer-review - Research Grants  
Paramedical and Nursing Research Program (PHRIP)  
Social and Health ministry, France
- 2017 Peer-review committee - Conference Abstracts  
Canadian National Perinatal Research Meeting (CNPRM)

### **National Committees**

- 2025- Member, Early Relational Health (ERH) National Network  
Nurture Connection, Washington, D.C., USA
- 2025 Consultant - Expert ad hoc committee to examine early relational health (ERH) determinants of future health and wellbeing for infant, child, and family wellbeing.  
National Academies of Science, Engineering and Medicine (NASEM), Washington, D.C., USA
- 2022- Committee Member, Early Relational Health Learning Community (ERH-LC)  
Workgroup of Nurture Connection, Washington, D.C., USA
- 2016-2017 Scientific Conference Theme Committee - Nursing and Midwifery  
Canadian National Perinatal Research Meeting (CNPRM)

### **Educational Contributions**

#### **Teaching Activities**

- 2021- Behavioral Coding Trainer – Emotional Connection Scale  
Department of Pediatrics, Columbia University Irving Medical Center, New York, NY, USA  
Training Title: Emotional Connection Scale – Achieving Reliability
- 2018-2024 Guest Lecturer  
Faculty of Nursing, Université de Montréal, Montreal, Canada  
Course Level: Graduate

Course Title(s):

- SOI 7001 – Research methods in Nursing Science (Winter 2020, 2021, 2022, 2023 and 2024)  
Talk Title: Introduction to Randomized Controlled Trials
- SOI 7003 – Knowledge synthesis methodologies for Nursing Science (Fall 2018, 2019, 2020, 2023)  
Talk Title: Introduction to Systematic Reviews

2019/05-2019/09

Adjunct Lecturer  
Faculty of Nursing, Université de Montréal, Montreal, Canada  
Course Level: Graduate  
Course Title: SOI 6700 – Introduction to Scientific Writing

2018-2019

Undergraduate Program Training Coordinator  
Faculty of Nursing, Université de Montréal, Montreal, Canada  
Course Level: Undergraduate  
Course Title: SOI 2905 – Health experience in the perinatal period (Fall 2018 and 2019)

2016-2020

Teaching Assistant  
Faculty of Nursing, Université de Montréal, Montreal, Canada

Course Level: Graduate

Course Title(s):

- SOI 6911 – Data analysis methodologies (Winter 2018, 2019 and 2020)
- SOI 6102 – Research and nursing practice (Winter 2018, 2019 and 2020, Fall 2018, 2019 and 2020)

Course Level: Undergraduate

Course Title(s):

- SOI 2903 – Health experience in the perinatal period (Fall 2016, 2017 and 2019, Winter 2017, 2018 and 2019)
- SOI 2901 – Learning integration 1 (Summer 2016, Winter 2016)
- SOI 2613 – Health and family (Winter 2016)

2015-2018

Teaching Assistant - lab  
Faculty of Nursing, Université de Montréal, Montreal, Canada  
Course Level: Undergraduate

Course Title(s):

- SOI 2702 – Nursing practice in perinatology (Winter 2017 and 2018)
- SOI 2609 – Nursing practice in critical care (Winter 2015, Fall 2015, Winter 2017)
- SOI 1603 – Nursing practice in chronic illness 2 (Winter 2015)
- SOI 1605 – Person and health (Winter 2015)
- SOI 1615 – Nursing practice in chronic illness 1 (Winter 2015)

## Awards and Honors

07/2025

Travel Award  
American College of Neuropsychopharmacology (ACNP)

07/2023

Postdoc Travel Award  
International Society of Developmental Psychobiology (ISDP)

11/2022

Postdoc Travel Award  
International Society of Developmental Psychobiology (ISDP)

12/2020	Doctoral dissertation awarded with Honors Faculty of Nursing, Université de Montréal, Montréal
2017-2018	Travel Award Quebec Network on Nursing Interventions (RRISIQ)
2017-2018	Travel Award Canadian Institutes of Health Research (CIHR)
06/2017	Best Oral presentations – NICU Nursing Award European Society of Paediatric and Neonatal Intensive Care (ESPNIC)
09/2016	Best Student Presentation Council of International Neonatal Nurses Conference (COINN)

### Competitive Merit-Based Fellowships

2023	Postdoctoral Fellowship (Renewal) Fonds de Recherche du Québec – Santé (FRQ-S) [ <i>Quebec Health Research Funds</i> ]
2021-2022	CIHR Fellowship (postdoctoral) Canadian Institutes of Health Research (CIHR)
2021-2022	Postdoctoral Fellowship (respectfully declined) Fonds de Recherche du Québec – Santé (FRQ-S) [ <i>Quebec Health Research Funds</i> ]
2019-2020	Doctoral Fellowship Faculty of Nursing, Université de Montréal, Montreal, Canada
2019-2020	Doctoral Fellowship Faculty of Nursing, Université de Montréal, Montreal, Canada
2019-2020	CIHR Fellowship (doctoral) Canadian Institutes of Health Research (CIHR)
2018-2019	Doctoral Fellowship - Gustav Levinschi Foundation Director of Nursing, Sainte-Justine Hospital, Montreal, Canada
2018-2019	Doctoral Fellowship Fonds de Recherche du Québec – Santé (FRQ-S) [ <i>Quebec Health Research Funds</i> ]
2017-2018	Mobility Fellowship Workshop on Innovative Care of the Newborn Care – aEEG, Stanford University International Affairs, Université de Montréal, Montreal, Canada
2017-2018	Doctoral Fellowship Quebec Ministry of Higher Education & Réseau de Recherche en Intervention en Sciences Infirmières du Québec Québec (RRISIQ) [ <i>Quebec Network on Nursing Intervention Research</i> ]
2017-2018	Doctoral Fellowship TD Director of Nursing, Sainte-Justine Hospital, Montreal, Canada
2016-2017	Doctoral Fellowship Quebec Ministry of Higher Education, Quebec, Canada

2016-2017	Doctoral Fellowship - Gustav Levinschi Foundation Director of Nursing, Sainte-Justine Hospital, Montreal, Canada
2016-2017	Doctoral Fellowship (respectfully declined) Graduate and Postdoctoral Studies, Université de Montréal, Montreal, Canada
2016-2017	Doctoral Fellowship TD Director of Nursing, Sainte-Justine Hospital, Montreal, Canada
2015-2016	Doctoral Fellowship Graduate and Postdoctoral Studies, Université de Montréal, Montreal, Canada
2015-2016	MSc Fellowship (respectfully declined) Quebec Ministry of Higher Education, Quebec, Canada
2014-2015	MSc Fellowship Faculty of Nursing, Université de Montréal, Montreal, Canada

## Grants

### Pending Support

09/2026-08/2029	R00 NIH/NICHD Role: PI Title: Emotional and biobehavioral mechanisms of parent-infant emotional synchrony	<b>\$750,000 USD</b>
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### Current Support

09/2024-08/2026	K99HD115784 NIH/NICHD Role: PI Title: Emotional and biobehavioral mechanisms of parent-infant emotional synchrony	<b>\$263,066 USD</b>
2022-2027	Project Grant #471188 Institute of Development, Child and Youth Health (IHDCYH), Canadian Institutes of Health Research (CIHR) Role: Co-Investigator Co-PIs: Marilyn Aita & Marjolaine Héon Title: Effects of a mother-infant intervention in the NICU on infant neurodevelopment: A Randomized Controlled Trial.	<b>\$443,700 CAD</b>

### Past Support

2023-2024	Pilot Project Réseau de Recherche en Intervention en Sciences Infirmières du Québec (RRISIQ) [Quebec Network on Nursing Intervention Research] Role: Co-Investigator PI: Marilyn Aita Title: Preterm infants' neurodevelopment: A scoping review	<b>\$15,000 CAD</b>
2019-2022	Pilot Project Réseau de Recherche en Intervention en Sciences Infirmières du Québec (RRISIQ) [Quebec Network on Nursing Intervention Research]	<b>\$90,000 CAD</b>

Role: Co-Investigator  
Co-PIs: Marilyn Aita & Marjolaine Héon  
Title: Effects of a Nurturing and Quiet Intervention (NeuroN-QI) on Preterm Infants' Neurodevelopment: A Pilot Randomized Clinical Trial.

