

**CURRICULUM VITAE
OF
ELIZA L. NELSON
DEPARTMENT OF PSYCHOLOGY
FLORIDA INTERNATIONAL UNIVERSITY
LEGAL NAME: ELIZA L. ECCLES**

CONTACT INFORMATION

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EDUCATION

Ph.D.	University of Massachusetts Amherst, Neuroscience and Behavior	9/2007 – 8/2010
M.S.	University of Massachusetts Amherst, Neuroscience and Behavior	8/2004 – 8/2007
B.S.	Baldwin-Wallace College, Psychology and Communication Disorders (Now Baldwin Wallace University)	8/2000 – 5/2004

FULL-TIME ACADEMIC EXPERIENCE

Florida International University, Associate Professor Department of Psychology, Developmental Science/Cognitive Neuroscience	8/2019 – Present
Florida International University, Assistant Professor Department of Psychology, Developmental Science/Cognitive Neuroscience	8/2012 – 8/2019
University of North Carolina Chapel Hill, NIH/NICHHD Postdoctoral Fellow Center for Developmental Science	8/2010 – 8/2012

FUNDED RESEARCH

6. Infant motor skill trajectories and language outcomes
Role: PI / Sponsor: NIH/NICHHD R03HD097419 / Dates: 2019-2022 (NCE) / Total Costs: \$146,500
5. The origins of bimanual skill in infants
Role: PI / Sponsor: FIU Center for Children and Families / Dates: 2016-2017 / Total Costs: \$5,000
4. Measuring motor experience in the infant brain
Role: PI / Sponsor: FIU Center for Children and Families / Dates: 2015-2016 / Total Costs: \$5,000
3. Brain measures for examining lateralization in infants
Role: PI / Sponsor: FIU Center for Children and Families / Dates: 2014-2015 / Total Costs: \$4,000
2. Development of MacArthur-Bates forms and norms for children from varied Spanish language communities
Role: PI / Sponsor: San Diego State University Research Foundation / Dates: 2014-2018 / Total Costs: \$1,100
1. Human development: Interdisciplinary research training
Role: Postdoctoral Trainee / Sponsor: NIH/NICHHD T32-HD007376 / Dates: 2010-2012 / Total Costs: \$78,288

PUBLICATIONS IN DISCIPLINE (48)

Key: *Student I advised or am advising. IF = Impact Factor.

Peer-Reviewed Articles (41)

Summary Refereed Articles:

41 peer-reviewed journal articles (19 first author; 14 student first author)

Impact data from Journal Citation Reports 2022

41. Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (2024). Object skill advantage in infants with a hand preference. *Symmetry*, 16, 1148. <https://doi.org/10.3390/sym16091148>
IF: 2.7 | 5-Year IF: 2.7 | Rank (Quartile): Multidisciplinary Sciences 36/73 (Q2)
40. *Long, K.L., *Karimi, A., *Mini, A., Stephens, D.P., & **Nelson, E.L.** (2024). The meaning of adulthood for emerging adults with Down syndrome: Parent perspectives on relevant skills. *Journal of Applied Research in Intellectual Disabilities*, 37(5), e13286. <https://doi.org/10.1111/jar.13286>
IF: 2.1 | 5-Year IF: 2.8 | Rank (Quartile): Rehabilitation 40/169 (Q1); Psychology, Educational 33/74 (Q2)
39. **Nelson, E.L.** (2024). The future of comparative cognition: Answering developmental questions with big team science. *Comparative Cognition & Behavior Reviews*, 19, 79-83.
<https://doi.org/10.3819/CCBR.2024.190022>
IF: 0.4 | 5-Year IF: 1.4 | Rank (Quartile): Behavioral Sciences 55/55 (Q4)
38. **Nelson, E.L.**, *Taylor, M.A., *del Valle, A., & *Pavon, N. (2024). Reach-to-grasp kinematic signatures in Colombian spider monkeys (*Ateles fusciceps rufiventris*). *Journal of Comparative Psychology*, 138(1), 56-67.
<https://doi.org/10.1037/com0000355>
IF: 1.4 | 5-Year IF: 1.6 | Rank (Quartile): Zoology 77/176 (Q2); Psychology – Multidisciplinary 107/147 (Q3); Psychology 70/81 (Q4); Behavioral Sciences 45/52 (Q4)
37. *Taylor, M.A., & Coxe, S., & **Nelson, E.L.** (2024). Early object skill supports growth in role-differentiated bimanual manipulation in infants. *Infant Behavior & Development*, 74, 101925.
<https://doi.org/10.1016/j.infbeh.2024.101925>
IF: 2.1 | 5-Year IF: 2.5 | Rank (Quartile): Psychology – Developmental 51/76 (Q3)
36. *Contino, K., Campbell, J.M., Marcinowski, E.C., Michel, G.F., Ramos, M., Coxe, S., Hayes, T., & **Nelson, E.L.** (2024). Hand preference trajectories as predictors of language outcomes above and beyond SES: Infant patterns explain more variance than toddler patterns at 5 years of age. *Infant and Child Development* 33(3), e2468. <https://doi.org/10.1002/ICD.2468>
IF: 2.2 | 5-Year IF: 2.3 | Rank (Quartile): Psychology – Developmental 47/76 (Q3)
35. *Karimi, A., & **Nelson, E.L.** (2023). Motor-language links in children with Down syndrome: A scoping review to revisit the literature with a developmental cascades lens. *Frontiers in Psychology*, 14, 1275325.
<https://doi.org/10.3389/fpsyg.2023.1275325>
IF: 3.8 | 5-Year IF: 4.3 | Rank (Quartile): Psychology – Multidisciplinary 34/147 (Q1)
**Contribution to the Research Topic *Cognitive-Motor Development and Its Consequences in Children with Neurodevelopmental Disorders*.
34. **Nelson, E. L.**, & *Karimi, A. (2023). Systematic Review: The development of behavioral laterality across the first year of life in nonhuman primates. *Symmetry*, 15(7), 1335. <https://doi.org/10.3390/sym15071335>
IF: 2.7 | 5-Year IF: 2.7 | Rank (Quartile): Multidisciplinary Sciences 36/73 (Q2)
Selected as the July 2023 cover image
**Contribution to the Special Issue *Early Laterality in Behaviour and Brain*.

33. Needham, A.W., & Nelson, E.L. (2023). How babies use their hands to learn about objects: Exploration, reach-to-grasp, manipulation, and tool use. *WIREs Cognitive Science*, 14(6), e1661.
<https://doi.org/10.1002/wcs.1661>
IF: 3.9 | 5-Year IF: 4.8 | Rank (Quartile): Psychology – Experimental 14/89 (Q1)
****Wiley Top Cited Article Certificate March 2025****
32. Vingerhoets, G., Verhelst, H., Gerrits, R., Badcock, N., Bishop, D.V.M., Carey, D., ... & LICI consortium, including E. Nelson. (2023). Laterality indices consensus initiative (LICI): A Delphi expert survey report on recommendations to record, assess, and report asymmetry in human behavioural and brain research. *Laterality*, 28(2-3), 122-191. <https://doi.org/10.1080/1357650X.2023.2199963>
IF: 1.4 | 5-Year IF: 1.5 | Rank (Quartile): Psychology – Multidisciplinary 107/147 (Q3); Psychology – Experimental 81/89 (Q4)
31. Marcinowski, E.C., Nelson, E.L., Campbell, J.M., & Michel, G.F. (2023). Early, concurrent, and consistent hand preferences predict stacking in toddlerhood. *Developmental Psychobiology*, 65(5), e22397.
<https://doi.org/10.1002/dev.22397>
IF: 2.2 | 5-Year IF: 2.3 | Rank (Quartile): Developmental Biology 27/39 (Q3); Psychology 46/81 (Q3)
30. Nelson, E.L. (2022). Developmental cascades as a framework for primate handedness. *Frontiers in Behavioral Neuroscience*, 16, 1063348. <https://doi.org/10.3389/fnbeh.2022.1063348>
IF: 3.0 | 5-Year IF: 3.6 | Rank (Quartile): Behavioral Sciences 16/52 (Q2); Neurosciences 163/272 (Q3)
****Contribution to the Research Topic Expert Opinion in Environmental and Genetic Factors Impacting Functional Brain Lateralization in Development and Evolution.**
29. Nelson, E.L. (2022). Insights into human and nonhuman primate handedness from measuring both hands. *Current Directions in Psychological Science*, 31(2), 154-161. <https://doi.org/10.1177/09637214211062876>
IF: 7.2 | 5-Year IF: 9.2 | Rank (Quartile): Psychology – Multidisciplinary 12/147 (Q1)
28. *Gonzalez, S.L., & Nelson, E.L. (2021). Factor Analysis of the Home Handedness Questionnaire: Unimanual and role differentiated bimanual manipulation as separate dimensions of handedness. *Applied Neuropsychology: Adult*, 28(2), 173-184. <https://doi.org/10.1080/23279095.2019.1611578>
IF: 2.2 | 5-Year IF: 2.4 | Rank (Quartile): Psychology 50/77 (Q3); Clinical Neurology 156/208 (Q3)
27. *Boeving, E.R., Rodrigues, M.A., & Nelson, E.L. (2020). Network analysis as a tool to understand social development in spider monkeys. *American Journal of Primatology*, 82(11), e23182.
<https://doi.org/10.1002/ajp.23182>
IF: 2.4 | 5-Year IF: 2.7 | Rank (Quartile): Zoology 25/176 (Q1)
****Contribution to Special Joint Issue of Developmental Psychobiology and American Journal of Primatology: Psychobiological Development in Primates.**
26. Nelson, E.L., & *Gonzalez, S.L. (2020). Measuring infant handedness reliably from reaching: A systematic review. *Laterality*, 25(4), 430-454. <https://doi.org/10.1080/1357650X.2020.1726367>
IF: 1.4 | 5-Year IF: 1.5 | Rank (Quartile): Psychology – Multidisciplinary 107/147 (Q3); Psychology – Experimental 81/89 (Q4)
25. *Gonzalez, S.L., Campbell, J.M., Marcinowski, E.C., Michel, G.F., Coxe, S., & Nelson, E.L. (2020). Preschool language ability is predicted by toddler hand preference trajectories. *Developmental Psychology*, 56(4), 699–709. <https://doi.org/10.1037/dev0000900>
IF: 4.0 | 5-Year IF: 5.0 | Rank (Quartile): Psychology – Developmental 15/76 (Q1)
24. *Gonzalez, S.L., *Alvarez, V. & Nelson, E.L. (2019). Do gross and fine motor skills differentially contribute to language outcomes: A systematic review. *Frontiers in Psychology*, 10: 2670.
<https://doi.org/10.3389/fpsyg.2019.02670>
IF: 3.8 | 5-Year IF: 4.3 | Rank (Quartile): Psychology – Multidisciplinary 34/147 (Q1)

