

**Natalie Hiromi Brito**  
Curriculum Vitae

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Columbia University Medical Center  
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**Education:**

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

**Positions:**

- 2015–*            **Postdoctoral Research Fellow**  
*2016*            Sackler Institute for Developmental Psychobiology, Parent-Infant Project  
Columbia University Medical Center
- 2013–*            **Health & Society Postdoctoral Scholar**  
*2015*            Robert Wood Johnson Foundation  
Columbia University
- Summer*        **Visiting Researcher**  
*2012*            Speech Acquisition & Perception Group, University of Pompeu Fabra
- 2009–*            **Statistics Consultant**  
*2011*            WETA TV and Public Broadcasting Station, Arlington VA

**Awards & Recognition:**

- 2015*            Best Poster Award  
International Society for Developmental Psychobiology 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 – 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

- 2012 Elizabeth Munsterberg Koppitz Child Psychology Fellowship  
American Psychological Foundation
- 2011 Language Scholarship Award  
Georgetown University
- 2009 Best Poster Award  
International Society for Developmental Psychobiology Annual Conference

**Grants:**

- 2015 RWJF Health & Society Program Seed Grant (Role: PI, \$9,890)  
Robert Wood Johnson Foundation
- 2014 Population Research Center Seed Grant (Role: Co-PI, \$4,660)  
Columbia University
- 2013 RWJF Health & Society Program Seed Grant (Role: PI, \$16,173)  
Robert Wood Johnson Foundation
- 2012 Dissertation Abroad Grant (Role: PI, \$5,000)  
Georgetown University
- 2012 International Collaborative Research Grant (Role: Co-PI, \$900)  
Georgetown University
- 2005 Double Hoo Research Grant (Role: Co-PI, \$5,000)  
University of Virginia

**Travel Awards:**

- 2015 NIH and Sackler Institute Conference Travel Grant (\$1500)
- 2014 NIH and Sackler Institute Conference Travel Grant (\$400)
- 2012 Georgetown Graduate School of Arts & Sciences Conference Travel Grant (\$500)
- 2011 Cognitive Development Society Conference Travel Grant (\$400)
- 2010 NIH and Sackler Institute Conference Travel Grant (\$300)
- 2010 Georgetown Graduate School of Arts & Sciences Conference Travel Grant (\$444)
- 2009 NIH and Sackler Institute Conference Travel Award (\$550)

**Publications:**

*Under Review*

**Brito, N.H.**, Fifer, W.P., Myers, M., Elliott, A.J., & Noble, K.G. (under review). Associations among family socioeconomic status, EEG power at birth, and cognitive skills during infancy.

Barr, R., **Brito, N.H.**, Nugent, C., & Zimmermann, L. (under review). Limits on the bilingual advantage in memory generalization in a challenging transfer task during infancy

- Murphy, E.R., **Brito, N.H.**, Vaidya, C., & Barr, R. (under review). Trait Differences in Costs of Cognitive Control on Encoding and Retrieval
- 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 (under review) Contributions of the home environment to early disparities in language development.

*Peer Reviewed Journal Publications*

- Brito, N.H.**, Murphy, E.R., Vaidya, C., & Barr, R. (2015). Do Bilingual Advantages in Attentional Control Influence Memory Encoding during a Divided Attention Task? *Bilingualism: Language and Cognition*.
- 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
- 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
- Brito, N.H.** & Noble, K.G. (2014). Socioeconomic status and structural brain development. *Frontiers in Neuroscience*, 8, 276. DOI: 10.3389/fnins.2014.00276
- 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
- Brito, N.H.**, Sebastián-Gallés, N., & Barr, R. (2014). 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
- 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
- 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
- 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
- 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
- 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
- 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:**

- 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.

- 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
- 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*.
- 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
- Vishton, P. M. & **Brito, N.** (2008). Motor Development. In N. Salkind, *Encyclopedia of Educational Psychology*. Thousand Oaks, CA: Sage Publications.