2020-2022	Research Grant	#430349	<b>\$10,000 CAD</b>
	Institute of Development, Child and Youth Health (IHDCYH), Canadian Institutes of Health Research (CIHR)		
	Role: PI		
	Title: Validation of scores from the Parent-child interaction scale, WECS and WECS-P		
2020-2022	Implementation Project		<b>\$12,800 CAD</b>
	Réseau de Recherche en Intervention en Sciences Infirmières du Québec (RRISIQ) [Quebec Network on Nursing Intervention Research]		
	Role: Co-PI		
	Title: Optimizing nursing practices regarding promotion of mother-infant interactions in the NICU		
2019-2020	Research Grant	#416125	<b>\$8,333 CAD</b>
	Institute of Development, Child and Youth Health (IHDCYH), Canadian Institutes of Health Research (CIHR)		
	Role: PI		
	Title: Randomized pilot trial of a parental Guided Participation intervention in their preterm infant's Positioning (GP_Posit)		
2017	Pilot Project		<b>\$25,000 CAD</b>
	Réseau de Recherche en Intervention en Sciences Infirmières du Québec (RRISIQ) [Quebec Network on Nursing Intervention Research]		
	Role: Co-Investigator		
	PI: Marilyn Aita		
	Title: Effectiveness of Interventions during NICU Hospitalization on the Short-term Neurodevelopment of Preterm Infants: A Systematic Review Protocol.		

## Publications

### Submitted & Under Review

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**Lavallée A**, Warmingham JM, Owen JB, Xu RL, Ahmed I, Atwood GD, Kyle MH, Hussain M, Chaves V, Arduin E, Lanoff MR, Hyman SP, Coskun LZ, Shearman N, Russo JE, Ettinger S, Greeman EA, Serota DE, Bence ML, Hott V, Hu Y, Kurman G, Lara M, Lopez HT, Mollicone I, Ravi R, Rofrigues C, Smotrich GC, Lawless A, Ontiveros-Ángel P, Curtin A, Austin J, Firestein MR, Shuffrey LC, Fernández CR, Battarbee AN, Bruno A, Dadwood FS, Maniatis P, Morrill TC, Newes-Adeyi G, Reichle L, Semenova V, Tita AT, Varner M, Wielgosz K, Marsh R, Curtin P, Stockwell MS, Monk C, Dumitriu D. Prenatal exposure to SARS-CoV-2, early relational health, and child socio-emotional functioning in the first 6 months. Submitted for CDC clearance.

Warmingham JM, **Lavallée A**, Curtin P, Owen J, Fuller K, Nakua H, Hendry H, Lanoff M, Gigliotti A, Russo J, Chaves V, Arduin E, Shearman N, Ahmed I, Battarbee AN, Firestein M, Hussain M, Kyle M, Marsh R, Tita AT, Varner M, Xu R, Stockwell MS, Monk C, Dumitriu D. The quality of early relational health modifies the effect of early life stress on child emerging psychopathology. *Pediatrics*. Submitted 2026. medRxiv 2026.01.23. 26344636; doi: 10.64898/2026.01.23.26344636.

Erickson E, Amati JB, Miller-Fitzwater A, Best DL, Johanson E, Preiss D, Brown A, Crotty JE, Dumitriu D, Gillen L, Grier C, Gustafson KK, Shearman N, **Lavallée A**, Warmingham JM, Arduin E, Shearman N, Young J, Sperling J. Implementation of emotional connection training in pediatric primary care: a mixed-methods study. *JMIR Med Education*. Submitted 2025.

**Lavallée A**, Pang L, Warmingham J, Atwood G, Ahmed I, Lanoff M, Finkel MA, Xu R, Arduin E, Hamer K, Fischman R, Ettinger S, Hu Y, Fisher K, Greeman E, Kuromaru M, Durr S, Flowers E, Gozali A, Willis D, Dumitriu D. Early dyadic parent/caregiver-infant interventions to support early relational health: a meta-analysis. Preprint at medRxiv. 2022. doi: 10.1101/2022.10.29.22281681v3. Under review Communications Psychology.

### Published Original Research and Meta-Analyses in Peer-Reviewed Journals

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- 18 Warmingham JM, **Lavallée A**, Lanoff M, Russo J, Atwood G, Owen J, Manigat C, Fernández CR, Curtin P, Austin J, Battarbee AN, Bruno A, Dawood FS, Ettinger S, Gani K, Gyamfi-Bannerman C, Hussain M, Kyle M, Lee S, Maniatis P, Marsh R, Morrill T, Mourad M, Newes-Adeyi G, Reichle L, Morrill TC, Semenova V, Silver W, Tita AT, Varner M, Weilgosz K, Stockwell MS, Monk C, Dumitriu D. Labor and delivery characteristics, maternal birth satisfaction, and early relational health among pandemic-born children. *J Reprod Infant Psychol*. Accepted 2026.
- 17 \***Lavallée A**, \*Babineau V, D'Antonio K, et al. Mental health service utilization in a novel insurance-based Ob/Gyn integrated model for women across the lifespan. *Arch Womens Ment Health*. 2026;29(5). doi:10.1007/s00737-025-01652-4 \*Shared first authorship.
- 16 **Lavallée A**, Warmingham JM, Reimers MA, Curtin P, Kyle MH, Austin J, Lee S, Barker T, Hussain M, Arduin E, Ahmed I, Atwood G, Ettinger S, Smotrich G, Turner JB, Fisher PW, Marsh R, Dumitriu D. Development of a revised and abbreviated version of the postpartum bonding questionnaire (PBQ-R): First U.S. validation and association to child outcomes. *Infant Ment Health J*. 2025. doi: 10.1002/imhj.70052.
- 15 Fontaine G, Vinette B, Weight C, Maheu-Cadotte MA, **Lavallée A**, Deschênes MF, Lapierre A, Castiglione SA, Chicoine G, Rouleau G, Argiropoulos N, Konnyu K, Mooney M, Cassidy CE, Mailhot T, Lavoie P, Pépin C, Cossette S, Gagnon MP, Semenik S, Straiton N, Middleton S. Effects of implementation strategies on nursing practice and patient outcomes: a comprehensive systematic review and meta-analysis. *Implement Sci*. 2024 Sep 30;19(1):68. doi: 10.1186/s13012-024-01398-0. PubMed PMID: 39350295; PubMed Central PMCID: PMC11443951.
- 14 Firestein MR, Manassis A, Warmingham JM, Xu R, Hu Y, Finkel MA, Kyle M, Hussain M, Ahmed I, **Lavallée A**, Solis A, Chaves V, Rodriguez C, Goldman S, Muhle RA, Lee S, Austin J, Silver WG, O'Reilly KC, Bain JM, Penn AA, Veenstra-VanderWeele J, Stockwell MS, Fifer WP, Marsh R, Monk C, Shuffrey LC, Dumitriu D. Positive Autism Screening Rates in Toddlers Born During the COVID-19 Pandemic. *JAMA Netw Open*. 2024 Sep 3;7(9):e2435005. doi: 10.1001/jamanetworkopen.2024.35005. PubMed PMID: 39312236; PubMed Central PMCID: PMC11420691.
- 13 West BS, Ehteshami L, McCormack C, Beebe B, Atwood GD, Austin J, Chaves V, Hott V, Hu Y, Hussain M, Kyle MH, Kurman G, Lanoff M, **Lavallée A**, Manning JQ, McKiernan MT, Pini N, Smotrich GC, Fifer WP, Dumitriu D, Goldman S. Perinatal Loneliness and Isolation Early in the COVID-19 Pandemic in New York City: A Qualitative Study. *J Midwifery Womens Health*. 2025 Jan-Feb;70(1):124-130. doi: 10.1111/jmwh.13695. Epub 2024 Nov 9. PubMed PMID: 39520355; PubMed Central PMCID: PMC11805614.
- 12 Ahmed I, Yu M, Chaves V, Xu R, **Lavallée A**, Warmingham JM, Firestein M, Kyle MH, Fisher K, Merriman ET, Rodriguez C, Mace W, Fernandez C, Dumitriu D, Lalwani AK. Risk of Hearing Loss in Neonates and Toddlers with in Utero Exposure to SARS-CoV-2. *Laryngoscope*. 2025 Jan;135(1):385-392. doi: 10.1002/lary.31739. Epub 2024 Sep 4. PubMed PMID: 39230195; PubMed Central PMCID: PMC11686481.
- 11 **Lavallée A**, Côté J, Luu TM, Bell L, Grou B, Blondin SE, Aita M. Acceptability and feasibility of a nursing intervention to promote sensitive mother-infant interactions in the NICU. *J Neonatal Nurs*. 2022 Apr;29(2):296-301. doi: 10.1016/j.jnn.2022.07.011.

