

NATALIE HIROMI BRITO**CONTACT INFORMATION**

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 Department of Applied Psychology
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EDUCATION

- 2013 **PhD, Psychology** (Concentration in Human Development and Public Policy)
 Georgetown University, Washington, DC
Advisor: Dr. Rachel Barr
- 2008 **M.A., Experimental Psychology**
 College of William and Mary, Williamsburg, VA
Advisor: Dr. Peter M. Vishton
- 2005 **B.A., Psychology**
 University of Virginia, Charlottesville, VA
Advisor: Dr. Judy DeLoache

ACADEMIC APPOINTMENTS

- 2017 – Assistant Professor, Department of Applied Psychology, New York University
- 2015 – 2017 Postdoctoral Research Fellow, Sackler Institute for Developmental Psychobiology & Columbia University
 Medical Center Division of Developmental Neuroscience
- 2013 – 2015 Robert Wood Johnson Health & Society Scholar, Columbia University
- 2012 Visiting Researcher, Speech Acquisition & Perception Group, University of Pompeu Fabra

HONORS & AWARDS

- 2017 Word Gap Challenge \$110K Winner – *Health Resources & Services Administration (HRSA)*
- 2016 Rudel Prize for Neuropsychology Research – *Rita G. Rudel Foundation*
- 2015 Best Poster Award - *International Society for Developmental Psychobiology (ISDP) Annual Conference*
- 2015 Emerging Research Scholar - *Bridging the Word Gap National Research Network*
- 2015 Outstanding Doctoral Dissertation Award - *Society for Research in Child Development (SRCD)*
- 2014 Early Career Research Award in Developmental Psychology- *American Psychological Association (APA) Division 7*
- 2014 James McKeen Cattell Award for Outstanding Dissertation - *New York Academy of Sciences*
- 2014 Harold N. Glassman Dissertation Award in the Social Sciences - *Georgetown University*
- 2013 Health & Society Scholar - *Robert Wood Johnson Foundation*

- 2012 Koppitz Child Psychology Fellowship - *American Psychological Foundation (APF)*
- 2011 Language Scholarship Award - *Georgetown University*
- 2009 Best Poster Award - *International Society for Developmental Psychobiology (ISDP) Annual Conference*

CURRENT GRANT SUPPORT

K99/R00-HD086255

National Institute of Child Health and Human Development

“Examining the Independent and Joint Contributions of Socioeconomic Status and Bilingualism on Early Cognitive Development”

2016-2020 (\$1,000,000)

Role: Principal Investigator

Rudel Prize for Neuropsychology Research

Neonatal EEG as Biomarkers for Later ASD and Neurodevelopmental Disorder Risk

Rita G. Rudel Foundation

2016-2017 (\$10,000)

Role: Principal Investigator

COMPLETED GRANT SUPPORT

Robert Wood Johnson Foundation

Neonatal EEG as Biomarkers for Later ASD and Neurodevelopmental Disorder Risk

2015-2016 (\$10,352)

Role: Principal Investigator

Robert Wood Johnson Foundation

Socioeconomic Disparities in Cognitive and Brain Development during the First Year of Life

2014-2015 (\$9,890)

Role: Principal Investigator

Columbia University Population Research Center

Socioeconomic Status, Bilingualism & Language Environment

2013-2015 (\$4,660)

Role: Co-Investigator

Robert Wood Johnson Foundation

Examining the Effect of Socioeconomic Status and Bilingualism on Early Cognitive Development

2013-2014 (\$16,173)

Role: Principal Investigator

Elizabeth Munsterberg Koppitz Child Psychology Grant

Influence of Early Environmental Variation on Memory Development: Examining Bilingualism during Infancy

2012-2013 (\$25,000)

Role: Principal Investigator

Georgetown University Dissertation Abroad Grant

Differences in Language Exposure and its Effects on Memory Flexibility

2011-2012 (\$5,000)

Role: Principal Investigator

University of Virginia Double Hoo Research Grant

From “G” to giraffe: Young children’s ability to generalize novel words and facts from picture books
2004-2005 (\$5,000)

Role: Co-Investigator

PUBLICATIONS

Google Scholar Profile: <https://goo.gl/ARddFf>

JOURNAL ARTICLES:**2017**

1. **Brito, N.H.** (2017). Influence of the home linguistic environment on early language development. *Policy Insights from Behavioral and Brain Science*, 1-8, DOI:10.1177/2372732217720699
2. **Brito, N.H.**, Piccolo, L., & Noble, K.G. (2017). Associations between cortical thickness and neurocognitive skills during childhood vary by family socioeconomic factors. *Brain & Cognition*, 116, 54-62. DOI:10.1016/j.bandc.2017.03.007

