

SELECTED CURRENT AND PAST LEADERSHIP POSITIONS

2022- **Scientific Director**, AVA (Alliance against Violence & Adversity) CIHR Health Research Training Platform
 2020-2 **Chair**, College of Registered Nurses of Alberta
 2020-2 **Director**, Canadian Nurses Association
 2019- **Scientist**, Mathison Centre for Mental Health Research & Hotchkiss Brain Institute, University of Calgary
 2017- **Professor**, Cumming School of Medicine, Community Health Sciences, University of Calgary
 2015 **Inaugural Director**, Owerko Centre for Children's Neurodevelopment and Mental Health
 2014- **Professor**, Cumming School of Medicine (Psychiatry, cross-appointment), University of Calgary
 2012- **Director**, RESOLVE (Research and Education to Solutions to Violence and Abuse) Alberta, University of Calgary
 2012- **Professor**, Cumming School of Medicine (Pediatrics, cross-appointment), University of Calgary
 2011- **Scientist**, Alberta Children's Hospital Research Institute for Child and Maternal Health, full member
 2011- **Full Professor** (tenured since 2007), Faculty of Nursing, University of Calgary

ACADEMIC QUALIFICATIONS	DEGREE	YEARS	FIELD OF STUDY
University of New Brunswick (UNB), Fredericton, NB, Canada	BN	1987-1991	Nursing
University of Alberta (UofA), Edmonton, AB, Canada	MN	1992-1994	Nursing
UofA Nursing, Edmonton, AB, Canada	PhD	1994-1998	Philosophy in Nursing
UofA Health Promotion, Edmonton, AB and UNB Canadian Research Institute for Health Policy, Fredericton, NB, Canada	PDF	1999-2003	Post-Doctoral Research Fellow

DISSEMINATION: TRADITIONAL (cited more than 8000 times as per Google Scholar)		N
Peer-reviewed Publications	Published/accepted/in press	225
	Manuscripts submitted for review	8
	Peer Reviewed Publications of large teams	23
Books	Published	3
Book Contributions	Published	41
Guest Edited Journals	Published/in press	3
Presentations	Peer-reviewed presentations & published abstracts	376
	Invited	187

PUBLICATIONS SELECTED FROM 2016-2022

5 YEAR: 16/80 SHOWN *Student/Trainee, ^{SA}=senior author

225. Moore, S., Merrill, S., Sekhon, B., Kobor, M., Giesbrecht, G., & **Letourneau^{SA}**, N. (2022). Infant DNA Methylation: An early indicator of intergenerational trauma? *Early Human Development*, 164,105519.
221. **Letourneau**, N., Ali, E., Aghajafari, F., Bell, R., Deane, A., Dewey, D., ... & APrON Study Team (2022). The Alberta Pregnancy Outcomes and Nutrition Cohort Study (APrON): Cohort profile and key findings from the first three years. *BMJ Open*, 12, e047503.
218. Duffett-Leger, L., Tryphonopoulos, P., MacKay, L., Beck, A., Moshipour, M., Poelzer, K., ... & **Letourneau^{SA}**, N. (accepted). User-engaged design in the adaptation of VID-KIDS Home Visiting Program for virtual delivery in the context of COVID-19. *International Journal of Technology, Knowledge, & Society*.
212. **Letourneau**, N., Ntanda, H., Mahinpey, N., & Jong, V. Giesbrecht, G., Ross, K.* (2021). Prenatal maternal distress and immune cell epigenetic profiles at 3-months of age. *Developmental Psychobiology*, 63, 973-984.
208. Ross*, K., Cole, S., Sanghera, H., Anis, L., Hart, M., & **Letourneau^{SA}**, N. (2021). ATTACH Intervention and improved immune cell gene expression profiles in mothers and children: A randomized-control trial. *Brain, Behavior, and Immunity – Health*, 18, 100358.
202. Merrill*, S., Moore, S., Gladish, N., Giesbrecht, G., Dewey, D., Konwar, C., Maclsaac, J., Kobor, M., & **Letourneau^{SA}**, N. (2021). Paternal adverse childhood experiences: Associations with infant DNA methylation. *Developmental Psychobiology*, 63, e22174.
198. Merrill*, S., Gladish, N. Fu, M., Moore*, S., Konwar, C., Giesbrecht, G., Maclsaac, J., Kobor, M., & **Letourneau^{SA}**, N. (2021). Associations of peripheral blood DNA methylation and estimated monocyte proportion differences during infancy with toddler attachment style. *Attachment and Human Development*. Advance online publication. Doi: 10.1080/14616734.2021.1938872
197. Ross*, K.M., **Letourneau^{SA}**, N., et al. (2020). Perinatal maternal anxiety and depressive symptoms and child executive function and attention at two-years of age. *Developmental Neuropsychology*, 6, 380-395.