- 10 Pépin C, Aita M, **Lavallée A**, Goudreau J. Comparative study of knowledge acquisition in nursing students experiencing clinical simulation versus clinical placement in perinatal care. *Qual Adv Nurs Educ.* 2022;8(1):e1-e13. doi: 10.17483/2368-6669.1295.
- 09 De Clifford-Faugère G, Laporte G, Gélinas C, **Lavallée A**, Fontaine G, Feeley N, Colson S, Aita M. French Translation, Adaptation, and Initial Validation of the Nurses' Attitudes and Perceptions of Pain Assessment in Neonatal Intensive Care Questionnaire (NAPPAQ). *Pain Manag Nurs.* 2022 Apr;23(2):204-211. doi: 10.1016/j.pmn.2021.04.003. Epub 2021 May 25. PubMed PMID: 34045150.
- 08 **Lavallée A**, Aita M, Côté J, Bell L, Luu TM. Documenting standard developmental care in neonatal intensive care units: Insights from the GP\_Posit pilot trial. *Acta Paediatr.* 2021 Oct;110(10):2775-2777. doi: 10.1111/apa.15963. Epub 2021 Jun 16. PubMed PMID: 34057759.
- 07 **Lavallée A**, De Clifford-Faugère G, Ballard A, Aita M. Parent-infant interventions to promote parental sensitivity during the NICU hospitalization: systematic review and meta-analysis. *J Early Interv.* 2021;43(4):367-389. doi: 10.1177/105381512199192.
- 06 Aita M, De Clifford Faugère G, **Lavallée A**, Feeley N, Stremler R, Rioux É, Proulx MH. Effectiveness of interventions on early neurodevelopment of preterm infants: a systematic review and meta-analysis. *BMC Pediatr.* 2021 Apr 29;21(1):210. doi: 10.1186/s12887-021-02559-6. PubMed PMID: 33926417; PubMed Central PMCID: PMC8082967.
- 05 Melançon J, Belzile S, **Lavallée A**, Aita M. Clinical intervention involving parents in their preterm infant's care to promote parental sensitivity. *J Neonatal Nurs.* 2021 Feb;27(1):58-62. doi: 10.1016/j.jnn.2020.05.003.
- 04 Maheu-Cadotte MA, Cossette S, Dubé V, Fontaine G, **Lavallée A**, Lavoie P, Mailhot T, Deschênes MF. Efficacy of Serious Games in Healthcare Professions Education: A Systematic Review and Meta-analysis. *Simul Healthc.* 2021 Jun 1;16(3):199-212. doi: 10.1097/SIH.0000000000000512. PubMed PMID: 33196609.
- 03 Allard E, Leclerc-Loiselle J, **Lavallée A**, Vinette B, Larue C. PhD nursing students' changing needs relative to the comprehensive doctoral examination. *Nurse Educ Pract.* 2021 Jan;50:102917. doi: 10.1016/j.nepr.2020.102917. Epub 2020 Nov 18. PubMed PMID: 33249390.
- 02 De Clifford-Faugère G, **Lavallée A**, Khadra C, Ballard A, Colson S, Aita M. Systematic review and meta-analysis of olfactory stimulation interventions to manage procedural pain in preterm and full-term neonates. *Int J Nurs Stud.* 2020 Oct;110:103697. doi: 10.1016/j.ijnurstu.2020.103697. Epub 2020 Jun 24. PubMed PMID: 32738721.
- 01 Aita M, Stremler R, Feeley N, Nuyt AM, **Lavallée A**. Acceptability to nurses of reducing NICU light and noise levels during skin-to-skin care: A pilot study. *Appl Nurs Res.* 2019 Jun;47:29-31. doi: 10.1016/j.apnr.2019.03.001. Epub 2019 Mar 22. PubMed PMID: 31113542.

#### **Published Reviews, Commentaries, and Methods Papers in Peer-Reviewed Journals**

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- 22 \*Dumitriu D, \***Lavallée A**, Riggs JL, Frosch CA, Barker TV, Best DL, Blasingame B, Bushar J, Charlott-Swilley D, Erickson E, Finkel MA, Fortune B, Gillen L, Martinez M, Ramachandran U, Sanders LM, Willis DW, Shearman N. Advancing early relational health: a collaborative exploration of a research agenda. *Front Pediatr.* 2023;11:1259022. doi: 10.3389/fped.2023.1259022. eCollection 2023. Review. PubMed PMID: 38143537; PubMed Central PMCID: PMC10748603. **\*Shared first authorship.**
- 21 **Lavallée A**, Dumitriu D. Low Risk of Neurodevelopmental Impairment in the COVID-19 Generation Should Not Make Researchers Complacent. *JAMA Netw Open.* 2022 Oct 3;5(10):e2238958. doi: 10.1001/jamanetworkopen.2022.38958. PubMed PMID: 36306137.