**Contribution to Research Topic *Understanding Trajectories and Promoting Change from Early to Complex Skills in Typical and Atypical Development: A Cross-Population Approach*
[Reprinted 2021 in A. Sansavini, A. Guarinni, Libertus, M., Libertus, K., Benassi, M., J. Iverson (Eds.), *Understanding Trajectories and Promoting Change from Early to Complex Skills in Typical and Atypical Development: A Cross-Population Approach* (pp. 31-46). Lausanne: Frontiers Media SA.
<https://doi.org/10.3389/978-2-88966-643-0>]

23. **Nelson, E.L.**, *Gonzalez, S.L., El-Asmar, J.M., Ziade, M.F., & Abu-Rustum, R.S. (2019). The Home Handedness Questionnaire: Pilot data from preschoolers. *Laterality*, 24(4), 482-503.
<https://doi.org/10.1080/1357650X.2018.1543313>
IF: 1.4 | 5-Year IF: 1.5 | Rank (Quartile): Psychology – Multidisciplinary 107/147 (Q3); Psychology – Experimental 81/89 (Q4)

22. Marcinowski, E.C., **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2019). The development of object construction from infancy through toddlerhood. *Infancy*, 24(3), 368-391. <https://doi.org/10.1111/infa.12284>
IF: 2.6 | 5-Year IF: 2.7 | Rank (Quartile): Psychology – Developmental 35/76 (Q2)

21. *Gonzalez, S.L., & **Nelson, E.L.** (2018). Measuring Spanish comprehension in infants from mixed Hispanic communities using the IDHC: A preliminary study on 16-month-olds. *Behavioral Sciences*, 8(12), 117.
<https://doi.org/10.3390/bs8120117>
IF: 2.6 | 5-Year IF: 3.2 | Rank (Quartile): Psychology, Multidisciplinary 61/147 (Q2)

20. *Boevig, E.R., & **Nelson, E.L.** (2018). Social risk dissociates social network structure across lateralized behaviors in spider monkeys. *Symmetry*, 10(9), 390. <https://doi.org/10.3390/sym10090390>
IF: 2.7 | 5-Year IF: 2.7 | Rank (Quartile): Multidisciplinary Sciences 36/73 (Q2)

**Contribution to Special Issue *Left Versus Right Asymmetries of Brain and Behaviour*

[Reprinted 2019 in L.J. Rogers (Ed.), *Left Versus Right Asymmetries of Brain and Behaviour* (pp. 11-19). Basel, Switzerland: MDPI Books. <https://doi.org/10.3390/books978-3-03921-693-2>]

19. **Nelson, E.L.**, Berthier, N.E., & Konidaris, G.D. (2018). Handedness and reach-to-place kinematics in adults: Left-handers are not reversed right-handers. *Journal of Motor Behavior*, 50(4), 381-391.
<https://doi.org/10.1080/0022895.2017.1363698>
IF: 1.4 | 5-Year IF: 1.4 | Rank (Quartile): Neurosciences 251/272 (Q4); Psychology 70/81 (Q4); Psychology – Experimental 81/89 (Q4); Sport Sciences 75/87 (Q4)

18. **Nelson, E.L.**, & *Kendall, G.A. (2018). Goal-directed tail use in Colombian spider monkeys (*Ateles fusciceps rufiventris*) is highly lateralized. *Journal of Comparative Psychology*, 132(1), 40-47.
<https://doi.org/10.1037/com0000094>
IF: 1.4 | 5-Year IF: 1.6 | Rank (Quartile): Zoology 77/176 (Q2); Psychology – Multidisciplinary 107/147 (Q3); Psychology 70/81 (Q4); Behavioral Sciences 45/52 (Q4)

17. **Nelson, E.L.**, *Gonzalez, S.L., Coxe, S., Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (2017). Toddler hand preference trajectories predict 3-year language outcome. *Developmental Psychobiology*, 59(7), 876-887.
<https://doi.org/10.1002/dev.21560>
IF: 2.2 | 5-Year IF: 2.3 | Rank (Quartile): Developmental Biology 27/39 (Q3); Psychology 46/81 (Q3)

16. *Boevig, E.R., *Belnap, S.C., & **Nelson, E.L.** (2017). Embraces are lateralized in spider monkeys (*Ateles fusciceps rufiventris*). *American Journal of Primatology*, 79(6), e22654. <https://doi.org/10.1002/ajp.22654>
IF: 2.4 | 5-Year IF: 2.7 | Rank (Quartile): Zoology 25/176 (Q1)

15. Michel, G.F., Campbell, J.M., Marcinowski, E.C., **Nelson, E.L.**, & Babik, I. (2016). Infant hand preference and the development of cognitive abilities. *Frontiers in Psychology*, 7, 410.
<https://doi.org/10.3389/fpsyg.2016.00410>
IF: 3.8 | 5-Year IF: 4.3 | Rank (Quartile): Psychology – Multidisciplinary 34/147 (Q1)

**Contribution to Research Topic *Motor Skills and Their Foundational Role for Perceptual, Social, and Cognitive Development*

[Reprinted 2017 in P. Hauf & K. Libertus (Eds.), *Motor Skills and Their Foundational Role for Perceptual, Social, and Cognitive Development* (pp. 10-15). Lausanne: Frontiers Media. <https://doi.org/10.3389/978-2-88945-159-3>] ****Research Topic Top 10 Finalist for Frontiers Spotlight Award****

14. *Gonzalez, S.L., Reeb-Sutherland, B.C., & **Nelson, E.L.** (2016). Quantifying motor experience in the infant brain: EEG power, coherence, and mu desynchronization. *Frontiers in Psychology*, 7, 216.

<https://doi.org/10.3389/fpsyg.2016.00216>

IF: 3.8 | 5-Year IF: 4.3 | Rank (Quartile): Psychology – Multidisciplinary 34/147 (Q1)

**Contribution to Research Topic *Motor Skills and Their Foundational Role for Perceptual, Social, and Cognitive Development*

[Reprinted 2017 in P. Hauf & K. Libertus (Eds.), *Motor Skills and Their Foundational Role for Perceptual, Social, and Cognitive Development* (pp. 278-283). Lausanne: Frontiers Media. <https://doi.org/10.3389/978-2-88945-159-3>] ****Research Topic Top 10 Finalist for Frontiers Spotlight Award****

13. **Nelson, E.L.**, & *Boeving, E.R. (2015). Precise digit use increases the expression of handedness in Colombian spider monkeys (*Ateles fusciceps rufiventris*). *American Journal of Primatology*, 77(12), 1253-1262.