### **Refereed Conference Presentations:**

#### *Talks*

- Invited Speaker**, Social Issues Roundtable (2015, October). *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 (2015, March), *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.
- Noble, K.G., **Brito, N.H.**, Melvin, S.A., Engelhardt, L., Fifer, W.P., & Elliot, A. (2015, March). *Socioeconomic Disparities and Contributions of the Home Environment to Infant and Toddler Language Development*. Talk presented at the SRCD Biennial Meeting, Philadelphia, PA.
- Melvin, S.A., Calihan, J., **Brito, N.H.**, Noble, K.G. (2015, March). *Parent Stress as a Mediator of the SES Language Gap*. Talk presented at the SRCD Biennial Meeting, Philadelphia, PA.
- Chair and Speaker**, Symposium (2014, July), *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.
- Sanlorenzo, L., **Brito, N.H.**, & Noble, K. (2014, May). *Improving Anticipatory Guidance in Reach Out and Read: A Parent Bookmark Intervention*. Oral presentation presented at the annual Pediatric Academic Societies Meeting, Vancouver, BC, Canada.
- Brito, N.**, Barr, R., Rodriguez, J., & Shauffer, C. (2012, March). *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.
- Frank, H., **Brito, N.**, Barr, R., & Shuler, J. (2012, March) *Parent-infant interactions and executive functioning in bilingual and monolingual children*. Talk presented at the EPA annual meeting, Pittsburgh, PA.
- Brito, N.**, Barr, R. McIntyre, P., Atkinson, E., & Simcock, G. (2011, March). *Long-term retention and reactivation of forgotten memories from books during toddlerhood*. Talk presented at the SRCD biennial meeting, Montreal, Canada.
- Barr, R., **Brito, N.**, Reina, S., Wilson, N., Shauffer, C. & Rodriguez, J. (2011, March). *Teen father-child interaction in a juvenile detention facility: An intervention study*. Talk presented at the Eastern Psychological Association. Boston, MA.
- Brito, N.** Barr, R., McIntyre, P., Lieberman, J., Shauffer, C., & Rodriguez, J. (2010, April). *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. (2010, March). *Long-term Retention from Books and Video during Toddlerhood*. Talk presented at the ICIS biennial meeting, Baltimore, MD.

Vishton, P.M., **Brito, N.**, & Brunick, K.L. (2007, October). *Development of visual cognition: No pressing need to model results of shape specific scale error studies*. Talk presented at the Cognitive Development Society Biennial Meeting, Santa Fe, NM.

#### Posters

**Brito, N.H.**, Morales-Gracia, M., Noble, K.G. (2016, April). *Examining Effects of Family Socioeconomic Status and Bilingualism on Brain Structure and Cognitive Skills During Early Childhood*. Poster presented at the Cognitive Neuroscience Society Annual Meeting.

**Brito, N.H.**, Noble, K.G., Myers, M.M., Fifer, W.P., & Elliott, A.J. (2015, July). *Associations Between Socioeconomic Status, EEG Power at Birth, and Cognitive Skills During Infancy*. Presented at the ISDP annual meeting, San Sebastian, Spain.

**Brito, N.H.**, Grenell, A., Cuppari, R., Nugent, C., & Barr, R. (2014, November). *Specificity in the bilingual advantage for memory during infancy*. Poster presented at the ISDP Annual Meeting, Washington, D.C.

**Brito, N.H.**, Engelhardt, L., Mack, L., Nail, E., Barr, R., Fifer, W., Elliot, A., & Noble, K.G. (2014, July). *Socioeconomic Status is Associated with Language and Memory in the First Two Years*. Poster presented at the biennial meeting of the ICIS, Berlin, Germany.

**Brito, N.**, Barr, R., & Sebastián-Galles, N. (2013, April). *Is Language Rhythm Associated with Bilingual Memory Generalization Advantage?* Poster presented at the SRCD biennial meeting, Seattle, WA.

**Brito, N.** & Barr, R. (2012, October). *Bilingual Advantage in Memory Generalization at 6-months*. Poster presented at the ISDP Annual Meeting, New Orleans, LA.

**Brito, N.**, Shuler, J., Frank, H., & Barr, R. (2012, June). *The Effect of Bilingualism on Memory Specificity for 18- and 24-month-olds*. Poster presented at the ICIS biennial meeting, Minneapolis, MN.

**Brito, N.**, Frank, H., Shuler, J., & Barr, R. (2011, November). *Effect of bilingualism on memory specificity during infancy*. Poster presented at the ISDP Annual Meeting, Washington, DC.

**Brito, N.**, Atkinson, E., & Barr, R. (2011, October). *Cognitive flexibility in monolingual and bilingual infants*. Poster presented at the CDS Biennial Meeting, Philadelphia, PA.

**Brito, N.**, McIntyre, P., Atkinson, E., Barr, R., & Simcock, G. (2010, November). *Can reminders be used to reactivate forgotten memories from books during toddlerhood?* Poster presented at the ISDP Annual Meeting, San Diego, CA.

**Brito, N.**, Simcock, G., Neary, P., & Barr, R. (2010, March). *The Effects of Description and Depiction on Infants Imitation from Picture Books*. Poster presented at the ICIS biennial meeting, Baltimore, MD.

**Brito, N.**, Barr, R., McIntyre, P., Lieberman, J., Shauffer, C., & Rodriguez, J. (2010, March). *The Baby Elmo Project: Examining Parent-Infant Interactions within the Juvenile Justice Facilities*. Poster presented at the biennial meeting of the International Conference on Infant Studies, Baltimore, MD.

**Brito, N.**, Barr, R., & Simcock, G. (2009, October). *Using verbal cues to facilitate learning from books and television during toddlerhood*. Poster presented at the International Society for Developmental Psychobiology Annual Meeting, Chicago, IL.

**Brito, N.**, Brunick, K., & Vishton, P. M. (2009, April). *How object properties influence the frequency of scale errors during object-directed reaching*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

**Brito, N.** & Vishton, P. M. (2008, March). *Influences of motor system state on Ebbinghaus illusion magnitude*. Poster presented at the 7<sup>th</sup> annual W&M Graduate Research Symposium, Williamsburg, VA.

