

# Curriculum Vitae

## **Martin Guhn, PhD**

Assistant Professor, PhD  
Human Early Learning Partnership  
School of Population and Public Health  
Faculty of Medicine  
University of British Columbia  
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## **Professional activities**

Since 2012	Assistant Professor School of Population and Public Health & Department of Educational and Counselling Psychology, and Special Education University of British Columbia
Since 2011	National Research Lead, Forum on Early Childhood Development Monitoring
2009-2012	Postdoctoral Fellow (Population Health & Child Development) Michael Smith Foundation for Health Research, University of British Columbia
2008- 2009	Research Assistant (Development of the Canadian Index of Wellbeing) Measurement, Evaluation, & Research Methodology, University of British Columbia
2005-2008	Research Consultant (Evaluation of school intervention programs) Canadian Council on Learning & Vancouver School Board
2004-2009	Research Assistant (Program evaluation research in schools) Faculty of Education, University of British Columbia
2001-2003	Research Assistant (Emotion research) Psychology, Ernst-Moritz-Arndt-Universität, Greifswald
1999-2000	Research Assistant (Stress research) Psychology, Universität Trier

## **Education**

2012	Population Health & Child Development – University of British Columbia	Postdoc
2009	Human Development - University of British Columbia	PhD
2003	Psychologie - Ernst-Moritz-Arndt Universität, Greifswald	Diplom (~ Masters)
2002	Research exchange - Université de Genève, Switzerland	
2002	Music psychology - University of Sheffield, England	Masters
2000	Psychologie - Universität Trier, Germany	Vordiplom (~ Bachelor)
1998	Music - Drake University, Des Moines, Iowa, USA	Bachelor of Music

## Research grants and awards

Canadian Institutes of Health Research Can\$622,620 2013-2016  
Operating Grant, Principal Investigator  
*"Examining the social determinants of children's developmental health with a population-level, Pan-Canadian database"*

Australian Research Council Aus\$223,000 2013-2016  
Operating Grant, Co-PI (Principal Investigator: Sally Brinkman)  
*"Assessing the development, well-being, and community connectedness of children in the middle years: The Middle Years Development Instrument for Australia"*

Social Sciences and Humanities Research Council Can\$223,075 2013-2016  
Operating Grant, Co-PI (Principal Investigator: Peter Gouzouasis)  
*"What matters most: the effects of music making on adolescents in the 21st century"*

Lawson Foundation Can\$972,000 2011-2016  
Research Project Grant, Principal Investigator  
*"Realizing the world's best system of child development monitoring: A comprehensive monitoring system for population-level, development outcomes to detect differences over place and time, and to identify factors in enhancing outcomes for children"*

Canadian Institutes of Health Research Can\$293,289 2012-2015  
Operating Grant, Co-PI (Principal Investigator: Stefania Maggi)  
*"The kids in places initiative: an international partnership for the study of societal resilience and early child development"*

Canadian Institutes of Health Research Can\$178,474 2010-2014  
Operating Grant, Principal Investigator  
*"Educational, health and well-being outcomes of children born to immigrant and refugee families in British Columbia"*

Noyce Foundation US\$264,143 2012-2013  
Research Grant, Co-PI (Principal Investigator: Gil Noam)  
*"The Common Instrument"*

Michael Smith Foundation for Health Research Can\$117,000 2009-2012  
Research Trainee Award, Postdoctoral Fellowship  
*"Joint effects of social, cultural, and socio-economic determinants on developmental health: Investigating health and education trajectories of children and youth"*

## Teaching

### Graduate courses

- Child development [600-level seminar]
- Human development/Developmental psychology [500-level seminar]
- Statistics and research methods [400-level lecture]

### Undergraduate courses

- Educational application of developmental theories [300-level class]
- Motivation theories und assessment [300 class]

### Guest lectures

- Regression discontinuity design (600-level guest lecture)
- Bronfenbrenner's bio-ecological theory of human development (500-level guest lecture)
- Social determinants of children's' developmental health (500-level guest lecture)

### Brief description of courses taught

#### *Child development*

Graduate seminar on early child development, from interdisciplinary, applied, cross-cultural, and ecological perspectives; addressing methodological, ethical, and theoretical debates, and drawing from life course paradigms, and theories on knowledge mobilization and community-based action.