<https://doi.org/10.1002/ajp.22478>

IF: 2.4 | 5-Year IF: 2.7 | Rank (Quartile): Zoology 25/176 (Q1)

12. *Gonzalez, S.L., & **Nelson, E.L.** (2015). Addressing the gap: A blueprint for studying bimanual hand preference in infants. *Frontiers in Psychology*, 6, 560. <https://doi.org/10.3389/fpsyg.2015.00560>

IF: 3.8 | 5-Year IF: 4.3 | Rank (Quartile): Psychology – Multidisciplinary 34/147 (Q1)

**Contribution to Research Topic *Hand and Touch: Evolution, Ability and Preference*

11. *Boeving, E.R., Lacreuse, A., Hopkins, W.D., Phillips, K.A., Novak, M.A., & **Nelson, E.L.** (2015).

Handedness influences intermanual transfer in chimpanzees (*Pan troglodytes*) but not rhesus monkeys (*Macaca mulatta*). *Experimental Brain Research*, 233, 829-837. <https://doi.org/10.1007/s00221-014-4158-8>

IF: 2.0 | 5-Year IF: 2.1 | Rank (Quartile): Neurosciences 227/272 (Q4)

10. **Nelson, E.L.**, *Figueroa, A., *Albright, S.N., & *Gonzalez, M.F. (2015). Evaluating handedness measures in spider monkeys. *Animal Cognition*, 18, 345-353. <https://doi.org/10.1007/s10071-014-0805-5>

IF: 2.7 | 5-Year IF: 2.8 | Rank (Quartile): Zoology 15/176 (Q1); Behavioral Sciences 20/52 (Q2)

9. **Nelson, E.L.**, Konidaris, G.D., & Berthier, N.E. (2014). Hand preference status and reach kinematics in infants. *Infant Behavior and Development*, 37, 615-623. <https://doi.org/10.1016/j.infbeh.2014.08.013>

IF: 2.1 | 5-Year IF: 2.5 | Rank (Quartile): Psychology – Developmental 51/76 (Q3)

8. **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2014). Early handedness in infancy predicts language ability in toddlers. *Developmental Psychology*, 50, 809-814. <https://doi.org/10.1037/a0033803>

IF: 4.0 | 5-Year IF: 5.0 | Rank (Quartile): Psychology – Developmental 15/76 (Q1)

7. Michel, G.F., Babik, I., **Nelson, E.L.**, Campbell, J.M., & Marcinowski, E.C. (2013). How the development of handedness could contribute to the development of language. *Developmental Psychobiology*, 55, 608-620.

<https://doi.org/10.1002/dev.21121>

IF: 2.2 | 5-Year IF: 2.3 | Rank (Quartile): Developmental Biology 27/39 (Q3); Psychology 46/81 (Q3)

6. **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2013). Unimanual to bimanual: Tracking the development of handedness from 6 to 24 months. *Infant Behavior and Development*, 36, 181-188.

<https://doi.org/10.1016/j.infbeh.2013.01.009>

IF: 2.1 | 5-Year IF: 2.5 | Rank (Quartile): Psychology – Developmental 51/76 (Q3)

****Elsevier Highly Cited Research Certificate December 2016****

5. **Nelson, E.L.**, Konidaris, G.D., Berthier, N.E., *Braun, M.C., Novak, M.F.S.X., Suomi, S.J., & Novak, M.A. (2012). Kinematics of reaching and implications for handedness in rhesus monkey infants. *Developmental Psychobiology*, 54, 460-467. <https://doi.org/10.1002/dev20604>

IF: 2.2 | 5-Year IF: 2.3 | Rank (Quartile): Developmental Biology 27/39 (Q3); Psychology 46/81 (Q3)

4. **Nelson, E.L.**, Berthier, N.E., Metevier, C.M., & Novak, M.A. (2011). Evidence for motor planning in monkeys: Rhesus macaques select efficient grips when transporting spoons. *Developmental Science*, 14, 822-831. <https://doi.org/10.1111/j.1467-7687.2010.01030.x>

IF: 3.7 | 5-Year IF: 4.8 | Rank(Quartile): Psychology – Experimental 17/89 (Q1); Psychology – Developmental 21/76 (Q2)

3. **Nelson, E.L.**, *Emery, M.S., *Babcock, S.M., Novak, M.F.S.X., Suomi, S.J., & Novak, M.A. (2011). Head orientation and handedness trajectory in rhesus monkey infants (*Macaca mulatta*). *Developmental Psychobiology*, 53, 246-255. <https://doi.org/10.1002/dev.20517>

IF: 2.2 | 5-Year IF: 2.3 | Rank (Quartile): Developmental Biology 27/39 (Q3); Psychology 46/81 (Q3)

****Selected as the 2011 Hennessy-Smotherman-Wiley Best Student Paper****

2. **Nelson, E.L.**, *O'Karma, J.M., Ruperti, F.S., & Novak, M.A. (2009). Laterality in semi-free-ranging black and white ruffed lemurs (*Varecia variegata variegata*): Head-tilt correlates with hand use during feeding. *American Journal of Primatology*, 71, 1032-1040. <https://doi.org/10.1002/ajp.20746>

IF: 2.4 | 5-Year IF: 2.7 | Rank (Quartile): Zoology 25/176 (Q1)

1. Hopkins, W., Cantalupo, C., Freeman, H., Russell, J., Kachin, M., & **Nelson, E.** (2005). Chimpanzees are right-handed when recording bouts of hand use. *Laterality*, 10, 121-130.

<https://doi.org/10.1080/13576500342000347>

IF: 1.4 | 5-Year IF: 1.5 | Rank (Quartile): Psychology – Multidisciplinary 107/147 (Q3); Psychology – Experimental 81/89 (Q4)

Chapters in Books (6)

6. Michel, G.F., Babik, I., **Nelson, E.L.**, Ferre, Cl., Campbell, J.M., & Marcinowski, E.C. (2025). Development of handedness and other lateralized functions during infancy and early childhood. In P. Corballis and C. Papagno (Eds.), *Handbook of Clinical Neurology*, Vol. 207 (3rd series). *Cerebral Asymmetries*. Elsevier.

<https://doi.org/10.1016/B978-0-443-15646-5.00003-8>

IF: NA | 5-Year IF: NA | Rank (Quartile): NA

5. **Nelson, E.L.**, *Alvarez, J., *Jimenez, B., & *Padron, K. (2022). State of the field: Developmental primate cognition. In B.L. Schwartz & M.J. Beran (Eds.), *Primate Cognitive Studies* (pp. 88-114). New York: Cambridge University Press. <https://doi.org/10.1017/9781108955836.005>

IF: NA | 5-Year IF: NA | Rank (Quartile): NA

4. Needham, A.W., **Nelson, E.L.**, Short, A.D., Daunhauer, L.A., & Fidler, D.J. (2021). The emergence of fine motor skills in children with Down syndrome. In R.M. Hodapp & D.J. Fidler (Eds.), *International Review of Research in Developmental Disabilities*, 60, 113-151. Elsevier. <https://doi.org/10.1016/bs.irrdd.2021.08.002>

IF: 0.889 | 5-Year IF: 1.652 | Rank (Quartile): Education – Special 43/44 (Q4); Psychology – Multidisciplinary 118/140 (Q4)

3. Michel, G.F., Babik, I., **Nelson, E.L.**, Campbell, J.M., & Marcinowski, E.C. (2018). Evolution and development of handedness: An evo-devo approach. In: G.S. Forrester, W.D. Hopkins, K. Hurdy, & A. Lindell, Eds., *Progress in Brain Research (Vol. 238)*, Cerebral Lateralization and Cognition: Evolutionary and Developmental Investigations of Behavioral Biases (pp. 347-376). Cambridge, MA: Elsevier.

<https://doi.org/10.1016/bs.pbr.2018.06.007>

IF: 2.453 | 5-Year IF: 3.496 | Rank (Quartile): Neurosciences 206/273 (Q4)

2. Michel, G.F., Marcinowski, E.C., Babik, I., Campbell, J.M., & **Nelson, E.L.** (2015). An interdisciplinary biopsychosocial perspective on psychological development. In S.D. Calkins (Ed.), *Handbook of Infant Development: Biopsychosocial Perspectives* (pp. 427-446). Guildford Publications.

IF: NA | 5-Year IF: NA | Rank (Quartile): NA

1. Michel, G.F., **Nelson, E.L.**, Babik, I., Campbell, J.M., & Marcinowski, E.C. (2013). Multiple trajectories in the developmental psychobiology of human handedness. In R.M. Lerner & J.B. Benson (Eds.), *Embodiment and Epigenesis: Theoretical and Methodological Issues in Understanding the Role of Biology within the Relational Developmental System Part B: Ontogenetic Dimensions* (pp. 227-260). Elsevier: Academic Press.