196. Grisbrook*, M., & Letourneau^{SA}, N. (2020). Improving maternal postpartum mental health screening guidelines requires assessment of post-traumatic stress disorder. *Canadian Journal of Public Health*. Advance online publication. Doi: 10.17269/s41997-020-00373-8
176. Ali*, E., Letourneau^{SA}, N., Benzies, K., Dewey, D., Campbell, T., & Giesbrecht, G. (2020). Maternal prenatal anxiety and children's behavioural problems: Moderating roles of maternal-child attachment and child's sex. *Canadian Journal of Nursing Research*, 52(2), 88-99.
175. Tryphonopoulos, P. & Letourneau, N. (2020). Promising results from a video-feedback interaction guidance intervention for improving maternal-infant interaction quality of depressed mothers: A feasibility pilot study. *Canadian Journal of Nursing Research*, 52, 74-87.
168. Anis*, L., Letourneau^{SA}, N., Benzies, K., Ewashen, C., & Hart, M. (2020). The effect of the Attachment & Child Health (ATTACH) parent training program on parent-child interaction quality and child development. *Canadian Journal of Nursing Research*, 52, 157-168.
164. Letourneau, N., et al. (2019). Maternal and paternal perinatal depressive symptoms associate with 2- and 3-year old children's behaviour: Findings from the APrON longitudinal study. *BMC Pediatrics*, 19, 1-13.
162. Letourneau, N., De Koning, J. Sekhon*, B., Ntanda, H., Giesbrecht, G. & Kobor, M. (2019). Parenting interacts with plasticity genes in predicting behavioural outcomes in preschoolers. *Canadian Journal of Nursing Research*.
151. Letourneau, N., Anis*, L., et al. (2020). Attachment & Child Health (ATTACH) pilot trials: Effect of parental reflective function intervention for families affected by toxic stress. *Infant Mental Health Journal*. **Wiley Most Read**
149. Letourneau, N., et al. (2019). Intergenerational transmission of early life adversity via maternal depression and anxiety and moderation by child sex. *Journal of Developmental Origins of Health and Disease*, 10(1), 88-99.
135. Adamson, B., Letourneau^{SA}, N., & Lebel, C. (2018). Prenatal maternal anxiety and children's brain structure and function: A systematic review of neuroimaging studies. *Journal of Affective Disorders*, 241, 117-126.
125. Letourneau, N., Duffett-Leger, L., Stewart, M., et al. (2016). Development of a telephone-based peer support program for new mothers with postpartum depression. *Current Women's Health Reviews*, 12(1), 48-57.

MAJOR HONOURS (SELECTED):

-**Fellow of the Canadian Academy of Nursing** (2022)

-International Society of Psychiatric Mental Health Nurses – **Global Research Award** (2022)

-International Council of Nurses – **Global Nursing Leaders Scholar** (2021)

-**Killam Professor**, University of Calgary (2021)

-**Jeanne Mance Award** from the Canadian Nurses Association (for career contributions to nursing and public's health; 2020)

-**Fellow of American Academy of Nursing** (2020)

-**Award for Leadership** from the Canadian Association of Perinatal and Women's Health Nursing (2019)

-**Difference Maker** in Mental Health Award from Centre for Addiction and Mental Health (2017)

-ATTACH™ project selected by **Harvard Centre on the Developing Child Frontiers of Innovation award** (2017)

-**Inspiration Award**, AB Min. of Human Services (2016)

-Named one of **4 Change Agents** for Alberta by Apple Magazine (circulation 148,000; 2016)

-College and Association of Registered Nurses of Alberta **Award of Excellence in Research** (2015)

-**Fellow of Canadian Academy of Health Sciences** (2014)

-**TEDx Yukon** (12K+ views; invited talk; 2014)

-Nurses Association of New Brunswick **Research Merit Award** (2011) to top nurse-researcher in NB

-Peter Lougheed/Canadian Institutes of Health Research (CIHR) **Top New Investigator Award** (for #1 ranked CIHR application, 2007 of 2000+ applicants)

-**Canada's Who's Who**, 2007-2022

-Canadian Institutes of Health Research **Governing Council member** (overseeing ~\$1 Billion CAD national research budget; chair of Standing Committee on Ethics; 2007-14)

-**30K+ Twitter followers** (world's most followed Nurse on Twitter, according to OnlineEducation.com); **~20K+ Youtube views**

RESEARCH GRANTS		
Type	Number	Dollars
Grants as Principal Investigator		
• International	3	\$388,583.85
• National	23	\$7,994,097.00
• Regional	37	<u>\$3,653,027.45</u>
Sub-Total	63	\$15,236,469.30
Grants as Co-Principal Investigator		
• International	3	\$577,485.32
• National	10	\$5,394,629.07
• Regional	12	<u>\$7,432,065.99</u>
Sub-Total	25	\$13,404,180.38
Grants as Co-Investigator		
• International	1	\$323,926.00
• National	45	\$44,744,144.00
• Regional	24	<u>\$1,099,036.00</u>
Sub-Total	70	\$43,077,106.00
Conference Funding	25	\$129,442.00
TOTAL	183	\$71,746,436.68