#### *Human Development/Developmental Psychology*

Graduate student seminar on research in education and educational psychology, including cognitive, sociocultural, and technological approaches to teaching and learning in diverse contexts, and cognitive, social and emotional development across the lifespan.

#### *Statistics and research methods*

Course required for master's students in population and public health. The course introduces students to basic statistical methodology used in health research, including data visualization, sampling, statistical significance tests, odds ratios, analysis of variance, and multiple linear regression.

#### *Educational application of developmental theories*

Course required for all students in the Teacher Education program. Topics included moral, cognitive, social, and emotional child development, intelligence, and creativity.

#### *Motivation theories und assessment*

Course required for all students in the Teacher Education program. Topics included learning and motivation theories, and measurement and assessment practices.

## Student supervision

### PhD students

Kim Thomson	<i>Population and Public Health</i>	Since 2013 (Co-Supervisor)
Jacqueline Davis	<i>Interdisciplinary Studies Graduate Program</i>	Since 2013 (Committee)
James Floman	<i>Human Development, Learning, and Culture</i>	Since 2013 (Committee)

### MA and MEd students

Jenna Whitehead	<i>Human Development, Learning, and Culture</i>	2013 (Committee)
Claudia Diaz	<i>Early Childhood Education</i>	2012-2013 (Supervisor)
Maddison Spennrath	<i>Population and Public Health</i>	2012-2013 (Committee)
Kathleen Maziarski	<i>Social-Emotional Learning and Development</i>	Since 2013 (Supervisor)
Anita Minh	<i>Population and Public Health</i>	Since 2013 (Committee)
Miriam Miller	<i>Human Development, Learning, and Culture</i>	Since 2013 (Committee)
Jacqueline Maloney	<i>Human Development, Learning, and Culture</i>	Since 2014 (Committee)

## Research focus and interest

- Social determinants of health and well-being in children and youth
- Applied research (in collaboration with schools and communities) on the association between social and cultural assets and context factors and developmental outcomes of children and youth in the domains of health, well-being, and educational achievement
- Survey development and validation in the area of child and youth well-being
- Statistical methods for measuring change over time in schools and communities
- Bronfenbrenner's bio-ecological theory of human development
- Knowledge transfer: Geospatial mapping as school and community engagement tool

My research is situated at the Human Early Learning Partnership (HELP) at the University of British Columbia (<http://earlylearning.ubc.ca>). HELP is an *interdisciplinary research* network, bringing together researchers from the health sciences, developmental psychology, education, sociology, political sciences, and epigenetics). I have primarily been involved in population-level data collection and statistical analysis on the **social determinants of children's health and well-being**.

We collect our population level data in close collaboration with schools, communities, and the ministries of education, health, and child and family development. Results are disseminated as school reports, and via public community reports, that present our findings via geospatial neighbourhood maps.

The goal of my research is to examine the associations between local **social and cultural context factors and inequalities in health and well-being outcomes in children and youth** – to create knowledge that schools and communities can use to implement and adapt local initiatives to foster child and youth health and well-being.

## Publications **(Updated: Oct 2014)**

### Peer-reviewed journal articles (h-Index = 9)

Razaz, N., Tremlett, H., Boyce, W. T., Guhn, M., Joseph, K. S., & Marrie, R. A. (accepted for publication). Impact of parental multiple sclerosis on early childhood development: a retrospective cohort study. *Multiple Sclerosis Journal*.

Oberle, E., Schonert-Reichl, K. A., Guhn, M. & Zumbo, B. D. (online first). The role of supportive adults in promoting positive development in middle childhood: A population-based study". *Canadian Journal of School Psychology*. doi: 10.1177/0829573514540116

Guhn, M., Schonert-Reichl, K. A., Gadermann, A. M., Hymel, S., & Hertzman, C. (2013). A population study of victimization, relationships, and well-being in middle childhood. *Journal of Happiness Studies*, 14, 1529-1541. doi: 10.1007/s10902-012-9393-8