- 20 **Lavallée A**, Aita M, Côté J, Bell L, Grou B. Promoting mother-infant relationship and preterm infant neurodevelopment in the NICU: development and design of a nursing intervention using a theory- and evidence-based approach. *Sci Nurs Health Pract.* 2022;5(1):49-75. doi: 10.7202/1090530ar.
- 19 Lavoie P, Lapierre A, Maheu-Cadotte MA, Rodriguez D, **Lavallée A**, Mailhot T. Improving the recognition and management of hemorrhage: A scoping review of nursing and midwifery education. *Nurse Educ Today.* 2022 Jun;113:105361. doi: 10.1016/j.nedt.2022.105361. Epub 2022 Apr 6. PubMed PMID: 35429750.
- 18 Fontaine G, Maheu-Cadotte MA, **Lavallée A**, Mailhot T, Lavoie P, Rouleau G, Vinette B, García MR, Bourbonnais A. Designing, planning, and conducting systematic reviews and other knowledge syntheses: Six key practical recommendations to improve feasibility and efficiency. *Worldviews Evid Based Nurs.* 2022 Dec;19(6):434-441. doi: 10.1111/wvn.12609. Epub 2022 Nov 1. PubMed PMID: 36317824.
- 17 Héon M, Aita M, **Lavallée A**, De Clifford-Faugère G, Laporte G, Boisvert A, Feeley N. Comprehensive mapping of NICU developmental care nursing interventions and related sensitive outcome indicators: a scoping review protocol. *BMJ Open.* 2022 Jan 31;12(1):e046807. doi: 10.1136/bmjopen-2020-046807. PubMed PMID: 35105609; PubMed Central PMCID: PMC8808373.
- 16 De Clifford-Faugère G, **Lavallée A**, Rioux É, Laporte G, Aita M. Neurodevelopmental outcomes of preterm infants who have experienced procedural pain in the neonatal intensive care unit: a systematic review protocol. *JBI Evid Synth.* 2021 Dec;19(12):3340-3346. doi: 10.11124/JBIES-20-00336. PubMed PMID: 34907148.
- 15 Aita M, Héon M, **Lavallée A**, De Clifford Faugère G, Altit G, Le May S, Dorval V, Lippé S, Larone Juneau A, Remmer E, Rennick JE. Nurturing and quiet intervention (NeuroN-QI) on preterm infants' neurodevelopment and maternal stress and anxiety: A pilot randomized clinical trial protocol. *J Adv Nurs.* 2021 Jul;77(7):3192-3203. doi: 10.1111/jan.14819. Epub 2021 Mar 14. PubMed PMID: 33719093.
- 14 **Lavallée A**, Aita M, Côté J, Bell L, Luu TM. A guided participation nursing intervention to therapeutic positioning and care (GP\_Posit) for mothers of preterm infants: protocol of a pilot randomized controlled trial. *Pilot Feasibility Stud.* 2020;6:77. doi: 10.1186/s40814-020-00601-5. eCollection 2020. PubMed PMID: 32509322; PubMed Central PMCID: PMC7251724.
- 13 Fontaine G, Cossette S, Maheu-Cadotte MA, Deschênes MF, Rouleau G, **Lavallée A**, Pépin C, Ballard A, Chicoine G, Lapierre A, Lavoie P, Blondin J, Mailhot T. Effect of implementation interventions on nurses' behaviour in clinical practice: a systematic review, meta-analysis and meta-regression protocol. *Syst Rev.* 2019 Dec 5;8(1):305. doi: 10.1186/s13643-019-1227-x. PubMed PMID: 31806051; PubMed Central PMCID: PMC6896305.
- 12 Maheu-Cadotte MA, Pépin C, **Lavallée A**, Hupé C, Mailhot T, Duchaine C, Fontaine G. CE: Gestational Hypertension, Preeclampsia, and Peripartum Cardiomyopathy: A Clinical Review. *Am J Nurs.* 2019 Nov;119(11):32-40. doi: 10.1097/01.NAJ.0000605352.84144.a2. Review. PubMed PMID: 31651497.
- 11 Fontaine G, Maheu-Cadotte MA, **Lavallée A**, Mailhot T, Rouleau G, Bouix-Picasso J, Bourbonnais A. Communicating Science in the Digital and Social Media Ecosystem: Scoping Review and Typology of Strategies Used by Health Scientists. *JMIR Public Health Surveill.* 2019 Sep 3;5(3):e14447. doi: 10.2196/14447. PubMed PMID: 31482854; PubMed Central PMCID: PMC6751098.
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- 08 De Clifford-Faugère G, **Lavallée A**, Aita M. Prise en charge non-pharmacologique de la douleur des nouveau-nés prématurés: quelles interventions? *Douleur Analgésie*. 2018;31(4):212-216. doi: 10.3166/dea-2018-0037.
- 07 Aita M, De Clifford-Faugère G, **Lavallée A**. Mieux contrôler l'environnement physique néonatal des prématurés. *Cah Puéricultrice*. 2018;55(316):12-14. doi: 10.1016/j.cahpu.2018.02.002.
- 06 **Lavallée A**, De Clifford-Faugère G, Matte C, Aita M. Effets bénéfiques du positionnement sur le développement du nouveau-né prématuré. *Cah Puéricultrice*. 2018;55(316):15-18. doi: 10.1016/j.cahpu.2018.02.003.
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- 02 Hupé C, **Lavallée A**. Internal and external validity of Chen et al.'s nursing-sensitive quality indicators for the neonatal intensive care unit. *J Clin Nurs*. 2017 Dec;26(23-24):e6-e7. doi: 10.1111/jocn.13956. Epub 2017 Aug 30. PubMed PMID: 28699255.
- 01 **Lavallée A**, Aita M, Bourbonnais A, De Clifford-Faugère G. Effectiveness of early interventions for parental sensitivity following preterm birth: a systematic review protocol. *Syst Rev*. 2017 Mar 23;6(1):62. doi: 10.1186/s13643-017-0459-x. PubMed PMID: 28335806; PubMed Central PMCID: PMC5364600.

### Published Conference Abstracts

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**Lavallée A**, Warmingham J, Ahmed I, Atwood G, Kyle M, Hussain M, Arduin E, Xu R, Shearman N, Firestein M, Lanoff M, Dumitriu D. P870. Preliminary evidence of the unique contribution of three early relational health constructs at 4 months to child neurodevelopmental and socioemotional outcomes at 2 to 3 years of age. *Neuropsychopharmacology*. 2024;49(Suppl 1):418–594. doi: 10.1038/s41386-024-02013-y. ACNP 63rd Annual Meeting: Poster Abstracts.

**Lavallée A**, De Clifford-Faugère G, Aita M. Effectiveness of interventions on parental sensitivity, infant neurodevelopment and parental stress in the NICU: results from a systematic review & meta-analysis. *Pediatr Child Health*. 2018;24(Suppl 2). doi: 10.1093/pch/pxz066.119.

De Clifford-Faugère G, **Lavallée A**, Khadra C, Aita M. A systematic review of olfactive stimulation interventions to manage procedural pain in preterm and full-term neonates. *Can J Pain*. 2018;2(1):A71–A184. doi: 10.1080/24740527.2018.1476313.

**Lavallée A**, De Clifford-Faugère G, Fernandez Oviedo AN, Garcia C, Héon M, Aita M. Neuroprotective developmental care: state of knowledge and implications for practice. *J Pediatr Neonat Individ Med*. 2017;6(2):27. doi: 10.7363/060248.

De Clifford-Faugère G, **Lavallée A**, Aita M. Is breast milk odor appropriate to manage pain in preterm neonates? *J Pediatr Neonat Individ Med*. 2017;6(2):35–36. doi: 10.7363/060248.

Aita M, Stremler R, Feeley N, **Lavallée A**, De Clifford-Faugère G. A systematic review of the effectiveness of interventions during NICU hospitalization on the short-term neurodevelopment of preterm infants. *J Pediatr Neonat Individ Med*. 2017;6(2):45–46. doi: 10.7363/060248.

## Book Chapters

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Cashion K, Lortie K, Carpentier K, Pépin C, **Lavallée A**, de Clifford-Faugère G. Évaluation fœtale pendant le travail. In: Lowdermilk DL, Perry SE, Cashion K, editors. *Soins infirmiers : périnatalité*. Montréal, Québec: Chenelière Éducation; 2019.

Alden CR, Gervais C, de Montigny F, **Lavallée A**, de Clifford-Faugère G. Adaptation au rôle de parent. In: Lowdermilk DL, Perry SE, Cashion K, editors. *Soins infirmiers : périnatalité*. Montréal, Québec: Chenelière Éducation; 2019.

## Thesis

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**Lavallée A**. Développement et étude pilote randomisée d'une intervention infirmière de participation guidée au positionnement (GP\_Posit) pour mères de nouveau-nés prématurés [doctoral dissertation]. Montréal: Université de Montréal; 2020. Available from: <http://hdl.handle.net/1866/26002>

## Invited Talks

**Lavallée A**. Early Relational Health: Lessons Learned from the COMBO Initiative. Columbia University School of Nursing (CUSON) doctoral seminar, Columbia University Irving Medical Center, New York, USA; 2025 Dec.

**Lavallée A**. Leveraging implementation science in the COMBO Initiative. Research in Implementation Science for Healthcare Engagement, Effectiveness and Equity (RISE<sup>3</sup>) Lab, McGill University, Montreal, Canada; 2025 Sep.

**Lavallée A**. Mother-infant emotional connection to promote child development. International seminar: Early interactions and resilience to stress, Santiago, Chile; 2025 Sep.