<https://doi.org/10.1016/B978-0-12-397946-9.00009-9>

IF: 2.182 | 5-Year IF: 2.785 | Rank (Quartile): Psychology – Developmental 51/78 (Q3)

Published Instruments (1)

1. **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2013). Role-Differentiated Bimanual Manipulation (RDBM) Handedness Assessment. PsycTESTS Dataset. <https://doi.org/10.1037/t22653-000>

Posters, Talks, and Conference Proceedings (125)

Key: *Student I advised or am advising.

125. **Nelson, E.L.**, Short, A.D., *Karimi, A., *Long, K.L., Daunhauer, L.A., Diamond, S., & Needham, A.W. (2025, May). Parent perceptions of fine motor skills in children with Down syndrome. **Talk** presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN, USA.

124. Daunhauer, L., Van Deusen, K., **Nelson, E.L.**, Schworer, E., Fidler, D., & Needham, A.W. (2025, May). A new approach to characterizing fine motor manipulation in children with Down syndrome. **Talk** presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN, USA.

123. *Karimi, A., *Contino, K., Poznanski, B., Flores, H., Hart, K.C., & **Nelson, E.L.** (2025, May). Fine motor skill deficits in preschoolers with externalizing behavior problems predict school readiness delays. **Poster** presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN, USA.

122. *Contino, K., Campbell, J.M., Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (2025, May). Infant manipulation complexity trajectories as predictors of language outcomes at 2 years of age. **Poster** presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN, USA.

121. Abbs, B., Ramos, B., **Nelson, E.L.**, & Campbell, J.M. (2025, April). Assessment of a Home Handedness Questionnaire for Task Clarity. **Poster** presented at the 97th Annual Meeting of the Midwestern Psychological Association, Chicago, IL, USA.

120. Abbs, B., Ramos, B., **Nelson, E.L.**, & Campbell, J.M. (2025, April). Assessment of a Home Handedness Questionnaire for Task Clarity. **Poster** presented at the Illinois State University Graduate Research Symposium, Normal, IL, USA.

119. *Karimi, A., *Contino, K., Poznanski, B., Flores, H., Hart, K., & **Nelson, E.L.** (2025, April). Preschoolers with externalizing behavior problems have delays in fine motor skills. **Poster** presented at the Conference of Florida Graduate Schools Statement Graduate Research Poster Symposium, Boca Raton, FL, USA.

****Student first author selected for first place in Social Sciences, Business, and Education category****

118. *Pineiro, L., *Karimi, A., Marcinowski, E.C., Campbell, J.M., & **Nelson E.L.** (2025, April). The relation between object construction and spatial language in three-year-olds. **Poster** presented at the 2025 Undergraduate Research Conference at Florida International University, Miami, FL, USA.

117. *Alfaro, H., *Karimi, A., Poznanski, B., Hart, K.C., & **Nelson E.L.** (2025, April). Fine motor skills and executive function as predictors of school readiness in preschoolers with externalizing behavior problems. **Poster** presented at the 2025 Undergraduate Research Conference at Florida International University, Miami, FL, USA.
116. *Shoukry, C.V., Whishaw, I.Q., & **Nelson, E.L.** (2025, March). Squirrel monkeys use vision for withdraw-to-eat movements. **Poster** presented at the 32nd International Conference on Comparative Cognition, Albuquerque, New Mexico, USA. **Proceedings** published online (Abstract #P34).
115. *Shoukry, C.V., Whishaw, I.Q., & **Nelson, E.L.** (2025, January). Squirrel monkeys use vision for withdraw-to-eat movements. **Poster** presented at the 10th Florida Primate Meeting, Naples, Florida, USA.
114. *Shoukry, C., Weiss, D.J., & **Nelson, E.L.** (2024, September). Motor planning in Colombian spider monkeys: A test of the morphological constraint hypothesis. **Poster** presented at the 46th annual meeting of the American Society of Primatologists, Riviera Maya, Mexico [Virtual due to family emergency].
113. *Contino, K., & **Nelson, E.L.** (2024, July). Infant manipulation complexity and caregiver object labeling during play. **Poster** presented at the XXIV Biennial International Conference on Infant Studies, Glasgow, Scotland.
112. *Karimi, A., *Contino, K., & **Nelson, E.L.** (2024, May). When does handedness stabilize? A new look at preschoolers with LCGA. **Poster** presented at the International Conference on Development and Learning, Austin, TX, USA.
111. **Nelson, E.L.** (2024, April). Collecting cognitive data in socially-housed primates. **Talk** given in the Social Housing Roundtable at the 8th annual Florida Primatology meeting, Vero Beach, FL, USA.
110. *Shoukry, C., Weiss, D.J., & **Nelson, E.L.** (2024, April). Motor planning in Colombian spider monkeys: A test of the morphological constraint hypothesis. **Poster** presented at the 8th annual Florida Primatology meeting, Vero Beach, FL, USA.
109. *Rodriguez, V., *Contino, K., & **Nelson, E.L.** (2024, April). The AHEND-IS as a tool for predicting developmental outcomes: A review. **Poster** presented at the 2024 Undergraduate Research Conference at Florida International University, Miami, FL, USA.
108. *Alfaro, H., *Karimi, A., *Contino, K., Poznanski, B., Flores, H., Hart, K.C., & **Nelson E.L.** (2024, April). Delays in school readiness among preschoolers with externalizing behavior problems are associated with deficits in fine motor skills. **Poster** presented at the 2024 Undergraduate Research Conference at Florida International University, Miami, FL, USA.
107. *Pineiro, L., *De La Paz, J., *Contino, K., & **Nelson, E.L.** (2024, April). Is infants' manipulation complexity influenced by object affordances? **Poster** presented at the 2024 Undergraduate Research Conference at Florida International University, Miami, FL, USA.
106. *Contino, K., & **Nelson, E.L.** (2024, March). Infants' manipulation complexity is influenced by object affordances. **Poster** presented at the annual Cognitive Development Society conference, Pasadena, CA, USA.
105. *Shoukry, C., & **Nelson, E.L.** (2024, March). Motor planning in Colombian spider monkeys. **Poster** presented at the 70th annual meeting of the Southeastern Psychology Association, Orlando, FL, USA.
****Student author selected as CEPO/Psi Chi undergraduate research showcase session honoree****
****Student author selected for SEPA first place outstanding undergraduate research award****
104. *Long, K.L., **Nelson, E.L.**, & Stephens, D.P. (2024, February). Work as joy: Parental perspectives on barriers and facilitators to employment for emerging adults with Down syndrome. **Poster** presented at the 26th annual Rehabilitation Psychology conference, Austin, TX, USA.