Schonert-Reichl, K. A., Guhn, M., Gadermann, A. M., Hymel, S., Sweiss, L., & Hertzman, C. (2013). Development and validation of the Middle Years Development Instrument (MDI): Assessing children's well-being and assets across multiple contexts. *Social Indicators Research*, 114, 345-369. doi: 10.1007/s11205-012-0149-y. Open access: <http://link.springer.com/article/10.1007%2Fs11205-012-0149-y>

Vaghri, Z., Guhn, M., Weinberg, J., Grunau, R. E., Yu, W., & Hertzman, C. (2013). Hair cortisol reflects socioeconomic factors and hair zinc in preschoolers. *Psychoneuroendocrinology*, 38, 331-40. doi: 10.1016/j.psyneuen.2012.06.009 PMID: 22809790

Guhn, M., Schonert-Reichl, K. A., Gadermann, A. M., Marriott, D., Pedrini, L., Hymel, S., & Hertzman, C. (2012). Well-Being in middle childhood: An assets-based population-level research-to-action project. *Child Indicators Research*, 5, 393-418. doi: 10.1007/s12187-012-9136-8

Gadermann, A. M., Guhn, M. & Zumbo, B. D. (2012). Estimating ordinal reliability for Likert-type and ordinal item response data: A conceptual, empirical, and practical guide. *Practical Assessment, Research & Evaluation*, 17(3). ISSN 1531-7714. Open access: <http://pareonline.net/getvn.asp?v=17&n=2>

- Noam, G., Malti, T., & Guhn, M. (2012). From clinical-developmental theory to assessment: The Holistic Student Assessment tool. *International Journal of Conflict and Violence*, 6, 201-213. urn:nbn:de:0070-ijcv-2012242. Open access: [http://www.ijcv.org/index.php/ijcv/article/view/276/pdf\\_69](http://www.ijcv.org/index.php/ijcv/article/view/276/pdf_69)
- Guhn, M., & Goelman, H. (2011). Bioecological theory, early child development and the validation of the population-level Early Development Instrument. *Social Indicators Research*, 103, 193-217. doi: 10.1007/s11205-011-9842-5
- Guhn, M., Zumbo, B. D., Janus, M., & Hertzman, C. (2011). Opening remarks to the special issue on validation theory and research for a population-level measure of children's development, wellbeing, and school readiness. *Social Indicators Research*, 103, 179-181. doi: 10.1007/s11205-011-9840-7
- Guhn, M., Zumbo, B. D., Janus, M., & Hertzman, C. (2011). Validation theory and research for a population-level measure of children's development, wellbeing, and school readiness at kindergarten. *Social Indicators Research*, 103, 183-191. doi: 10.1007/s11205-011-9841-6
- Gadermann, A. M., Guhn, M., & Zumbo, B. D. (2011). Investigating the substantive aspect of construct validity for the Satisfaction with Life Scale adapted for Children: A focus on cognitive processes. *Social Indicators Research*, 100, 37-60. doi: 10.1007/s11205-010-9603-x
- Guhn, M., Gadermann, A. M., Hertzman, C., & Zumbo, B. D. (2010). Children's development in Kindergarten: A multilevel, population-based analysis of ESL and gender effects on socioeconomic gradients. *Child Indicators Research*, 3, 183-203. doi: 10.1007/s12187-009-9053-7
- Janus, M., Hertzman, C., Guhn, M., Brinkman, S. A., Goldfeld, S. (2009). Reply to Li, D'Angiulli and Kendall: The Early Development Index and children from culturally and linguistically diverse backgrounds. *Early Years*, 29, 31-35. doi: 10.1080/09575140802689125
- Kershaw, P., Forer, B., Lloyd, J. E. V., Hertzman, C., Boyce, W. T., Zumbo, B. D., Guhn, M., Milbrath, C., Irwin, L. G., Harvey, J., Hershler, R., & Smith, A. (2009). The use of population-level data to advance interdisciplinary methodology: A cell-through-society sampling framework for child development research. *International Journal of Social Research Methodology*, 12, 387-403. doi: 10.1080/13645570802550257
- Guhn, M. (2009). Insights from successful and unsuccessful implementations of school reform programs. *Journal of Educational Change*, 10, 337-363. doi: 10.1007/s10833-008-9063-0
- Guhn, M., Gadermann, A. M., & Zumbo, B. D. (2007). Does the EDI measure school readiness in the same way across different groups of children? *Early Education and Development*, 18, 453-472. doi: 10.1080/10409280701610838
- Guhn, M., Janus, M., & Hertzman, C. (2007). The Early Development Instrument: Translating school readiness assessment into community actions and policy planning. *Early Education and Development*, 17, 369-374. doi: 10.1080/10409280701610622
- Guhn, M., Hamm, A., & Zentner, M. (2007). Physiological and musico-acoustic correlates of the chill response. *Music Perception*, 24, 473-484. doi: 10.1525/mp.2007.24.5.473
- Gouzouasis, P., Guhn, M., & Kishor, N. (2007). The relationship between achievement and participation in music and achievement in core Grade 12 academic subjects. *Music Education Research*, 9, 81-92. doi: 10.1080/14613800601127569