**Lavallée A**. Parent-child dyadic early relational health: Results from a systematic review and overview of the emotional synchrony scale. ezPreemie Journal Club Meeting, College of Nursing, The Ohio State University (OSU), Ohio, USA; 2024 Aug.

**Lavallée A**. Early Relational Health (ERH): Results from a meta-analysis and overview of the COMBO Initiative. Conte Center, University of California, Irvine (UCI), California, USA; 2024 Jun.

**Lavallée A**. Introduction to meta-analyses and meta-regressions. Webinar – Quebec Network on Nursing Intervention Research (RRISIQ), Montreal, Canada; 2024 Jan.

**Lavallée A**. Parent-child dyadic early relational health: Results from a systematic review and overview of the emotional synchrony scale. Webinar – Universidad del Desarrollo, Chile; 2023 Dec.

## Chaired Symposiums

**Lavallée A**, Dumitriu D. The science of human connection: neural synchrony, network dynamics, and public health. Symposium accepted for: International Behavioral Neuroscience Society (IBNS) 35th Annual Meeting; 2026 Jun; Cape Town, South Africa.

**Lavallée A**, Dumitriu D. Neural and behavioral dynamics of human social connectedness and wellbeing in caregiver-child dyads. Symposium presented at: International Behavioral Neuroscience Society (IBNS) 34th Annual Meeting; 2025 Jun; Tromso, Norway.

## Oral Presentations

*\*Trainee or mentee as 1<sup>st</sup> author*

## International meetings

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**Lavallée A**, Warmingham J, Ahmed I, Atwood G, Kyle M, Arduin E, Xu R, Shearman N, Firestein M, Lanoff M, Dumitriu D. Unique contribution of early relational health constructs at 4 months to child neurodevelopmental outcomes at 2 years of age. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, USA.

McCormack C, Lanoff M, Fuller K, Moore D, Greeman E, Isado M, Hafeez M, **Lavallée A**, Warmingham JM, Monk C, Marsh R, Dumitriu D, Hall K. Low trust, high barriers: Compounding impacts of structural racism and social determinants of health on perinatal mental health in the early COVID-19 pandemic. Presented at: The International Marcé Society for Perinatal Mental Health Bi-Annual Meeting; 2024 Sep; Barcelona, Spain.

Firestein M, Kyle M, Ahmed I, Arduin E, **Lavallée A**, Fifer W, Shuffrey L, Dumitriu D. Prenatal SARS-CoV-2 exposure, birth timing during the pandemic, and neurodevelopment. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, USA.

**Lavallée A**, Warmingham J, Reimers M, Kyle M, Hussain M, Austin J, Lee S, Barker T, Ettinger S, Dumitriu D. Adaptation and criterion validity of the postpartum bonding questionnaire (PBQ) for administration in the United States. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

**Lavallée A**, Pang L, Warmingham J, Atwood G, Ahmed I, Lanoff M, Finkel MA, Xu R, Arduin E, Hamer K, Fischman R, Ettinger S, Hu Y, Fisher K, Greeman E, Kuromaru M, Durr S, Flowers E, Gozali A, Willis D, Dumitriu D. Early dyadic parent/caregiver-infant interventions to support early relational health: A meta-analysis. Presented at: 18th World Congress for the World Association for Infant Mental Health (WAIMH); 2023 Jul; Dublin, Ireland.

Warmingham J, **Lavallée A**, Lanoff M, Atwood G, Austin J, Hussain M, Kyle M, Dumitriu D. Birth experience and mother-infant early relational health among mothers with and without COVID-19 during pregnancy. Presented at: 18th World Congress for the World Association for Infant Mental Health (WAIMH); 2023 Jul; Dublin, Ireland.

**Lavallée A**, Pang L, Warmingham J, Atwood G, Ahmed I, Lanoff M, Finkel MA, Xu R, Arduin E, Hamer K, Fischman R, Ettinger S, Hu Y, Fisher K, Greeman E, Durr S, Flowers E, Gozali A, Willis D, Dumitriu D. Early dyadic parent/caregiver-infant interventions to support early relational health: A meta-analysis. Presented at: Pediatric Academic Societies (PAS); 2023 Apr; Washington, DC, USA.

Lavoie P, Lapierre A, Maheu-Cadotte M-A, Rodriguez D, **Lavallée A**, Mailhot T. Revue de la portée sur la formation des infirmier(ère)s et des sage-femmes en matière d'hémorragie. Présentation orale. 8e congrès mondial du Secrétariat international des infirmières et infirmiers de l'espace francophone (SIDIIEF); 2022 Oct 16–20; Ottawa, Canada.

**Lavallée A**, Héon M, Aita M, De Clifford-Faugère G, Laporte G, Boisvert A, Saives A, Feeley N. Identifying the extent of specific nursing developmental care interventions for preterm infants in the neonatal intensive care unit: A systematic scoping review. Presented at: 4th Congress of the joint European Neonatal Societies; 2021 Sep; Online.

De Clifford-Faugère G, Aita M, Feeley N, Colson S, **Lavallée A**. Pratiques infirmières liées aux soins de développement des nouveau-nés prématurés dans les unités néonatales québécoises. Presented at: 7e congrès mondial des infirmières et infirmiers francophones (SIDIIIEF); 2018 Jun; Bordeaux, France.

**Lavallée A**, Aita M. Intervention for parental participation in preterm infant's positioning for neurological development and parental sensitivity: A pilot study. Presented at: 28th Annual Meeting of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC); 2017 Jun; Lisbon, Portugal.

**Lavallée A**, De Clifford-Faugère G, Fernandez Oviedo AN, Garcia C, Héon M, Aita M. Les soins de développement afin de soutenir le développement neurologique des prématurés: État actuel des connaissances. Presented at: 85e congrès de l'ACFAS; 2017 May; Montréal, Canada.

**Lavallée A**, Aita M, De Clifford-Faugère G. Revue systématique d'interventions pour favoriser la sensibilité parentale de parents de nouveau-nés prématurés lors de l'hospitalisation à l'unité néonatale. Presented at: 85e congrès de l'ACFAS; 2017 May; Montréal, Canada.

Aita M, Stremler R, Feeley N, **Lavallée A**, De Clifford-Faugère G. Efficacité d'interventions sur le neurodéveloppement des nouveau-nés prématurés lors de l'hospitalisation à l'unité néonatale. Presented at: 85e congrès de l'ACFAS; 2017 May; Montréal, Canada.

De Clifford-Faugère G, Aita M, **Lavallée A**. Efficacité des interventions de stimulation olfactive pour soulager la douleur des nouveau-nés prématurés: une revue systématique. Presented at: 85e congrès de l'ACFAS; 2017 May; Montréal, Canada.

Gendron S, Richard L, Bielinski N, Ferrada-Videla M, **Lavallée A**. Nursing evaluation practice of social dimensions of health to promote health and equity for young adults/parents. Presented at: 22nd IUHPE Conference on Health Promotion; 2016 May; Curitiba, Brazil.

## National meetings

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Aita M, Stremler R, Feeley N, **Lavallée A**, De Clifford-Faugère G. Effectiveness of interventions on preterm infants early neurodevelopment: Systematic review and meta-analysis. Presented at: 33rd Annual Gravens Conference; 2020 Feb; Florida, USA.

Maheu-Cadotte MA, Cossette S, Dubé V, Fontaine G, Mailhot T, Lavoie P, **Lavallée A**, Deschênes MF. Efficacy of serious games and influence of design elements in healthcare education. Presented at: Online Learning 2019; 2019 Oct; Toronto, Canada.

Maheu-Cadotte MA, Cossette S, Dubé V, Fontaine G, Mailhot T, Lavoie P, **Lavallée A**, Deschênes MF. Résultats d'une revue systématique quant à l'efficacité des jeux vidéo sérieux dans la formation des professionnels de la santé. Presented at: Canadian Nursing Informatics Association Conference 2019; 2019 Jun; Fredericton, Canada.