103. *Rodriguez, V., *Contino, K., & **Nelson, E.L.** (2024, February). The AHEMID-IS as a tool for predicting developmental outcomes: A review. **Poster** presented at the 14th annual Florida Undergraduate Research Conference, Jacksonville, FL, USA.
102. *Long, K. L., *Chavez, S., *Karimi, A., *Mini, A., **Nelson, E. L.**, & Stephens, D.P. (2023, June). Becoming independent: Parental perceptions of work readiness in emerging adults with Down syndrome. **Poster** presented at the 147th annual meeting of the American Association on Intellectual and Developmental Disabilities, Philadelphia, PA, USA.
101. *Mini, A., *Long, K.L., *Karimi, A., *Chavez, S., **Nelson, E.L.**, & Stephens, D.P. (2023, April). Parental perceptions of personal strengths in emerging adults with Down syndrome. **Poster** presented at the 2023 Undergraduate Research Conference at Florida International University, Miami, FL, USA.
100. *Karimi, A., *Contino, K., Poznanski, B., Flores, H., Hart, K., & **Nelson, E.L.** (2023, March). Preschoolers with externalizing behavior problems have delays in fine motor skills. **Poster** presented at the 2023 Society for Research in Child Development biennial meeting, Salt Lake City, Utah, USA.
- 99.*Contino, K., Campbell, J.M., Marcinowski, E.C., Michel, G.F., Coxe, S., Hayes, T., & **Nelson, E.L.** (2022, November). Manipulation complexity from 9 to 14 months predicts language at 2, 3, and 5 years. **Poster** presented at the 55th annual meeting of the International Society for Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 64 (S2), S131.
98. Campbell, J.M., Marcinowski, E.C., **Nelson, E.L.**, Babik, I., & Michel, G.F. (2022, November). Does unimanual hand-preference mediate or moderate the relation between acquisition and role-differentiated bimanual hand-preference? **Poster** presented at the 55th annual meeting of the International Society for Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 64 (S2), S169.
97. *Contino, K., Campbell, J.M., Coxe, S.J., *Gonzalez, S.L., Hayes, T., Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (2022, July). Infant and toddler hand preference trajectories differentially predict language outcomes. **Talk** presented in the symposium *Cascades of Manual Exploration onto Language Outcomes* at the XXIII Biennial International Conference on Infant Studies, Ottawa, Canada.
96. *Contino, K., Campbell, J.M., Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (2022, July). Does manipulation complexity from 9 to 14 months predict language ability at 36 months? **Poster** presented at the XXIII Biennial International Conference on Infant Studies, Ottawa, Canada.
95. Campbell, J., Marcinowski, E.C., & **Nelson, E.L.** (2022, July). Lateralized manual mouthing behaviors during infancy relate to language at 2 and 5 years. **Talk** presented at the XXIII Biennial International Conference on Infant Studies, Ottawa, Canada.
94. Babik, I., **Nelson, E.L.**, Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (2022, July). The relation between tool use and language skills during infancy. **Poster** presented at the XXIII Biennial International Conference on Infant Studies, Ottawa, Canada.
93. Campbell, J.M., Marcinowski, E.C., & **Nelson, E.L.** (2022, June). The association between mouthing behaviors from 6-14 months and language at 2 and 5 years. **Poster** presented at the annual Jean Piaget Society conference (Putting Development Back into Evolution), Philadelphia, PA, USA.
92. Hemming, P., Bove, R., Campbell, J., & **Nelson, E.L.** (2022, April). The influence of an emotion-based art program on the development of social-emotional understanding in preschool children. **Poster** presented at the 2022 SRCD Special Topic Meeting: Learning Through Play and Imagination, St. Louis, Missouri, USA.
91. *Contino, K., Campbell, J.M., Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (2021, November). Latent profiles of infant hand preference as predictors of later language outcomes. **Poster** presented at the 54th

annual meeting of the International Society for Developmental Psychobiology, Chicago, IL, USA [hybrid meeting due to Covid-19]. **Proceedings** in *Developmental Psychobiology*, 64 (S1), S24.

90. Hemming, P., Bove, R., Campbell, J.M., & **Nelson, E.L.** (2021, April). The effects of emotion-based art instruction on social-emotional development in preschoolers. **Poster** presented at the 2021 Society for Research in Child Development virtual biennial meeting.

89. McNamara, A., Ullrich, T., Klendworth, K., Campbell, J.M., & **Nelson, E.L.** (2021, April). An increase in peer interactions predicts child's art performance above and beyond teacher interactions. **Poster** presented at the 2021 Society for Research in Child Development virtual biennial meeting.

88. **Nelson, E.L.**, *Taylor, M.A., & Coxe, S. (2020, October). Predicting growth trajectories of role-differentiated bimanual manipulation (RDBM) from early motor skills in infants. **Poster** presented at the 53rd annual meeting of the International Society for Developmental Psychobiology, Washington, D.C., USA [Virtual meeting due to Covid-19]. **Proceedings** in *Developmental Psychobiology*, 62 (S1), S44.

87. **Nelson, E.L.**, *Alvarez, J., *Jimenez, B., & *Padron K. (2020, October). Developmental primate cognition: A state of the field review. **Poster** presented at the 53rd annual meeting of the International Society for Developmental Psychobiology, Washington, D.C., USA [Virtual meeting due to Covid-19]. **Proceedings** in *Developmental Psychobiology*, 62 (S1), S43.

86. Ullrich, T., McNamara, A., Klednworth, K., **Nelson, E.L.**, & Campbell, J.M. (2020, October). The relation between fine motor ability and social-emotional skills in preschoolers. **Poster** presented at the 53rd annual meeting of the International Society for Developmental Psychobiology, Washington, D.C., USA [Virtual meeting due to Covid-19].

85. *Boeving, E.R. & **Nelson, E.L.** (2020, September). Skilled problem solvers make different social investments. **Talk** accepted for the 43rd meeting of the American Society of Primatologists, Denver, CO, USA [Cancelled due to Covid-19].

84. **Nelson, E.L.** (2020, July). Early handedness consistency predicts later language outcomes. **Talk** accepted for the 15th Congress of the International Association for the Study of Child Language, Philadelphia, PA, USA [Cancelled due to Covid-19].

83. Marcinowski, E.C., **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2020, July). Infant and toddler hand preferences predict differential stacking ability in toddlerhood. **Poster** presented at the XXII Biennial International Conference on Infant Studies, Glasgow, Scotland [Virtual meeting due to Covid-19].

82. *Gomez-Guevara, M., *Gonzalez, S.L., & **Nelson, E.L.** (2020, March). Infant motor cascades in the development of role-differentiated bimanual manipulation. **Talk** accepted for the MARC U*STAR and QBIC Mini-Symposium, Miami, FL, USA [Cancelled due to Covid-19].

81. *Boeving, E.R. & **Nelson, E.L.** (2020, January). Assessing cognition in spider monkeys (*Ateles fusciceps rufiventris*) using the Primate Cognition Test Battery (PCTB). **Talk** given at the South Florida Primatology annual meeting, Fort Pierce, FL, USA.

80. *Gonzalez, S.L., Campbell, J.M., Marcinowski, E.C., Michel, G.F., Coxe, S., & **Nelson, E.L.** (2019, October). Toddler hand preference trajectories predict 5 year language outcome. **Poster** presented at the 52nd annual meeting of the International Society on Developmental Psychobiology, Chicago, IL, USA. **Proceedings** in *Developmental Psychobiology*, 61 (S1), S28.

79. *Boeving, E.R., & **Nelson, E.L.** (2019, August). Embraces have predictive power in the multiplex network for indexing social bonds in captive Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Talk** presented at the 42nd meeting of the American Society of Primatologists, Madison, Wisconsin, USA. **Proceedings** in *American Journal of Primatology*, 82 (S1), 29-30.

78. *Taylor, M. A., *Gonzalez, S. L., Poznanski, B., Hart, K.C., & **Nelson, E.L.** (2019, August). Impact of fine motor skills on children's school readiness following a summer school program. **Poster** presented at the American Psychological Association annual convention, Chicago, IL, USA.
77. *Alvarez, V., *Gonzalez, S.L., & **Nelson, E.L.** (2019, April). Differences in predictive ability of gross and fine motor skills towards language outcomes: A systematic review. **Poster** presented at the 2019 Conference for Undergraduate Research at FIU, Miami, FL, USA.
76. *Boeving, E.R., & **Nelson, E.L.** (2019, April). Predicting multiplex networks from embraces in spider monkeys: computational tools for quantifying social bonds. **Poster** presented at the 2019 Graduate Student Appreciation Week Scholarly Program Poster Presentation Program, Miami, FL, USA.
75. *Gonzalez, S.L., Reeb-Sutherland, B., & **Nelson, E.L.** (2019, March). Fine motor skill predicts growth in expressive vocabulary from 12 to 24 months. **Poster** presented at the Society for Research in Child Development biennial meeting, Baltimore, MD, USA.
74. *del Valle, A., *Pavon, N., *Taylor, M.A., & **Nelson, E.L.** (2019, March). Defining kinematic signatures for measurements of goal-directed actions in *Ateles fusciceps*. **Poster** presented at the South Florida Primatology annual meeting, Miami, FL, USA.
73. *Boeving, E.R., & **Nelson, E.L.** (2019, March). Leveraging social network analysis to understand social bonds in captive primates: Development, interactions, and implications for management. **Talk** presented at the South Florida Primatology annual meeting, Miami, FL, USA.
72. *Gonzalez, S.L., Reeb-Sutherland, B. & **Nelson, E.L.** (2019, February). The role of fine motor skills on expressive language growth from 12 to 24 months. **Talk** presented at the McKnight Mid-Year Research and Writing Conference, Tampa, FL, USA.
71. *Boeving, E. R., & **Nelson, E.L.** (2018, November). Social risk and routine in context: Relating network structure to principles of brain organization in spider monkeys (*Ateles fusciceps rufiventris*). **Poster** presented at the Society for Social Neuroscience (S4SN) Annual Meeting, San Diego, CA, USA.
70. *Boeving, E. R., & **Nelson E.L.** (2018, November). Social network dynamics across two affiliative, but risky, interactions in Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Poster** presented at the 51st meeting of the International Society on Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 60 (S2), 10.
69. *Taylor, M.A. & **Nelson, E.L.** (2018, November). Early grasping skill predicts later growth in bimanual skill in infants. **Poster** presented at the 51st meeting of the International Society on Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 60 (S2), 63.
68. *Gonzalez, S.L. Reeb-Sutherland, B., & **Nelson, E.L.** (2018, November). Gross and fine motor skills differentially predict expressive and receptive language outcomes. **Poster** presented at the 51st meeting of the International Society on Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 60 (S2), 25.
67. *Mora Aballe, V., *Gonzalez, S.L., & **Nelson, E.L.** (2018, October). Reliability and validity of the Home Handedness Questionnaire. **Poster** presented at the 2018 FIU McNair Scholars Research Annual Conference, Miami, FL, USA.
66. *Barberena, S., *Gonzalez, S.L., Reeb-Sutherland, B., & **Nelson, E.L.** (2018, August). The relation between gross and fine motor skills and language outcomes. **Talk** presented at the 2018 Summer Research Internship Mini-Symposium, Miami, FL, USA.