### **Manuscripts submitted**

Gadermann, A. M., Guhn, M., Schonert-Reichl, K. A., Hymel, S., Thomson, K., & Hertzman, C. (submitted). A population-based study of children's well-being and health: The relative importance of social relationships, health-related activities, and income.

Guhn, M., Almas, A., Gadermann, A. M., Schonert-Reichl, K. A., & Hertzman C. (submitted). Kindergarten teacher ratings on the Early Development Instrument predict standardized achievement test, and self-reported wellbeing and peer relations in middle childhood.

Guhn, M., Forer, B., & Zumbo, B. D. (submitted). A simulation-based methodology for estimating a critical difference for aggregated scores.

Guhn, M., Milbrath, C., & Hertzman, C. (submitted). The influence of culture, gender, and bilingualism on school readiness of Kindergarten children: A population-based study.

### **Books & Special issues in peer-reviewed journals (editor)**

Harrison, L., Janus, M., Goldfeld, S., Brinkman, S., & Guhn, M. (forthcoming). International research utilizing the Early Development Instrument (EDI) as a measure of early childhood. Invited special issue in *Early Childhood Research Quarterly*.

Guhn, M., Zumbo, B. D., Janus, M., & Hertzman, C. (Eds.) (2011). Special issue: Validation theory and research for a population-level measure of children's development, wellbeing, and school readiness. *Social Indicators Research*, 103, 179-325.

Goelman, H., Pivik, J., & Guhn, M. (Eds.) (2011). *New Approaches to Early Child Development: Rules, Rituals, and Realities*. New Orleans, LA: Palgrave-Macmillan. ISBN: 978-0230105430

Guhn, M., Janus, M., & Hertzman, C. (Eds.) (2007). Special Issue: The Early Development Instrument. *Early Education and Development*, 17, 369-570.

### **Research reports**

Noam, G., Robertson, D., Papazian, A., & Guhn, M. (2012). *The Common Instrument. Background and Summary Information about the Assessment Tool*. Program in Education, Afterschool and Resiliency (PEAR), Harvard University and McLean Hospital, Boston, MA.

Muhajarine, N., Anderson, L., Lysack, M., Guhn, M., & Macqueen Smith, F. (2010). *Assessing Canadian Family Policy to Enhance Developmental Health in the Near Term: A Canadian Assessment tool, with an assessment of the four Western provinces (British Columbia, Alberta, Saskatchewan and Manitoba)*. A commissioned report prepared for the National Collaborating Centre for Healthy Public Policy. Saskatchewan Population Health and Evaluation Research Unit, Saskatoon.

Guhn, M., Gadermann, A. M., & Zumbo, B. D. (2010). *Education. A report of the Canadian Index of Wellbeing (CIW)*. Toronto, Ontario: Atkinson Charitable Foundation. Available online at [http://www.ciw.ca/Libraries/Documents/Education-Full\\_Report.sflb.ashx](http://www.ciw.ca/Libraries/Documents/Education-Full_Report.sflb.ashx)

Noam, G. G., Robertson, D., Papazian, A., & Guhn, M. (2012). *The Common Instrument. Background and summary information about the assessment tool*. Cambridge, Massachusetts: Program in Education, Afterschool and Resiliency (PEAR), Harvard University and McLean Hospital.