Fontaine G, Maheu-Cadotte MA, **Lavallée A**, Mailhot T, Rouleau G, Bouix-Picasso J, Bourbonnais A. What are the strategies used by health researchers to communicate their findings to the public in the digital and social media ecosystem? Results from a scoping review. Presented at: Conférence scientifique 2019 de l'Association canadienne pour la recherche sur les services et les politiques de santé (ACRSPS); 2019; Halifax, Nova Scotia, Canada.

## Poster Presentations

*\*Trainee or mentee as 1<sup>st</sup> author*

## International meetings

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**Lavallée A**, Manning Q, Bryan L, Hendry H, Curtin A, Warmingham J, Shearman N, Chavez V, Owen J, Fuller K, Leon-Mateo Y, Matei E, Curtin P, Dumitriu D. Body maps of maternal inner-body sensations associated with

low to high mother-child face-to-face emotional synchrony. Presented at: 58th Annual Meeting of the International Society for Developmental Psychobiology; 2025 Nov; San Diego, USA. Poster presentation.

Shearman N\*, Rodriguez C, Lanoff M, Russo J, Warmingham J, **Lavallée A**, Ruby S, Dumitriu D. The virtual strange situation: assessing infant-caregiver attachment in naturalistic settings. Presented at: 58th Annual Meeting of the International Society for Developmental Psychobiology; 2025 Nov; San Diego, USA. Poster presentation.

Owen J\*, Warmingham JM, Curtin P, **Lavallée A**, Hendry H, Fuller K, Shearman N, Arduin E, Russo J, Dumitriu D. Buffering effect of early relational health in infancy on emerging psychopathology in toddlerhood. Presented at: 58th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2025 Jun; San Diego, USA. Poster presentation.

**Lavallée A**, Warmingham J, Ahmed I, Atwood G, Kyle M, Hussain M, Arduin E, Xu R, Shearman N, Firestein M, Lanoff M, Dumitriu D. Unique contribution of early relational health to child developmental outcomes. Presented at: 2025 Pediatric Academic Societies (PAS) Meeting; 2025 Apr; Hawaii, USA. Poster presentation.

Owen J\*, Warmingham JM, Espinoza-Barría M, **Lavallée A**, Arduin E, Xu R, Fernández CR, Dumitriu D. Testing the impact of maternal childhood maltreatment and food insecurity on childhood development and emerging psychopathology in preschoolers born during the COVID-19 pandemic. Poster presented at: 96th Pediatric Academic Societies Meeting; 2025 Apr; Honolulu, HI, USA.

Shearman N\*, **Lavallée A**, Erickson E, Amati JB, Preiss D, Warmingham J, Arduin E, Young J, Sperling J, Shearman N, Willis D, Nakura H, Dumitriu D. Lens of emotional connection: efficacy of a 40-minute training to screen early relational health. Poster presented at: Pediatric Academic Societies Meeting; 2025 Apr 24–28; Honolulu, HI, USA. Accepted for presentation.

Owen J\*, Warmingham J, Espinoza M, Gigliotti-Manassis A, **Lavallée A**, Arduin E, Xu R, Dumitriu D. Determinants of maternal resilience and bonding in the postpartum period: testing the impact of maternal childhood adversity and perinatal intimate partner violence. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, IL, USA.

Shearman N\*, Fuller K, Hyun J, Lanoff M, Ahmed I, **Lavallée A**, Espinoza-Heredia C, Amso D, Dumitriu D. Early emotional connection as a predictor of maternal entropy: insights into mother-child dyadic emotional health. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, IL, USA.

Warmingham J, Fernandez C, Bustos N, Smotrich G, More D, Arduin E, Xu R, **Lavallée A**, Monk C, Dumitriu D, Marsh R. Effects of prenatal SARS-CoV-2 exposure, postnatal maternal stress, and food insecurity on early emerging childhood psychopathology symptoms. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, IL, USA.

Chaves V\*, Arduin E, Ahmed I, **Lavallée A**, Firestein M, Kyle M, Dumitriu D. Screen exposure and infant neurodevelopment at 24 months in the COVID-19 Mother Baby Outcomes (COMBO) Initiative. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, IL, USA.

Espinoza M\*, Warmingham JM, **Lavallée A**, Owen J, Babineau V, Silva J, Dumitriu D. Intergenerational transmission of maternal childhood maltreatment to child socioemotional outcomes: the role of dyadic emotional synchrony as a mediator. Presented at: 57th Annual Meeting of the International Society for Developmental Psychobiology (ISDP); 2024 Oct; Chicago, IL, USA.

Fuller K\*, Lanoff M, **Lavallée A**, Warmingham J, Arduin E, More D, Greeman E, Isado M, Hafeez M, Sanders Z, Kyle M, Rodriguez C, Alvarez D, Quincoses C, McCormack C, Hall K, Dumitriu D. Mothers' perspectives on

their early relationships with infants: a mixed methods study. Presented at: The International MARCÉ Society 2024 Conference; 2024 Sep; Barcelona, Spain.

Aita M, Laporte G, Breton-Piette A, De Clifford-Faugère G, **Lavallée A**, Le May S, Altit G, Larone Juneau A, Remmer E, Lippé S, Tremblay S, Héon M. Neonatal nurses' acceptability and feasibility of the NeuroN-QI intervention. Presented at: 33rd Annual Meeting of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC); 2024 Jun 11-14; Rome, Italy.

**Lavallée A**, Manning JQ, Greeman E, Xu R, Shearman N, Arduin E, Espinoza M, Dumitriu D. Behavioral correlates of parent-infant dyadic emotional synchrony and child socioemotional development. Presented at: Federation of European Neuroscience Societies (FENS) Forum 2024; 2024 Jun; Vienna, Austria.

Arduin E\*, Warmingham J, Chaves V, Fuller K, Hyman S, Rodriguez C, Matei E, Hodson S, Owen J, Greeman E, Xu R, **Lavallée A**, Papirmeister R, Gani K, Ahmed I, Lanoff M, Dumitriu D. Remote assessment of challenge-seeking and perseverance in 3-year-olds [Poster Abstract]. Presented at: International Behavioral Neuroscience Society (IBNS) 33rd Annual Meeting; 2024 Jun; Panama City, Panama.

Ahmed I\*, **Lavallée A**, Firestein M, Chaves V, Kyle MH, Shuffrey L, Dumitriu D. Assessment of neurodevelopment in two-year-old toddlers born to mothers with and without SARS-CoV-2 infection during pregnancy in the COMBO Initiative. Presented at: International Behavioral Neuroscience Society (IBNS) 33rd Annual Meeting; 2024 Jun; Panama City, Panama.

**Lavallée A** Manning JQ, Greeman E, Xu R, Shearman N, Arduin E, Espinoza M, Dumitriu D. Investigating behavioral correlates of dyadic emotional synchrony during face-to-face interactions. Presented at: International Behavioral Neuroscience Society (IBNS) 33rd Annual Meeting; 2024 Jun; Panama City, Panama.

Chaves V\*, Ahmed I, Arduin E, Warmingham JM, **Lavallée A**, Firestein MR, Kyle M, Dumitriu D. Effects of prenatal SARS-CoV-2 infection on postpartum cognitive functioning among women enrolled in the COVID-19 Mother Baby Outcomes. Presented at: International Behavioral Neuroscience Society (IBNS) 33rd Annual Meeting; 2024 Jun; Panama City, Panama.