2016

3. **Brito, N.H.**, Fifer, W.P., Myers, M., Elliott, A.J., & Noble, K.G. (2016). Associations among family socioeconomic status, EEG power at birth, and cognitive skills during infancy. *Developmental Cognitive Neuroscience*, 19, 144-151. DOI:10.1016/j.dcn.2016.03.004
4. Melvin, S., **Brito, N.H.**, Mack, L.J., Engelhardt, L.E., Fifer, W.P., Elliot, A.J., & Noble, K.G., in collaboration with the PASS Network (2016). Contributions of the home environment to early disparities in language development. *Infancy*, 22, 42-55. DOI:10.1111/inf.12145
5. **Brito, N.H.**, Murphy, E., Vaidya, C., & Barr, R. (2016). Do bilingual advantages in attentional control influence memory encoding during a divided attention task? *Bilingualism: Language and Cognition*, 19(3), 621-629. DOI:10.1017/S1366728915000851

2015

6. Noble, K.G., Houston, S.M., **Brito, N.H.**, Bartsch, H., Kan, E., ... & Sowell, E.R, for the Pediatric Imaging, Neurocognition, and Genetics Study. (2015). Family income, parental education and brain development in children and adolescents. *Nature Neuroscience*, 18, 773-778. DOI: 10.1038/nn.3983
7. Noble, K.G., Engelhardt, L.E., **Brito, N.H.**, Mack, L.J., Nail, E.J., Angal, J., Barr, R., Fifer, W.P., and Elliott, A.J., in collaboration with the PASS Network. (2015). Socioeconomic disparities in neurocognitive development in the first two years of life. *Developmental Psychobiology*, 57(5), 535-551. DOI: 10.1002/dev.21303
8. **Brito, N.H.**, Sebastián-Gallés, N., & Barr, R. (2015). Differences in language exposure and its effects on memory flexibility in monolingual, bilingual, and trilingual infants. *Bilingualism: Language and Cognition*, 18(4), 670-682. DOI: 10.1017/S1366728914000789

2014

9. **Brito, N.H.** & Noble, K.G. (2014). Socioeconomic status and structural brain development. *Frontiers in Neuroscience*, 8, 276. DOI: 10.3389/fnins.2014.00276

10. **Brito, N.H.**, Grenell, A., & Barr, R. (2014). Specificity of the Bilingual Advantage for Memory: Examining Recognition, Generalization, and Working Memory in Monolingual, Bilingual, and Trilingual Toddlers. *Frontiers in Psychology*. DOI: 10.3389/fpsyg.2014.01369
11. Barr, R., Morin, M., **Brito, N.**, Richeda, B., Rodriguez, J., & Shauffer, C. (2014). Delivering Services to Incarcerated Teen Fathers: A Pilot Intervention to Increase the Quality of Father-infant Interactions during Visitation. *Psychological Services, 11* (1), 10–21. DOI: 10.1037/a0034877
12. **Brito, N.** & Barr, R. (2014). Flexible Memory Retrieval in Bilingual 6-month-old Infants. *Developmental Psychobiology, 56* (5), 1156–1163. DOI: 10.1002/dev.21188

2013

13. Barr, R., **Brito, N.**, & Simcock, G. (2013). Revisiting the Effect of Reminders on Infants' Memories: Does the encoding format matter? *Developmental Psychology, 49*(11), 2112–2119. DOI: 10.1037/a0031759

2012

14. **Brito, N.** & Barr, R. (2012). Influence of Bilingualism on Memory Generalization during Infancy. *Developmental Science, 15* (6), 812–816. DOI: 10.1111/j.1467-7687.2012.1184.x
15. **Brito, N.**, Barr, R., McIntyre, P. & Simcock, G. (2012) Long-term Transfer of Learning from Books and Video during Toddlerhood. *Journal of Experimental Child Psychology, 111* (1), 108–119. DOI: 10.1016/j.jecp.2011.08.004

2011

16. Barr, R., **Brito, N.**, Zocca, J., Reina, S., Rodriguez, J., & Shauffer, C. (2011). The Baby Elmo Program: Improving teen father-child interactions within the juvenile justice facilities. *Child and Youth Services Review, 33* (9), 1555–1562. DOI: 10.1016/j.chilyouth.2011.03.020