Michalos, A.C., Smale, B., Labonté, R., Muhajarine, N., Scott, K., Moore, K., Swystun, L., Holden, B., Bernardin, H., Dunning, B., Graham, P., Guhn, M., Gadermann, A.M., Zumbo, B.D., Morgan, A., Brooker, A.-S., & Hyman, I. (2011). *The Canadian Index of Wellbeing. Technical Report 1.0*. Waterloo, ON: Canadian Index of Wellbeing and University of Waterloo.

Schonert-Reichl, K. A., Guhn, M., Hymel, S., Hertzman, C., Sweiss, L., Gadermann, A., Marriott, D., Burroughs, B., Calbick, J., Oberle, E., Smith, A., Pedrini, L., & Harvey, J. (2010). *Our children's voices: The Middle Years Development Instrument. Measuring the developmental health and well-being of children in middle childhood*. Vancouver, Canada: United Way.

Guhn, M., Konishi, C., Sweiss, L., Schonert-Reichl, K. A., Hymel, S., & Lee, A. (2010). *Middle Years Development Instrument—Vancouver district report*. Human Early Learning Partnership, University of British Columbia, Vancouver, Canada.

## Book chapters

- Gadernann, A. M., Guhn, M., & Zumbo, B. D. (2014). Ordinal alpha. In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 4513-4515.
- Guhn, M., Forer, B., & Zumbo, B. D. (2014). Reliable Change Index (RCI). In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 5459-5462.
- Guhn, M., Gadernann, A. M., Wu, A. (in press). Trends in International Mathematics and Science Study (TIMSS). In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 6737-6739.
- Guhn, M., & Klerian, C. (2014). Forum for Early Childhood Development Monitoring. In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 2341-2343.
- Waugh, M., & Guhn, M. (2014). Bioecological theory of human development. In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 398-401.
- Janus, M., Brinkman, S., & Guhn, M. (2014). The Early Years Development Instrument. In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 1739-1744.
- Schonert-Reichl, K. A. & Guhn, M. (2014). The Middle–Years Development Instrument. In Michalos A.C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, pp 4036-4040.
- Goelman, H., & Guhn, M. (2011). The theoretical framework(s) that guided the CHILD Project. In H. Goelman, J. Pivik, & M. Guhn (Eds.), *New Approaches to Research in Early Child Development: Rules, Rituals, and Realities, Chapter 2*. New Orleans, LA: Palgrave-MacMillan.
- Goelman, H., & Guhn, M. (2011). What we learned about interdisciplinarity. In H. Goelman, J. Pivik, & M. Guhn (Eds.), *New Approaches to Research in Early Child Development: Rules, Rituals, and Realities, Chapter 8*. New Orleans, LA: Palgrave-MacMillan.
- Guhn, M., Swarth, S., Pighini, M., & Vilches, S. (2011). Graduate student experiences in the CHILD Project. In H. Goelman, J. Pivik, & M. Guhn (Eds.), *New Approaches to Research in Early Child Development: Rules, Rituals, and Realities, Chapter 10*. New Orleans, LA: Palgrave-MacMillan.
- Goelman, H., Pivik, J., & Guhn, M. (2011). Conclusion: What differences can we make to make a difference? In H. Goelman, J. Pivik, & M. Guhn (Eds.), *New Approaches to Research in Early Child Development: Rules, Rituals, and Realities, Chapter 11*. New Orleans, LA: Palgrave-MacMillan.
- Guhn, M., & Gadernann, A. M. (2010). Social competences and human needs. In L. Bormans (Ed.), *The world book of happiness*. Tiel, Belgium: Lannoo Publishers.
- Gouzouasis, P., LaMonde, A., & Guhn, M. (2008). The Fine Arts and Media in Education Project: The integration of creative arts-based activities, wireless technologies, and constructivist teaching practices in practicum classrooms. In K. Veblen, C. Beynon, S. Horsley, & U. De Alwis (Eds.), *From Sea to Sea: Perspectives on Music Education in Canada*. Peer-reviewed, Open Access Ebook: <http://coalitionformusiced.ca/html/sec4-advocacy/ebook/>
- Kershaw, P., Irwin, L., Trafford, K., & Hertzman, C., Schaub, P., Forer, B., Foster, L. T., Smit Alex, J., Wiens, M., McKee, B., Hertzman, E., Guhn, M., Schroeder, J., Goelman, H., & Kinar, K. (2005). *The British Columbia atlas of child development (1st ed., Vol. 40)*. Vancouver, BC: Human Early Learning Partnership, Western Geographical Press.