CURRENT SELECTED GRANTS AS PRINCIPAL INVESTIGATOR (7/19 shown)

- 2022-28 *Alliance against Violence and Adversity (AVA) Training Platform: Health and Social Service Research Training Platform for System and Population Transformations in Girls' and Women's Health.* PI: N. **Letourneau**, Co-PI's: K. Nixon, K. Ross, A. Tufescu-Stewart, + 70 Co-I's (**CIHR** Health Research Training Platform, \$2.55 million, University of Calgary Faculty of Nursing, \$30,000, UofC Vice-President Research Office, \$60,000)
- 2021-22 *Epigenetic impact of COVID-19 pandemic chronic stress on youth: A prospective investigation of DNA methylation.* PI: N. **Letourneau**; Col's: L. Anis, D. Dewey, G. Giesbrecht, S. Merrill, S. Moore, K. Ross, S. McDonald (**CIHR**, \$149,761)
- 2020-24 *ATTACH™ Program: Promoting vulnerable children's health at scale.* PI: N. **Letourneau**; Co-PI's: K. Ross, H. K. Birnie, M. Kobor, S. Merrill et al. (**CIHR-SPOR** Operating Grant, \$1,047,984)
- 2016-23 *VID-KIDS: Video feedback interaction guidance for improving interactions between depressed mothers and their infants.* PI: **Letourneau**, N., Co-PI: Tryphonopoulos, Co-I's Dennis, et al. (**CIHR**, \$569,552)
- 2019-24 *Healing from intimate partner violence: An evaluation of an intervention for indigenous mothers and children affected by intimate partner violence.* Co-PI's: C. Piotrowski, N. **Letourneau**. (**CIHR**, \$562,276)
- 2021-23 *Chair in Parent and Child Mental Health.* PI: N. Letourneau. (**Newall Family Foundation**, \$200,000, **Faculty of Nursing**, \$200,000)
- 2014-23 *Alberta Birth Common Dataset (ABCD): Revealing the origins of child development.* Co-PIs: S. Tough & N. **Letourneau**, Co-I's K. Benzies, G. Giesbrecht, D. Dewey. (**Alberta Children's Hospital Foundation**, \$1.9 million)

MEDIA		
		Number
Opinion Editorials	Newspaper	71
	Online	96
Media Mentions	Newspaper/Print/Online	171
Media Interviews	Newspaper/Print/Online	102
	Broadcast (radio, TV)	59
Podcasts	Online	3

Selected Opinion Editorials (brackets indicate the # citations)

- 2022 **Letourneau**, N. Better access to mental health care may be the silver lining of COVID-19. *The Globe and Mail*, March 31
- 2022 **Letourneau**, N. *Letourneau: Mental health is a key component of a new Indigenous child welfare system.* *Ottawa Citizen*, January 13, *Quoi Media Group* January 14, *Red Deer Advocate* Feb. 4. *Good Men Proejct*, Feb. 6 (4)
- 2022 Moore, S. & **Letourneau**, N. *Genomic research lacks diversity, and could mean a reduced quality of care for patients of different ethnicities.* *Toronto Star*, January 10, *UToday* January 11, *Quoi Media Group* January 12 (3)
- 2019 **Letourneau**, N. & Tough, S. *Cool the hype around genetics and health care.* *Calgary's Business* (Troy Media) Nov. 17
- 2018 **Letourneau**, N. *When it comes to parenting styles, throw away the buzz words.* *Huffingtonpost.ca*, September 11; *EvidenceNetwork.ca*, September 11 (2)
- 2018 **Letourneau**, N. *In a world of buzzwords, what's a parent to do?* *TheRecord.com* & *Hamilton Spectator*, Aug. 31
- 2018 **Letourneau**, N. *In a world of buzzword parenting, what's a parent to do?* *Toronto Star* online August 20, print August 21; *The Brampton Guardian*, August 29; *CKPG TV*, August 27; *Winnipeg Sun*, August 28; *Mississauga*, August 29; *Ottawa Life*, September 7; *OLM Contributor*, September 7 (8)
- 2017 **Letourneau**, N. & Dennis C.L. *B.C. mom's death shows we need to better understand – and treat – postpartum depression.* *The Globe and Mail*. March 6. **Globe and Mail home page March 6. The Globe and Mail tweeted article as "Popular this week", March 11. Facebook ad reached more than 13,000 people, was shared more than 80 times and had more than 140 likes and comments. Online home (cover) of Globe and Mail.**

Podcasts

- 2022 **Letourneau** on AMS Healthcare Podcast on Compassion and AI, on assessing parent-child interactions via AI
- 2019 **Letourneau** on Brain Child Podcast series (Available on itunes) as part of Learn from the Experts series from Strong Beginnings Family Wellness and Consulting Services and CanLearn, focused on parenting and toxic stress.
- 2017 **Letourneau** on Evidence Network's HuffPost's Podcast series, focused on why Canada's children lag so far behind?