BOOK CHAPTERS

1. **Brito, N.**, Ryan, R. M., & Barr, R. (2014). Methods for assessing parent-child interactions in large-scale studies. In O. Saracho & B. Spodek (Eds.), *Handbook of research method on early childhood education*, Volume II, p. 147–189. Mahwah, NJ: Lawrence Erlbaum Associates.
2. Barr, R., & **Brito, N.** (2013). From specificity to flexibility: Early developmental changes in memory generalization. In P. Bauer & R. Fivush (Eds.), *Wiley-Blackwell Handbook on the Development of Children's Memory*, p. 453–479. Chichester: John Wiley and Sons. DOI: 10.1002/9781118597705.ch20
3. **Brito, N.**, Barr, R., Rodriguez, J., & Shauffer, C. (2012). Increasing the Quality of Father Child Interactions within the Juvenile Justice System. Zero-to-Three: Parenting from a Distance Special Issue.
4. Barr, R., & **Brito, N.** (2012). Learning from television in young children. In N.M. Seel, *Encyclopedia of the Sciences of Learning*. New York, NY: Springer Publications. DOI: 10.1007/978-1-4419-1428-6_1835
5. Vishton, P. M. & **Brito, N.** (2008). Motor Development. In N. Salkind, *Encyclopedia of Educational Psychology*. Thousand Oaks, CA: Sage Publications.

INVITED TALKS

Brito, N.H. (March, 2017). *Early Experience and Neurocognitive Development*. Emeritus Professors in Columbia (EPIC), Columbia University. New York, NY.

Brito, N.H. (June, 2016). *Early Home Environment and Cognitive Skills during Infancy: Mediators, Moderators, & Markers*. Sackler Parent-Infant Project, Sackler Institute for Developmental Psychobiology. New York, NY.

Brito, N.H. (June, 2016). *Early Exposure to Multiple Languages & Neurocognitive Development*. Columbia University Developmental Network Meeting. New York, NY

Brito, N.H. (February, 2016). *The Home Language Environment as a Mediator between Family SES & Cognitive Skills During Infancy*. Women's Program Monthly Meeting, Department of Psychiatry. Columbia University Medical Center. New York, NY.

Brito, N.H. (February, 2016). *Bilingualism, Socioeconomic Status, & Language Environment*. Bridging the Word Gap Research Network Meeting. San Diego, CA.

Brito, N.H. (January, 2016). *The Home Language Environment as a Mediator between Family SES and Cognitive Skills during Infancy*. 31st Annual Mortimer D. Sackler Winter Conference in Developmental Psychobiology. Papagayo Bay, Costa Rica.

Brito, N.H. (November, 2015). *Influence of Bilingualism on Early Cognitive Trajectories*. Rutgers University Department of Psychology Colloquium. Newark, NY.

Brito, N.H. (October, 2015). *Socioeconomic Disparities in Early Neurocognitive Development*. Social Issues Roundtable Invited Speaker, Society for Neuroscience Annual Meeting. Chicago, IL.

Brito, N.H. (June, 2015). *Assessing Neurodevelopment in Infants and Toddlers*. Neurobehavioral Assessment in Toddlers Expert Panel, Mead Johnson Pediatric Nutrition. Chicago, IL.

Brito, N.H. (April, 2015). *Socioeconomic Disparities in Early Neurocognitive Development*. Columbia Translational Neuroscience Initiative, CUMC. New York, NY.

Brito, N.H. (April, 2014). *Influence of Bilingualism on Early Cognitive Trajectories*. Columbia University Department of Psychology Colloquium. New York, NY.

Brito, N.H. (May, 2014). *Examining Environmental Variations during Early Cognitive Development: Observation is Key*. Mercy College and Manhattanville College Undergraduate Research Conference. Dobbs Ferry, NY.

Brito, N.H. (October, 2013). *Influence of Early Environmental Variation on Cognitive Development: Examining Bilingualism During Infancy*. University of Chicago Departments of Psychology and Comparative Human Development Joint Colloquium. Chicago, IL.

REFEREED CONFERENCE TALKS

Chair and Speaker, Symposium (April, 2017). *Early Linguistic Environment and Neurocognitive Adaptations: Examining the Bilingual Experience*. Speakers: **Brito, N.H.**, Tsang, T., Nacar, L., & Archila-Suerte, P. Talk presented at Society for Research in Child Development (SRCD) Biennial Meeting, Austin, TX.