## Test manual

Schonert-Reichl, K. A., Hertzman, C., Hymel, S., Guhn, M., Gadermann, A., Sweiss, L., Thomson, K. (2012). *Understanding our lives: The Middle Years Development Instrument (MDI) survey of grade 4 students. Technical manual*. Vancouver, BC: Human Early Learning Partnership.

## Conference presentations (past 5 years)

Guhn, M., Gadermann, A. M., Schonert-Reichl, K. A., Almas, A., & Hertzman, C. (2013, September). *Validity evidence for measuring children's social and emotional development via teacher reports and child self-reports*. Paper presented at the XVIth EADP's European Conference on Developmental Psychology, Lausanne, Switzerland.

Noam, G., Robertson, D., Malti, T., & Guhn, M. (2013, September). *The Holistic Student Assessment (HSA): Identifying students who show above or below average socio-emotional risks and resiliencies*. Paper presented at the XVIth EADP's European Conference on Developmental Psychology, Lausanne, Switzerland.

Forer, B., Guhn, M., & Zumbo, B. D. (2013, April). *Using micro-simulation to investigate the reliability of change over time for aggregated child development scores*. Paper presented at the 2013 biannual meeting of the Society for Research on Child Development, Seattle, WA.

Guhn, M., Gadermann, A. M., Schonert-Reichl, K. A., & Hertzman, C. (2013, April). *Predictive validity of teacher ratings in kindergarten on wellbeing in middle childhood*. Paper presented at the 2013 biannual meeting of the Society for Research on Child Development, Seattle, WA.

Noam, G. G., Malti, T., Guhn, M., & Robertson, D. L. (2013, April). *From clinical and developmental theory to large-scale resilience assessment: Introduction of the Holistic Student Assessment Tool for children and youth*. Paper presented at the 2013 biannual meeting of the Society for Research on Child Development, Seattle, WA.

Guhn, M., Gadermann, A. M., Schonert-Reichl, K. A., Hymel, S., & Hertzman, C. (2012, April). *Children's well-being: Social relationships mediate the effects of income*. Paper presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.

Guhn, M., Gadermann, A. M., Schonert-Reichl, K. A., Hymel, S., & Hertzman, C. (2012, April). *Children's adult and peer connectedness moderate the relationship between victimization and well-being*. Paper presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.

Malti, T., Guhn, M., & Noam, G. G. (2012, April). *From assessment to intervention: Reducing aggressive problem behavior by improving children's social-emotional development and well-being*. Paper presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.

Milbrath, C., Guhn, M., & Hertzman, C. (2012, April). *Using cross-cultural school readiness analyses to inform community initiatives*. Paper presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.

Noam, G. G., Malti, T., & Guhn, M. (2012, April). *Holistic Student Assessment: Development of a tool to assess adolescents' resiliencies*. Paper presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.

Schonert-Reichl, K. A., Guhn, M., Hymel, S., Gadermann, A. M., Sweiss, L., & Hertzman, C. (2012, April). *Development and psychometric properties of an assessment tool on children's well-being and contextual assets*. Paper presented at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.

Noam, G. G., Malti, T., & Guhn, M. (2012, March). *The Holistic Student Assessment tool: Assessing adolescent's resiliencies*. Paper presented at the 2012 biennial meeting of the Society for Research on



Adolescence, Vancouver, Canada.

Schonert-Reichl, K., Guhn, M., Hertzman, C., Hymel, S., Sweiss, L., & Oberle, E. (2012, March). *Using population-level data to understand assets and thriving of early adolescents in context*. Paper presented at the 2012 biennial meeting of the Society for Research on Adolescence, Vancouver, Canada.

Guhn, M., et al. (2011, April). *Relationships between family, school, and community assets and well-being in middle childhood: A population-level study*. Round-table presentation presented at the 2011 annual meeting of the American Educational Research Association, New Orleans.