Warmingham J, Fuller K, Owen J, **Lavallée A**, Lanoff M, Ahmed I, Arduin E, Xu R, Monk C, Dumitriu D. Inter-partner conflict in the perinatal period: implications for maternal postpartum depression and child socioemotional development at 24 months. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

Fuller K\*, Owen J, Warmingham J, Arduin E, Xu R, Lanoff M, Chaves V, Ahmed I, **Lavallée A**, Dumitriu D. Inter-partner conflict tactics and the socioemotional functioning of pandemic-born three-year-olds. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

Xu R\*, Warmingham J, **Lavallée A**, Arduin E, Lanoff MR, Dumitriu D. Family resilience as a moderator for adverse childhood experiences during the COVID-19 pandemic and child well-being at 36 months in the COMBO Initiative. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

Ahmed I\*, Yu M, Xu R, Chaves V, Kyle MH, Hussain M, **Lavallée A**, Fisher K, Merriman ET, Rodriguez C, Dumitriu D, Lalwani L. Longitudinal risk of hearing loss in the first three years of life in children with intrauterine exposure to COVID-19: results from the COMBO cohort. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

Arduin E\*, Warmingham J, Hyman S, Xu R, Ahmed I, **Lavallée A**, Lanoff M, Dumitriu D. Influence of maternal grit and parenting style on maternally-rated child grit at 36 months. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

Warmingham JM, Fuller K, Owen J, **Lavallée A**, Lanoff M, Ahmed I, Arduin E, Xu R, Chaves V, Monk C, Dumitriu D. Inter-partner conflict in the perinatal period: implications for maternal postpartum depression and child socioemotional development at 24 months. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

Fuller K\*, Owen J, Warmingham JM, Arduin E, Xu R, Lanoff M, Chaves V, Ahmed I, **Lavallée A**, Dumitriu D. Inter-partner conflict tactics and socioemotional functioning in pandemic-born three-year-olds. Presented at: 2024 Pediatric Academic Societies (PAS) Meeting; 2024 May; Toronto, Canada.

**Lavallée A**, Manning JQ, Reimers MA, Moore M, Kyle MH, Hussain M, Xu R, McKiernan M, Arduin E, Kuromaru M, Greeman E, Dumitriu D. Mechanistic investigation of dyadic emotional connection: the emotional connection screen. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Firestein MR, Warmingham J, Manassis A, Shuffrey L, **Lavallée A**, Kyle MH, Hussain M, Austin J, Marsh R, Fifer W, Monk C, Dumitriu D. Maternal SARS CoV-2 infection during pregnancy and autism risk scores at 16 to 30 months of age. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Warmingham JM, Chaves V, **Lavallée A**, Hussain M, Kurman G, Kyle M, Dumitriu D. Maternal COVID-19 infection impacts the intergenerational transmission of cognitive functioning in the postpartum period: results from the COVID-19 Mother-Baby Outcomes Initiative. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Chaves V\*, Kyle MH, Warmingham JM, **Lavallée A**, Ahmed I, Hyman S, Atwood G, Kurman G, Dumitriu D. Longitudinal associations between maternal cognition and infant cognition in a subsample of the COVID-19 Mother Baby Outcomes (COMBO) Initiative. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Manning JQ\*, **Lavallée A**, Kyle MH, Hussain M, Reimers M, Moore M, Dumitriu D. Evaluating the effects of active digital devices on dyadic attraction using eye contact detection machine learning. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Manassis A, Warmingham JM, Shuffrey L, **Lavallée A**, Kyle MH, Hussain M, Dumitriu D. No difference in autism screening scores for infants born before or during the COVID-19 pandemic. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Ahmed I\*, **Lavallée A**, Firestein M, Kyle MH, Hussain M, Shuffrey L, Hu Y, Rodrigues C, Fisher K, Kurman G, Chaves V, Hodson S, Fischman R, Dumitriu D. Observer-based assessment of neurodevelopment in two-year-old toddlers born to mothers with and without documented SARS-CoV-2 infection during pregnancy. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

Xu R\*, **Lavallée A**, Warmingham JM, Arduin ED, Kyle MH, Hussain M, Dumitriu D. Significant evidence of association between maternal COVID-19 infection during pregnancy and better postpartum mental health. Presented at: Society for Neuroscience (SfN) Annual Meeting; 2023 Nov; Washington, D.C., USA.

**Lavallée A**, Atwood G, Manning JQ, Kyle M, Hussain M, McKiernan M, Austin MA, Preter B, Moore M, Rermers MA, Dumitriu D. Dyadic parent/caregiver-infant emotional connection: what is the 'unit of time'? Presented at: International Behavioral Neuroscience Society (IBNS) Annual Meeting; 2023 Jul; Utrecht, The Netherlands.

Ahmed I\*, **Lavallée A**, Kyle M, Austin J, Firestein M, Shuffrey L, Xu R, Atwood G, Rodriguez C, Barbosa J, Hott V, Alvarez D, Fisher K, Kyler M, Chang S, Coskun L, Lanoff MR, Kurman G, Lopez H, Mollicone I, Hu Y, Bence M, Romero MT, Ettinger S, Smotrich G, McKiernan M, Merriman E, Mace W, Dumitriu D. Associations between early relational health and infant socioemotional functioning in the first two years of life in the COMBO

cohort. Presented at: International Behavioral Neuroscience Society (IBNS) Annual Meeting; 2023 Jul; Utrecht, The Netherlands.

Lanoff M, Kyle M, Warmingham J, **Lavallée A**, Austin J, Hussain M, Dumitriu D. Labor and delivery characteristics impact birth experience and maternal anxiety at 4 months postpartum among mothers enrolled in the COMBO cohort. Presented at: International Behavioral Neuroscience Society (IBNS) Annual Meeting; 2023 Jul; Utrecht, The Netherlands.

**Lavallée A**, Warmingham J, Hussain M, Kyle M, Austin J, Firestein M, Shuffrey L, Ahmed I, Atwood G, Rodriguez C, Barbosa J, Hott V, Alvarez D, Fisher K, Kyler M, Chang TL, Coskun L, Lanoff M, Kurman G, Tzul Lopez H, Mollicone I, Hu Y, Bence M, Tejada Romero M, Ettinger S, Smotrich G, McKiernan M, Dumitriu D. No evidence of association between in utero SARS-CoV-2 exposure, early relational health and infant socioemotional development. Presented at: International Behavioral Neuroscience Society (IBNS) Annual Meeting; 2023 Jun; Niagara Falls, Canada.

Arduin A\*, **Lavallée A**, Warmingham J, Kyle M, Hussain M, Shuffrey L, Firestein M, Rodriguez C, Barbosa J, Hott V, Fisher K, Kyler M, Chang TL, Coskun L, Lanoff M, Dumitriu D. Maternal resilience as a potential moderator of an association between maternal stress and infant social-emotional development at 6 months. Presented at: International Behavioral Neuroscience Society (IBNS) Annual Meeting; 2023 Jun; Niagara Falls, Canada.

Ahmed I\*, **Lavallée A**, Kyle M, Hussain M, Austin J, Firestein M, Shuffrey L, Xu R, Atwood G, Rodriguez C, Barbosa J, Hott V, Alvarez D, Fisher K, Kyler M, Chang TL, Coskun L, Lanoff M, Kurman G, Lopez H, Mollicone I, Hu Y, Bence M, Romero M, Ettinger S, Smotrich G, McKiernan, Dumitriu D. No evidence of association between early relational health and infant socioemotional functioning at 6- and 18-months. Presented at: International Behavioral Neuroscience Society (IBNS) Annual Meeting; 2023 Jun; Niagara Falls, Canada.

**Lavallée A**, Austin J, Hussain M, Kyle M, Firestein MR, Shuffrey L, Warmingham J, Ahmed I, Ettinger S, McKiernan M, Dumitriu D. Associations between maternal SARS-CoV-2 infection, early relational health and infant socio-emotional functioning. Presented at: International Society for Developmental Psychobiology (ISDP) Annual Meeting; 2022 Nov; San Diego, USA.