**Service & Professional Affiliations:**

<i>2015 – Present</i>	<i>Developmental Psychobiology</i> (Ad hoc reviewer)
<i>2015 – Present</i>	<i>Developmental Cognitive Neuroscience</i> (Ad hoc reviewer)
<i>2015 – Present</i>	<i>Neuropsychopharmacology</i> (Ad hoc reviewer)
<i>2014 – Present</i>	<i>Social Cognitive and Affective Neuroscience</i> (Ad hoc reviewer)
<i>2014 – Present</i>	<i>Child Development</i> (Ad hoc reviewer)
<i>2013 – Present</i>	<i>Developmental Science</i> (Ad hoc reviewer)
<i>2013 – Present</i>	<i>Cognition</i> (Ad hoc reviewer)
<i>2013 – Present</i>	<i>Bilingualism: Language and Cognition</i> (Ad hoc reviewer)
<i>2015 – Present</i>	CNS: Cognitive Neuroscience Society (Member)
<i>2014 – Present</i>	Flux: International Society for Integrative Developmental Cognitive Neuroscience (Member)
<i>2010 – Present</i>	APS: Association for Psychological Science (Member)
<i>2009 – Present</i>	APA: American Psychological Association (Member)
<i>2009 – Present</i>	ISIS: International Society on Infant Studies (Member)
<i>2008 – Present</i>	ISDP: International Society for Developmental Psychobiology (Member)
<i>2007 – Present</i>	SRCD: Society for Research in Child Development (Member)
<i>2007 – 2011</i>	CDS: Cognitive Development Society (Member)

**Invited Speaker:**

<i>February 2016</i>	Bridging the Word Gap Research Network, San Diego, CA
<i>February 2016</i>	Department of Psychiatry, Women's Program, Columbia University Medical Center, New York, NY.
<i>January 2015</i>	Sackler Institute for Developmental Psychobiology - Winter Meeting, Costa Rica.
<i>November 2015</i>	Department of Psychology, Rutgers University, Newark, NY
<i>June 2015</i>	Neurobehavioral Assessment in Toddlers Expert Panel, Mead Johnson Pediatric Nutrition Institute, Chicago IL.
<i>April 2015</i>	Columbia Translational Neuroscience Initiative, Columbia University Medical Center, New York, NY.
<i>April 2014</i>	Department of Psychology, Columbia University, New York, NY.
<i>April 2014</i>	Mercy College and Manhattanville College Undergraduate Research Conference. Dobbs Ferry, NY.
<i>October 2013</i>	Departments of Psychology and Comparative Human Development, University of Chicago, Chicago, IL.

**Teaching Experience:**

<i>October 2015</i>	<b>Guest Lecturer</b> , Infant Development Barnard College
<i>September 2015</i>	<b>Guest Lecturer</b> , Child Development and Public Health Columbia University Medical Center
<i>March 2015</i>	<b>Guest Lecturer</b> , Psychobiology of Infant Development Columbia University
<i>February 2015</i>	<b>Guest Lecturer</b> , Intro to Cultural Development Columbia University
<i>October 2014</i>	<b>Guest Lecturer</b> , Infant Development Barnard College

- March 2014*                    **Guest Lecturer**, Intro to Cultural Development  
Columbia University
- Spring 2011*                    **Instructor**, Infancy Seminar  
Georgetown University
- 2011*                            **Apprenticeship in Teaching Program**  
Georgetown University Center for New Designs in Learning & Scholarship
- 2009-2011*                    **Teaching Fellow**, Research Methods & Statistics  
Georgetown University (Fall 2009, Spring 2010, Fall 2011)
- Spring 2009*                    **Teaching Fellow**, General Psychology  
Georgetown University
- Fall 2008*                     **Teaching Fellow**, Theories of Personality  
Georgetown University
- Fall 2007*                     **Teaching Assistant**, Advanced Research Methods  
College of William and Mary
- 2006-2008*                    **Teaching Assistant**, Elementary Statistics  
College of William and Mary (Fall 2006, Spring 2007, Spring 2008)

**Mentoring Experience:**

- 2014-2015*                    Breonna Ferrentino – Barnard College Neuroscience Undergraduate Honor’s Thesis “Prospective Cohort Study of the Effects of Gestational Age on Development: EEG Results Serve as a Predictor”
- 2014-2015*                    Michelle Jamison – Columbia University Medical Center Department of Pediatrics Resident Research Project “EEG activation profiles amongst neonates of depressed mothers during the first days of life.”
- 2011-2012*                    Hannah Frank – Georgetown University Psychology Undergraduate Honor’s Thesis “The Effects of Bilingualism on Executive Functioning Tasks in Infants”
- 2011-2012*                    John Shuler – Georgetown University Psychology Undergraduate Honor’s Thesis “Parent-child interactions during a joint picture-book reading activity”
- 2010-2011*                    Samantha Reina – Georgetown University Psychology Undergraduate Honor’s Thesis “The Baby Elmo Program: Increasing the quality of teen parent-child interactions within juvenile justice facilities”