Forer, B., Guhn, M., & Zumbo, B. D. (2011, April). *Using a generalizability theory framework to investigate the reliability of aggregated Early Development Instrument change scores*. Paper presented at the 2011 biannual meeting of the Society for Research on Child Development, Montreal, Canada.

Guhn, M., Milbrath, C., Gadermann, A. M., & Hertzman, C. (2010, September). *Kulturelle Unterschiede von Entwicklungsprofilen in Kindergarten und Grundschule*. Paper presented at the 47. Kongress der Deutschen Gesellschaft für Psychologie, Bremen, Germany.

Guhn, M. (2010, May). *Cultural differences of development profiles in kindergarten and primary school*. Invited paper presented at the Development 2010 conference, Carleton University, Ottawa, Canada.

Guhn, M. & Forer, B. (2010, May). *What is the level of theory for the Early Development Instrument? Theoretical and empirical perspectives*. Invited paper presented at the Development 2010 conference, Carleton University, Ottawa, Canada.

Guhn, M., Milbrath, C., Gadermann, A., Zumbo, B. D., & Hertzman, C. (2010, April). *The influence of culture, bilingualism, and gender on school readiness of Kindergarten children: A population-based study*. Poster presented at the annual meeting of the American Educational Research Association, Denver, CO.

Guhn, M. & Strehmel, P. (Chairs) (2009, September). *Immigrant children's development in elementary and primary school: Research evidence on patterns and programs from Germany, Australia, and Canada*. Symposium presented at the European Conference on Educational Research, Vienna.

Guhn, M., Zumbo, B. D., Hertzman, C., & Gadermann, A. (2009, September). How do immigrant children do in school in Canada? In M. Guhn & P. Strehmel (Chairs), *Immigrant children's development in elementary and primary school: Research evidence on patterns and programs from Germany, Australia, and Canada*. Paper presented at the European Conference on Educational Research, Vienna.

Guhn, M. & Milbrath, C. (2009, July). *Developmental profiles of Cantonese- and Punjabi-speaking children in Canada*. Paper presented at the IX. Conference of the International Society of Quality of Life Studies, Florence, Italy.

Guhn, M., Gadermann, A., & Zumbo, B. D. (2009, July). An overview of the Educated Populace domain of the Canadian Index of Wellbeing. In A. C. Michalos & M. A. Sheikh (chairs), *The Canadian Index of Wellbeing*. Invited symposium talk presented at the IX. Conference of the International Society of Quality of Life Studies, Florence, Italy.

Guhn, M., Gadermann, A., Hertzman, C., & Zumbo, B. D. (2009, July). *Are there cultural differences in the relationship between socioeconomic status and children's development and wellbeing?* Paper presented at the IX. Conference of the International Society of Quality of Life Studies, Florence, Italy.

## **Invited presentations & workshops (past 5 years)**

Guhn, M. (2013, May). *The well-being of British Columbia's children*. Invited keynote presented at the UBC Assessment Workshop, Vancouver, BC.

Guhn, M. (2012, April). *Monitoring children's development and well-being*. Invited presentation sponsored by the Affiliation of Multicultural Societies and Services Agencies (AMSSA), Richmond, BC.

Guhn, M. (2012, February). *Early childhood development outcomes at kindergarten for different language groups*. Invited presentation sponsored by the West Vancouver Child and Family Hub, West Vancouver, BC.

Guhn, M., & Milbrath, C. (2012, February). *Developmental health outcomes for kindergarten children from different language backgrounds*. Invited presentation at the British Columbia Health Child development Alliance meeting, Vancouver, BC.

Milbrath, C., & Guhn, M. (2012, February). *A HELP forum on developmental health of BC's children from different language backgrounds*. Invited presentation sponsored by Vancouver Coastal Health, Vancouver, BC.

Schonert-Reichl, K. A., & Guhn, M. (2012, February). *Early and middle childhood: A call to action*. Invited presentation to the Tri-Cities Early Childhood Development and Middle Childhood Matters Committees, Coquitlam, BC.

Guhn, M. (2012, January). *The Middle Years Development Instrument*. Invited presentation at the Langley Middle Childhood Round Table, Langley, BC.