**Lavallée A**, Aita M, Grou B, Larone Juneau A, Reichherzer M, Bizier N. Translating research into practice: strategies used to increase nurses' knowledge about the importance of the parent-infant relationship and how to enhance it daily in a Canadian NICU. Presented at: 4th Congress of the Joint European Neonatal Societies (jENS); 2021 Sep; Virtual.

Aita M, Héon M, Altit G, Dorval V, Lippé S, Le May S, Rennick J, **Lavallée A**, De Clifford Faugère G, Larone Juneau A, Remmer E. A pilot randomized clinical trial of nurturing and quiet intervention (NeuroN-QI) on preterm infants' and maternal outcomes. Presented at: European Society of Pediatric and Neonatal Intensive Care (ESPNIC) Virtual Congress; 2021 Jun; Virtual.

Grou B, **Lavallée A**, Verdon C, Aita M. Stress in the neonatal unit: nurses, parents and infants' perspectives. Presented at: 7e congrès de l'European Academy of Pediatric Societies (EAPS); 2018 Nov; Paris, Canada.

**Lavallée A**, Aita M, Côté J, Bell L, Luu TM. Développement d'une intervention pour favoriser la sensibilité parentale de parents de prématurés. Presented at: 7e congrès mondial des infirmières et infirmiers francophones (SIDIEF); 2018 Jun; Bordeaux, Canada.

Maheu-Cadotte M-A, Fontaine G, **Lavallée A**, Bouix-Picasso J, Bourbonnais A. Stratégies pour optimiser la communication scientifique entre les chercheurs et le grand public. Presented at: 7e congrès mondial des infirmières et infirmiers francophones (SIDIEF); 2018 Jun; Bordeaux, Canada.

Aita M, Stremler R, Feeley N, **Lavallée A**, De Clifford-Faugère G. A systematic review of the effectiveness of interventions during NICU hospitalization on the short-term neurodevelopment of preterm infants. Presented at: 2nd Congress of the Joint European Neonatal Societies (jENS); 2017 Oct; Venice, Italy.

**Lavallée A**, De Clifford-Faugère G, Garcia C, Fernandez Oviedo AN, Héon M, Aita M. Neuroprotective developmental care: state of knowledge and implications for practice. Presented at: 2nd Congress of the Joint European Neonatal Societies (jENS); 2017 Oct; Venice, Italy.

De Clifford-Faugère G, **Lavallée A**, Aita M. Is breast milk odor appropriate to manage pain in preterm neonates? Presented at: 2nd Congress of the Joint European Neonatal Societies (jENS); 2017 Oct; Venice, Italy.

Aita M, Héon M, **Lavallée A**, De Clifford-Faugère G, Garcia C, Fernandez Oviedo AN. Key interventions to enhance preterm infants' neurobehavioral development in the NICU: guiding an evidence-based neonatal clinical practice [poster presentation]. Presented at: 28th Annual Meeting of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC); 2017 Jun; Lisbon, Portugal.

De Clifford-Faugère G, Aita M, **Lavallée A**. Effectiveness of olfactive stimulation for managing procedural pain in preterm and full-term neonates: a systematic review [poster presentation]. Presented at: 28th Annual Meeting of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC); 2017 Jun; Lisbon, Portugal.

## **National meetings**

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**Lavallée A**, Warmingham J, Ahmed I, Atwood G, Kyle M, Hussain M, Arduin E, Xu R, Shearman N, Firestein M, Lanoff M, Dumitriu D. Preliminary evidence of the unique contribution of three early relational health constructs at 4 months to child neurodevelopmental and socioemotional outcomes at 2 to 3 years of age. Presented at: 63rd Annual Meeting of the American College of Neuropsychopharmacology (ACNP); 2024 Dec; Phoenix, USA. Poster presentation.

De Clifford-Faugère G, **Lavallée A**, Rioux E, Laporte G, Aita M. Systematic review of neurodevelopmental outcomes of preterm infants who have experienced pain. Presented at: 33rd Annual Gravens Conference on the Environment of Care for High Risk Newborns; 2023 Mar; Florida, USA. Poster presentation.

Malik F, **Lavallée A**, Hane A, Litsas DC, O'Banion D, Gong AK, Needlman R, Welch MG. Measuring parents' emotions, attitudes, and behavioral responses to temper tantrums. Presented at: Pediatric Academic Societies (PAS) Meeting; 2022 Apr; Denver, Colorado, USA. Poster presentation.

**Lavallée A**, Aita M. Feasibility and acceptability of a very early nursing intervention guiding mothers to interact with their preterm infant while participating in their care and positioning (GP\_Posit) in the NICU. Presented at: Canadian National Perinatal Research Meeting (CNPRM); 2021 Feb; Online. Poster presentation.

**Lavallée A**, Aita M, Grou B. Feasibility and acceptability of a nursing intervention guiding mothers to interact with their preterm infant while participating in their care and positioning (GP\_Posit): results of a pilot parallel-group randomised controlled trial. Presented at: 33rd Annual Gravens Conference; 2020 Mar; Florida, USA. Poster presentation.

De Clifford-Faugère G, **Lavallée A**, Khadra C, Ballard A, Aita M. Meta-analysis on olfactive stimulation interventions for managing procedural pain in neonates. Presented at: 33rd Annual Gravens Conference; 2020 Mar; Florida, USA. Poster presentation.

**Lavallée A**, De Clifford-Faugère G, Aita M. Effectiveness of interventions on parental sensitivity, infant neurodevelopment and parental stress in the NICU: results from a systematic review and meta-analysis. Presented at: 96th Canadian Pediatric Society (CPS) Annual Conference; 2019 Jun; Toronto, Canada. Poster presentation.

De Clifford-Faugère G, **Lavallée A**, Khadra C, Ballard A, Aita M. Systematic review of olfactory stimulation intervention to manage pain in preterm and full-term neonates. Presented at: 39e Conférence scientifique annuelle de la Société Canadienne de Douleur; 2018 May; Montréal, Canada. Poster presentation.

**Lavallée A**, Aita M, De Clifford-Faugère G, Fernandez Oviedo AN, Goulet C. Nurses' knowledge and practices related to clustering of care: a 15-year perspective. Presented at: 31st Annual Gravens Conference; 2018 Mar; Florida, USA. Poster presentation.

**Lavallée A**, Aita M, Côté J, Bell L, Luu TM. Guided participation and e-based intervention for maternal participation in their preterm infant's positioning (GP\_Posit): a randomized pilot trial protocol. Presented at: 31st Annual Gravens Conference; 2018 Mar; Florida, USA. Poster presentation.

De Clifford-Faugère G, **Lavallée A**, Caux C, Dallaire A, Aita M. Nurses' role regarding neonatal resuscitation: an ethical reflection. Presented at: 31st Annual Gravens Conference; 2018 Mar; Florida, USA. Poster presentation.

**Lavallée A**, Aita M. Family support program to promote parental sensitivity. Presented at: 30th Annual Gravens Conference; 2017 Mar; Florida, USA. Poster presentation.

**Lavallée A**, Aita M. Systematic review of interventions for parental sensitivity following preterm birth. Presented at: 4th Canadian National Perinatal Research Meeting (CNPRM); 2017 Feb; Montebello, Canada. Poster presentation.

**Lavallée A**, Aita M. Systematic review of interventions for preterm infants parents' sensitivity. Presented at: Council of International Neonatal Nurses Conference (COINN); 2016 Aug; Vancouver, Canada. Poster presentation.

**Lavallée A**, Aita M. Motor development: positioning the preterm infant. Presented at: Council of International Neonatal Nurses Conference (COINN); 2016 Aug; Vancouver, Canada. Poster presentation.

## Media

Doctoral program promotional video: [https://youtu.be/CYCKrPXijgA?si=TvsnuPgZB0\\_ZjvVv](https://youtu.be/CYCKrPXijgA?si=TvsnuPgZB0_ZjvVv)  
Faculty of Nursing, Université de Montréal