65. *Gonzalez, S.L., Clifford, C., Reeb-Sutherland, B.C., & **Nelson, E.L.** (2018, July). 'Sticky mittens' reaching experience: Linking behavioral changes to potential neural correlates. **Poster** presented at the XXI Biennial International Conference on Infant Studies, Philadelphia, PA, USA.
64. *Taylor, M.A., Diaz, E.M., & **Nelson, E.L.** (2018, April). Early lateralized interactions between infant and mother Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Talk** presented at the 25th International Conference on Comparative Cognition, Melbourne, FL, USA.
63. *Mora Aballe, V.I., *Gonzalez, S.L., & **Nelson, E.L.** (2018, March). Measuring handedness in adults: A comparison of two questionnaires. **Poster** presented at the 2018 Conference for Undergraduate Research at FIU, Miami, FL, USA.
62. *Alvarez, V., *Gonzalez, S.L., & **Nelson, E.L.** (2018, March). Grasping ability at 6 months predicts language development at 24 and 36 months. **Poster** presented at the 2018 Conference for Undergraduate Research at FIU, Miami, FL, USA.
61. *Solis, J., *Gonzalez, S.L., & **Nelson, E.L.** (2018, March). Infant sitting ability at 6 months predicts language comprehension and production at 36 months. **Poster** presented at the 2018 Conference for Undergraduate Research at FIU, Miami, FL, USA.
60. *Ali, Y., *Gonzalez, S.L., Clifford, C., Reeb-Sutherland, B., & **Nelson, E.L.** (2017, December). Scaffolded reaching experience is related to decreased EEG coherence in infants. **Poster** presented at the 26th annual Neuroscience Research Day at UM Miller School of Medicine, Miami, FL, USA.
59. *Pavon, N., *Taylor, M.A., *Fajardo, M.E., Coxe, S., Michel, G.F., & **Nelson, E.L.** (2017, November). Developmental trajectories for fully role-differentiated bimanual manipulation in infants. **Poster** presented at the 50th meeting of the International Society on Developmental Psychobiology, Washington, D.C., USA. **Proceedings** in *Developmental Psychobiology*, 60 (S1), S51.
58. *Gonzalez, S.L., *Fajardo, M.E., Hart, K.C., & **Nelson, E.L.** (2017, November). Improved fine motor skills and school readiness in pre-kindergarteners after summer treatment program. **Poster** presented at the 50th meeting of the International Society on Developmental Psychobiology, Washington, D.C., USA. **Proceedings** in *Developmental Psychobiology*, 60 (S1), S28.
57. *Taylor, M.A., *Seidler, A.T., Simpson, E.A., Ferrari, P.F., Sclafani, V., Suomi, S.J., Konidaris, G.D., & **Nelson, E.L.** (2017, November). Patterns of reaching in infant rhesus monkeys (*Macaca mulatta*). **Poster** presented at the 50th meeting of the International Society on Developmental Psychobiology, Washington, D.C., USA. **Proceedings** in *Developmental Psychobiology*, 60 (S1), S70.
56. *Gonzalez, S.L., *Fajardo, M.E., Hart, K.C., & **Nelson, E.L.** (2017, October). Summer treatment program improves fine motor skills and school readiness in pre-kindergarteners. **Talk** presented at the 2017 MARC U*STAR & MBRS RISE Student Biomedical Mini-Symposium, Miami, FL, USA.
55. Abu-Rustum, R.S., Ziade, M.F., El Asmar, J., & **Nelson, E.L.** (2017, September). Fetal choroid plexus at 11-14 weeks: A predictor of handedness? **Poster** presented at the 27th World Congress on Ultrasound in Obstetrics and Gynecology (ISUOG), Vienna, Austria. **Proceedings** in *Ultrasound in Obstetrics & Gynecology*, 50(Suppl. 1), 259.
54. *Kendall, G.A., & **Nelson, E.L.** (2017, April). Goal-directed tail use in Colombian spider monkeys is highly lateralized. **Poster** presented at the 24th Annual International Conference on Comparative Cognition, Melbourne, FL, USA.
53. *Seidler, A.T., *Taylor, M.A., Simpson, E.A., Suomi, S.J., Konidaris, G.D., & **Nelson, E.L.** (2017, March). Reaching kinematics in infant rhesus monkeys (*Macaca mulatta*). **Poster** presented at the 2017 Conference for Undergraduate Research at FIU, Miami, FL, USA.

52. *Torres, E., *Gonzalez, S.L., & **Nelson, E.L.** (2017, March). A comparison of Hispanic infant populations on vocabulary size. **Poster** presented at the 2017 Conference for Undergraduate Research at FIU, Miami, FL, USA.
51. *Gonzalez, S.L., & **Nelson, E.L.** (2017, March). Comparing Hispanic infant populations on comprehension of IDHC:PG items. **Talk** presented at the 2017 Graduate Student Appreciation Week Scholarly Forum, Miami, FL, USA.
50. Abu-Rustum, R.S., Ziade, M.F., El Asmar, J., & **Nelson, E.L.** (2017, March). Fetal choroid plexus at 11-14 weeks: A predictor of handedness? **Talk** presented at the American Institute of Ultrasound in Medicine (AIUM) Annual Convention, Lake Buena Vista, FL, USA. **Proceedings** in *Journal of Ultrasound in Medicine*, 36(S1), S45.
49. *Taylor, M.A., & **Nelson, E.L.** (2017, February). Laterality in Colombian spider monkey infants (*Ateles fusciceps rufiventris*). **Poster** presented at the 3rd annual South Florida Primatology meeting, Loxhatchee, FL, USA.
48. *Kendall, G.A., & **Nelson, E.L.** (2017, February). Problem solving in Colombian spider monkeys. **Poster** presented at the 3rd annual South Florida Primatology meeting, Loxhatchee, FL, USA.
47. *Gonzalez, S.L., **Nelson, E.L.**, Latta, J., Campbell, J.M, Marcinowski, E.C., & Michel, G.F. (2016, November). Consistent preschool hand preference predicts language skills at 5 years of age. **Poster** presented at the 49th meeting of the International Society on Developmental Psychobiology, San Diego, California, USA. **Proceedings** in *Developmental Psychobiology*, 58 (S1), S18.
46. *Fajardo, M.E., *Gonzalez, S.L., Hart, K.C., & Nelson, E.L. (2016, October). Summer treatment program for prekindergarteners improves fine motor skills. **Poster** presented at the 2016 FIU McNair Scholars Research Annual Conference, Miami, FL, USA.
45. *Boeving, E.R., & **Nelson, E.L.** (2016, August). Dyadic socio-communicative behavior is lateralized in captive Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Talk** presented at the joint American Society of Primatology/International Primatological Society meeting in Chicago, IL, USA. **Proceedings** published online (Abstract #6733).
44. *Boeving, E.R., *Kendall, G.A., & **Nelson, E.L.** (2016, August). Tails in context: Implications for laterality in the Colombian spider monkey (*Ateles fusciceps rufiventris*). **Poster** presented at the joint American Society of Primatology/International Primatological Society meeting in Chicago, IL, USA. **Proceedings** published online (Abstract #6735).
43. **Nelson, E.L.**, & *Neuman, S. (2016, May). Development of reaching and grasping in infant and adult Colombian spider monkeys. **Poster** presented in the featured symposium "From robots to monkeys to human infants: Integrating different disciplines to understand early motor development" at the XX Biennial International Conference on Infant Studies, New Orleans, LA, USA.
42. *Gonzalez, S. L., **Nelson, E.L.**, Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (2016, May). Consistency in handedness over 6 to 60 months is linked to school readiness. **Poster** presented at the XX Biennial International Conference on Infant Studies, New Orleans, LA, USA.
41. Hartstein, L., Agrawal, V., **Nelson, E.L.**, & Berthier, N.E. (2016, May). Hand preference is related to hand skill at 2 years. **Poster** presented at the XX Biennial International Conference on Infant Studies, New Orleans, LA, USA.
40. Syed, G., Marcinowski, E.C., Dusing, S.C., Michel, G.F., & **Nelson, E.L.** (2016, April). The relation between infant construction strategy and language development in toddlers. **Poster** presented at the VCU Poster Symposium for Undergraduate Research and Creativity, Richmond, VA, USA.