Brito, N.H., Leon-Santos, A., Fifer, W.P., Noble, K.G. (April, 2017). *Socioeconomic Disparities in Brain Function and Cognitive Skills during Infancy*. Talk presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Austin, TX.

Brito, N.H., Ordonez-Retamar, M., Nugent, J.D., Corwin, M., Noble, K.G., Myers, M.M., Elliot, A.J., & Fifer, W.P. (November, 2016). *Examining Pathways between Neonatal Autonomic Measures and Later Language Skills during Infancy*. Talk presented at the International Society for Developmental Psychobiology (ISDP) Biennial Meeting, San Diego, CA.

Invited Speaker, Developmental Symposium: Brain Activity and Cognitive Development (March, 2016). *Developmental Cognitive Neuroscience: Analysis of Brain-Behavior Associations and Emerging Cognitive Processes*. Speakers: **Brito, N.H.**, Taurillo, A., Rajan, V., & Cuevas, K. Eastern Psychological Association Annual Meeting, New York, NY.

Invited Speaker, Social Issues Roundtable (October, 2015). *The Income Achievement Gap: Insights from Cognitive Neuroscience*. Speakers: Bunge, S., Gabrieli, J., Pollak, S., Lipina, S., **Brito, N.H.**, & Pakulak, E. Society for Neuroscience (SFN) Annual Meeting, Chicago, IL.

Co-Chair and Speaker, Symposium (March, 2015), *Socioeconomic Disparities in Cognitive Development in Infancy and Early Childhood*. Speakers: **Brito, N.H.**, Moore, D., Stevens, C., & Noble, K.G. Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

Chair and Speaker, Symposium (July, 2014), *Advantages of Early Multi-Language Exposure: Beyond Executive Functions*. Speakers: **Brito, N.H.**, Kinzler, K., Kovacs, A., & Sebastian-Galles, N. International Conference on Infant Studies (ICIS), Berlin, Germany.

Brito, N., Barr, R., Rodriguez, J., & Shauffer, C. (March, 2012). *Increasing the Quality of Father-Child Interactions within the Juvenile Justice System*. Talk presented at the annual meeting of the American Psychology and Law Society, San Juan, Puerto Rico.

Brito, N., Barr, R., McIntyre, P., Atkinson, E., & Simcock, G. (March, 2011). *Long-term retention and reactivation of forgotten memories from books during toddlerhood*. Talk presented at the SRCD biennial meeting, Montreal, Canada.

Brito, N., Barr, R., McIntyre, P., Lieberman, J., Shauffer, C., & Rodriguez, J. (April, 2010). *The Baby Elmo Project: Intervention Targeting Parent-child Interactions within the Juvenile Justice Facilities*. Talk presented at the biennial meeting of Human Development, New York, NY.

Brito, N., Barr, R., McIntyre, P., Garrity, K., & Simcock G. (March, 2010). *Long-term Retention from Books and Video during Toddlerhood*. Talk presented at the ICIS biennial meeting, Baltimore, MD.

MEDIA COVERAGE

- 2017 Telemundo - [Crea una app que ayudará a los niños a ser bilingües](#)
- 2016 Borgen Magazine – [The effect of poverty on the brain](#)
- 2015 Scientific American – [How does poverty affect the brain?](#)
Psychology Today – [Do bilingual infants have better memory?](#)
- 2013 ABC 5 Cleveland – [Baby Elmo Program: Teen dads at Cuyaboga Hills Juvenile Correctional Facility learn parenting skills](#)

PROFESSIONAL SERVICE

Ad Hoc Reviewer: *Journal of Cognitive Neuroscience, Developmental Cognitive Neuroscience, Developmental Psychobiology, Neuropsychopharmacology, Social Cognitive and Affective Neuroscience, Child Development, Cognition, Bilingualism: Language and Cognition, Developmental Science, Infancy, NeuroImage*

Professional Memberships: *Cognitive Neuroscience Society (CNS), International Society for Integrative Developmental Cognitive Neuroscience (FLUX), Association for Psychological Science (APS), American Psychological Association (APA), International Society in Infant Studies (ISIS), International Society for Developmental Psychobiology (ISDP), Society for Research in Child Development (SRCD)*

Service: APA Division 7 Early Career Research Grant Committee; NSF STEM Cognition Panel Grant Reviewer