Guhn, M., & Milbrath, C. (2011, October). *Developmental patterns for different ethno-cultural groups of children in British Columbia*. Invited presentation presented at the 2011 Soong Ching Ling ECC Symposium, Richmond, BC.

Guhn, M., & Milbrath, C. (2011, October). *A cross-cultural comparison of kindergarten children's health and development in BC*. Invited keynote presented at the 16th Annual Cross-Cultural Mental Health Conference, Vancouver, BC.

Guhn, M. (2011, September). *The Middle Years development Instrument*. Invited presentation to the Surrey/White Rock Middle Childhood Matters Steering Committee, Surrey, BC.

Guhn, M. (2011, April). *Getting ahead of the game: Assessing strengths and risks in youth*. Invited workshop presented at the *PEAR & Boston After School & Beyond Leadership Conference*, Cambridge, MA.

Milbrath, C., & Guhn, M. (2011, April). *Cultural diversity and child development*. Invited presentation presented at the BC Healthy Child Development Alliance - Child Health BC workshop, Vancouver, BC.

Milbrath, C., & Guhn, M. (2010, July). *Developmental patterns for different ethno-cultural groups of children in British Columbia*. Invited workshop presented at the UBC Assessment Workshop, Vancouver, BC.

## **Media coverage**

Riemenschneider, H. (May 29, 2013). Kraft-Reise nach Nordamerika. Denkanstöße eines Vierjährigen. *Westfälische Nachrichten*. URL: <http://www.wn.de/NRW/Kraft-Reise-nach-Nordamerika-Denkanstoesse-eines-Vierjaehrigen>

Doucleff, M. (February 11, 2012). Anatomy of a Tear-Jerker. Why does Adele's 'Someone Like You' make everyone cry? Science has found the formula. *The Wall Street Journal Associated Press*. URL: <http://online.wsj.com/article/SB10001424052970203646004577213010291701378.html>

Gayle, D. (February 14, 2012). Does Adele's music move you to tears? Scientists identify the bits in songs that make you cry. *The Daily Mail, Mail Online*. URL: <http://www.mailonsunday.co.uk/sciencetech/article-2101046/Adeles-Someone-Like-You-Scientists-identify-bits-songs-make-cry.html>

McFee, J., (February 8, 2012). Are local students happy? Study explores well-being of children in School District 43. *Coquitlam Now*. URL: [http://www.thenownews.com/story\\_print.html?id=6118475](http://www.thenownews.com/story_print.html?id=6118475)

Bramham, D. (October 18, 2012). It's time to refocus on saving the next Amanda Todd. What we need are more people on the frontlines so that when a troubled teen calls a crisis line there's someone there to answer it. *Vancouver Sun*. URL: <http://www.vancouversun.com/opinion/columnists/Daphne+Bramham+time+refocus+saving+next+child/7411663/story.html>

### **Professional development (Statistics and research methods)**

- Advanced Seminar in Structural Equation Modeling
  - 5-day workshop by Dr. Leslie Hayduk, University of Alberta, 2005
- Applying Multilevel Models & Structural Equation Models to Longitudinal Data
  - 9-day workshop by Dr. Suzanne Graham, University of New Hampshire, Dr. David Flora, York University, & Dr. Ken Bollen, University of North Carolina, 2007
- Quasi-Experimental Design
  - 5-day workshop by Dr. Thomas Cook, Northwestern University & Dr. Will Shadish, University of California, Merced, 2008
- Generalized linear models and generalized mixed effect models & Programming in R
  - 9-day workshop by Dr. John Fox, McMaster's University, & Dr. George Monette, York University), 2009

### **Ad-hoc-reviewer**

- American Educational Research Association (AERA)
- BMC Public Health
- Canadian Institutes of Health Research (CIHR)
- Child Indicators Research
- Evaluation and Program Planning
- *Musicae Scientiae*
- Journal of Child and Family Studies
- Journal of Educational Reform
- Social Indicators Research

### **Committees**

- PhD admission committee, School of Population and Public Health, University of British Columbia
- Mentoring Committee, School of Population and Public Health, University of British Columbia

### **Memberships**

- Society for Research on Child Development (SRCD)