39. *Boeving, E.R., *Kendall, G.A., & **Nelson, E.L.** (2016, April). Socio-behavioral asymmetries in Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Poster** presented at the 23rd Annual International Conference on Comparative Cognition, Melbourne, FL, USA. **Proceedings** published online (Abstract #P35).
38. *Betancourt, V., *Gonzalez, S.L., & **Nelson, E.L.** (2016, March). Creation of a Spanish language measure inclusive of a diverse Hispanic population through renorming of the IDHC:PG. **Poster** presented at the Conference for Undergraduate Research at FIU, Miami, FL, USA.
37. *Gonzalez, S. L., & **Nelson, E.L.** (2015, October). Renorming the IDHC:PG for diverse Hispanic populations. **Poster** presented at the Society for the Study of Human Development 9th Biennial Scientific Meeting, Austin, TX, USA.
36. *Gonzalez, S.L., & Nelson E.L. (2015, October). Administration of the IDHC:PG in Diverse Hispanic Populations. **Poster** presented at the MARC U*STAR & MBRS RISE Student Biomedical Mini-Symposium, Miami, FL, USA.
35. *Cavero, R., & **Nelson, E.L.** (2015, August). The role of sticky mittens on neural development. **Talk** presented at the FIU Summer Research Internship (SRI) Mini-Symposium, Miami, FL, USA.
34. *Gonzalez, S.L., & **Nelson, E.L.** (2015, May). Improving comprehension measures: Adaptation of the Mexican-Spanish CCT for use in diverse Hispanic populations. **Talk** presented at the 2nd Annual South Florida Child Psychology Research Conference, Miami, FL, USA.
33. *Boeving, E.R., & **Nelson, E.L.** (2015, April). Task complexity elicits stronger lateralization in the spider monkey (*Ateles fusciceps rufiventris*). **Talk** presented at the 22nd Annual International Conference on Comparative Cognition, Melbourne, FL, USA. **Proceedings** published online (Abstract #55).
32. *Boeving, E.R., & **Nelson, E.L.** (2015, February). Social laterality in captive spider monkeys (*Ateles fusciceps rufiventris*). **Talk** presented at the South Florida Primatology Group meeting, Boca Raton, FL, USA.
31. *Gonzalez, S.L., **Nelson, E.L.**, Campbell, J.M., Marcinowski, E.C., Coxe, S., & Michel, G.F. (2014, November). 18-24 months handedness predicts 36 months expressive language skills. **Poster** presented at the 47th meeting of the International Society on Developmental Psychobiology, Washington, D.C., USA. **Proceedings** in *Developmental Psychobiology*, 57 (S1), S16.
30. Marcinowski, E.C., *Soula, M., **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2014, November). Does direction or consistency of hand preference predict toddler stacking ability? **Poster** presented at the 47th meeting of the International Society on Developmental Psychobiology, Washington, D.C., USA. **Proceedings** in *Developmental Psychobiology*, 57, (S1), S22.
29. *Soula, M., *Albright, S.N., & **Nelson, E.L.** (2014, October). How laterality influences problem-solving in monkeys and humans. **Poster** presented at the FIU McNair Scholars Research Conference, Miami, FL, USA.
28. *Soula, M., & **Nelson, E.L.** (Faculty Mentor). (2014, October). The effects of early object manipulation using 'sticky mittens' on neurological development. **Talk** presented at the MARC U*STAR & MBRS RISE Student Biomedical Research Mini-Symposium. Miami, FL, USA.
27. *Boeving, E.R., Lacreuse, A., Hopkins, W.D., Phillips, K.A., Novak, M.A., & **Nelson, E.L.** (2014, September). Handedness influences intermanual transfer in chimpanzees (*Pan troglodytes*) but not rhesus monkeys (*Macaca mulatta*). **Poster** presented at the 37th Annual Meeting of the American Society of Primatologists, Decatur, GA, USA. **Proceedings** in *American Journal of Primatology*, 76 (S1), 51.
26. **Nelson, E.L.** (2014, July). The development of handedness: Taking stock and looking ahead. **Talk** presented at the XIX Biennial International Conference on Infant Studies, Berlin, Germany.

25. Marcinowski, E.C., **Nelson, E.L.**, & Michel, G.F. (2014, July). The development of construction from infancy through toddlerhood. **Poster** presented at the XIX Biennial International Conference on Infant Studies, Berlin, Germany.
24. **Nelson, E.L.**, Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (2013, November). How consistency in handedness is related to language development. **Poster** presented at the 46th meeting of the International Society on Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 55, 782.
23. *Albright, S.N., *Soula, M., & **Nelson, E.L.** (2013, November). How laterality influences problem-solving in monkeys and humans. **Poster** presented at the 46th meeting of the International Society on Developmental Psychobiology, San Diego, CA, USA. **Proceedings** in *Developmental Psychobiology*, 55, 766.
22. *Gall, H., Campbell, J.M., Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (2013). Hand preference is associated with language ability in toddlers. **Talk** presented at the FIU Summer Research Internship (SRI) Mini-Symposium, Miami, FL, USA.
21. *Bagchi, J., *Albright, S.N., Konidaris, G.D., & **Nelson, E.L.** (2013). Reaching kinematics in an infant spider monkey. **Talk** presented at the FIU Summer Research Internship (SRI) Mini-Symposium, Miami, FL, USA.
20. **Nelson, E.L.**, *Figueroa, A., *Gonzalez, M.F., *Albright, S., & *Gil, A. (2013, June). Lateralized coordinated tail-hand sequence in spider monkeys (*Ateles fusciceps rufiventris*). **Poster** presented at the 36th Annual Meeting of the American Society of Primatologists, San Juan, Puerto Rico, USA. **Proceedings** in *American Journal of Primatology*, 75 (S1), 57.
19. **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (2012, October). Stable handedness during infancy predicts advanced language skills at two years of age. **Poster** presented at the 45th meeting of the International Society on Developmental Psychobiology, New Orleans, LA, USA. **Proceedings** in *Developmental Psychobiology*, 54, 762.
18. **Nelson, E.L.**, & Michel, G.F. (2012, June). Does infant handedness predict toddler handedness? A longitudinal study comparing early reaching to later bimanual hand use. **Poster** presented at the XVIII Biennial International Conference on Infant Studies, Minneapolis, MN, USA.
17. **Nelson, E.L.**, & Michel, G.F. (2011, November). Hand use preference and the emergence of problem-solving ability: A longitudinal study from 6 to 24 months. **Poster** presented at the 44th meeting of the International Society on Developmental Psychobiology, Washington, D.C. USA. **Proceedings** in *Developmental Psychobiology*, 53, 760.
16. **Nelson, E.L.**, *Braun, M.C., Berthier, N.E., Novak, M.F., Suomi, S.J., & Novak, M.A. (2010, November). Left hand specialization for reaching in 5-month-old rhesus monkeys: Evidence from 2-D motion analysis. **Poster** presented at the 43rd meeting of the International Society on Developmental Psychobiology, San Diego, CA USA. **Proceedings** in *Developmental Psychobiology*, 52, 711.
15. **Nelson, E.L.**, *Braun, M.C., Berthier, N.E., Novak, M.F., Suomi, S.J., & Novak, M.A. (2010, September). Left hand specialization for reaching in 5-month-old rhesus monkeys: Evidence from 2-D motion analysis. **Poster** presented at the 13th Annual International Institute on Developmental Science, New York, NY USA.
14. **Nelson, E.L.**, *Emery, M.S., *Babcock, S.M., Suomi, S.J., Songrady, J., Ruggiero, A.M., Miller, M., Novak, M.F.S.X., & Novak, M.A. (2010, June). Head orientation and hand preference during the first month of life in rhesus monkeys (*Macaca mulatta*). **Poster** presented at the 33rd Annual Meeting of the American Society of Primatologists, Louisville, KY USA. **Proceedings** in *American Journal of Primatology*, 72 (S1), 53.

13. **Nelson, E.L.**, *Babcock, S.M., Suomi, S.J., Songrady, J.C., Ruggiero, A.M., Miller, M., & Novak, M.A. (2010, March). Neonatal head orientation preference in rhesus macaques: Do infant monkeys resemble human infants? **Poster** presented at the XVII Biennial International Conference on Infant Studies, Baltimore, MD USA.

12. **Nelson, E.L.**, Metevier, C.M., & Novak, M.A. (2009, September). Individual differences in motor planning in rhesus monkeys (*Macaca mulatta*). **Talk** presented at the 32nd Annual Meeting of the American Society of Primatologists, San Diego, CA USA. **Proceedings** in *American Journal of Primatology*, 71 (S1), 38.

11. **Nelson, E.L.**, Berthier, N.E., *Locantore, A.M., & Novak, M.A. (2009, September). The interaction between hand preference and hand performance: Data from rhesus monkeys and human infants. **Poster** presented at the 32nd Annual Meeting of the American Society of Primatologists, San Diego, CA USA. **Proceedings** in *American Journal of Primatology*, 71 (S1), 49.

10. **Nelson, E.L.**, Ruperti, F.S., *O'Karma, J.M., & Novak, M.A. (2008, August). Head-tilt and unimanual hand use during feeding in *Varecia variegata variegata*. **Poster** presented at the XXII International Primatological Society Congress, Edinburgh, Scotland. **Proceedings** in *Primate Eye*, 96 (Sp CD-ROM iss - IPS 2008), Abstract #571.

9. **Nelson, E.L.**, Konidaris, G.D., & Berthier, N.E. (2008, March). Using real-time motion capture to measure handedness in infants. **Poster** presented at the XVI Biennial International Conference on Infant Studies, Vancouver, Canada.

8. Ruperti, F.S., **Nelson, E.L.**, & Novak, M.A. (2007, September). Bridging science and tourism - A preliminary study of the black and white ruffed lemur at Monkeyland Primate Sanctuary, South Africa. **Talk** presented at the 2nd Congress of the European Federation of Primatology, Prague, Czech Republic. **Proceedings** in *Folia Primatologica*, 79 (5), 378-379.

7. **Nelson, E.L.**, & Novak, M.A. (2007, June). When to use end-state-comfort: The effect of handle orientation on grip selection in rhesus monkeys (*Macaca mulatta*). **Talk** presented at the 31st Annual Meeting of the American Society of Primatologists, Winston-Salem, NC USA. **Proceedings** in *American Journal of Primatology*, 69 (S1), 131.

6. **Nelson, E.L.**, Ruperti, F., & Novak, M.A. (2007, June). Measuring lateral biases during feeding in semifree-ranging black and white ruffed lemurs (*Varecia variegata variegata*). **Poster** presented at the 31st Annual Meeting of the American Society of Primatologists, Winston-Salem, NC USA. **Proceedings** in *American Journal of Primatology*, 69 (S1), 66.

5. **Nelson, E.L.**, Ruperti, F., & Novak, M.A. (2007, May). Bridging science and tourism: A preliminary study of the black and white ruffed lemur at Monkeyland. **Talk** presented at the African Association of Zoos and Aquaria (PAAZAB) Annual Meeting, Plettenberg Bay, South Africa. **Proceedings** in 18th Annual Conference of PAAZAB (African Association of Zoos & Aquaria), 39-41.

4. **Nelson, E.L.**, & Berthier, N.E. (2007, March). Hand preference and hand performance in 11-month-old infants. **Poster** presented at the Society for Research in Child Development Biennial Meeting, Boston, MA USA.

3. **Nelson, E.L.**, & Novak, M.A. (2006, August). Motor planning in rhesus macaques as measured by grip selection. **Talk** presented at the 30th Annual Meeting of the American Society of Primatologists, San Antonio, TX USA. **Proceedings** in *American Journal of Primatology*, 68 (S1), 66.

2. **Nelson, E.L.** (2006, March). Hand preference and performance in 11-month-old human infants. **Talk** presented at the Annual New England Mini-Conference on Infant Studies (NEMCIS), Amherst, MA USA.

1. **Nelson, E.L.**, Russell, J.L., & Hopkins, W.D. (2003, August). Gesture latency in chimpanzees (*Pan troglodytes*): Implications for left hemisphere hand and vocal lateralization. **Poster** presented at the Emory University Summer Undergraduate Research Experience (SURE) Symposium, Atlanta, GA USA.

WORKS IN PROGRESS

Key: *Student I advised or am advising.

Manuscripts Submitted or In Revision

8. **Nelson, E.L.**, Danforth, C., & Needham, A.W. (Submitted). Reaching experience supports developmental cascades.

**Invited paper for Special Issue *A Quarter Century Review of Research on Infant Behavior and Development*.

7. *Karimi, A., Poznanski, B., Hart, K.C., & **Nelson, E.L.** (In Revision). Fine motor skills, executive function, and school readiness in preschoolers with externalizing behavior problems.

Preprint: <https://doi.org/10.20944/preprints202503.2198.v1>

**Contribution for Special Issue *Developing Cognitive and Executive Functions Across Lifespan*.

6. *Karimi, A., *Contino, K., Poznanski, B., Flores, H., Hart, K., & **Nelson, E.L.** (Submitted). Prevalence of fine motor deficits in preschoolers with externalizing behavior problems.

5. **Nelson, E.L.**, *Karimi, A., & *Shoukry, C.V. (Submitted). The translational value of platyrrhine primates in laterality research.

**Contribution for Special Issue *Translational Research on Laterality: From Animals to Humans and Humans to Animals*.

4. *Contino, K., & **Nelson, E.L.** (In Revision). Manipulation complexity in infants.

3. *Contino, K., & **Nelson, E.L.** (In Revision). Infant manipulation complexity and caregiver object labeling during play.

2. Contino, K., Campbell, J.M., Marcinowski, E.C., Michel, G.F., & **Nelson, E.L.** (In Revision). Infant manipulation complexity trajectories as predictors of language outcomes at 2 years of age.

1. *Long, K.L., **Nelson, E.L.**, & Stephens, D.P. (In Revision). Work as joy: Parental perspectives on factors affecting employment for emerging adults with Down syndrome.

Manuscripts in Preparation

4. **Nelson, E.L.**, *Karimi, A., *Contino, K., & *Rodriguez, V. (In Preparation). The AHEND-IS as a tool for predicting outcomes across developmental domains: A systematic review and meta-analysis.

3. **Nelson, E.L.**, *Karimi, A., & *Contino, K. (In Preparation). When does handedness stabilize? A new look at preschoolers with LCGA.

2. **Nelson, E.L.**, Short, A.D., *Karimi, A., *Long, K.L., Daunhauer, L.A., Diamond, S. & Needham, A.W. (In Preparation). Parent perceptions of fine motor skills in children with Down syndrome.

1. **Nelson, E.L.**, Weiss, D.J., & *Shoukry, C. (In Preparation). Motor planning in Colombian spider monkeys (*Ateles fusciceps rufiventris*): A test of the morphological constraint hypothesis.

Grants in Preparation

1. *NIH/NIMH R01*. Neurodevelopmental Origins of Motor Dysfunction in Childhood ADHD: Executive Impairment or Distinct Pathology? (To be submitted for 6/5/2025)

Role: Co-I

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

Wiley Top Cited Article Certificate <i>WIREs Cognitive Science</i>	2025
FIU College of Arts, Sciences, and Education Faculty Award for Research	2019
FIU College of Arts, Sciences, and Education Faculty Award for Teaching	2016
Elsevier Highly Cited Research Certificate <i>Infant Behavior & Development</i>	2016
Hennessy-Smotherman-Wiley Best Student Paper Award <i>Developmental Psychobiology</i>	2011
NIH Travel Award, International Society on Developmental Psychobiology (\$450)	2011
NIH Travel Award, International Society on Developmental Psychobiology (\$300)	2010
NSB Program 14 th Annual Vincent G. Dethier Award, University of Massachusetts	2010
Graduate School Travel Grant, University of Massachusetts (\$300)	2010
Graduate School Travel Grant, University of Massachusetts (\$400)	2008
Pi Gamma Mu International Social Science Honor Society, Baldwin-Wallace College	2004
Psi Chi National Honor Society in Psychology, Baldwin-Wallace College	2004
2 nd Place SURE Creative Writing Essay Contest, Emory University	2003
Summer Undergraduate Research Experience (SURE) Fellowship, Emory University	2003
Presidential Scholarship, Baldwin-Wallace College (4 years)	2000

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Service to Professional Associations and Societies

Editorial Service

Section Board Member, <i>Children – Pediatric Neurology & Neurodevelopmental Disorders</i>	2025 –
Review Editor, <i>Frontiers in Psychology – Comparative Psychology</i>	2024 –
Guest Editor, <i>Symmetry</i> , Special Issue: Early Laterality in Behaviour and Brain	2023
Review Editor, <i>Frontiers in Behavioral Neuroscience – Individual and Social Behaviors</i>	2023 –
Review Editor, <i>Frontiers in Developmental Psychology – Development in Infancy</i>	2023 –
Reviewer Board Member, <i>Brain Sciences</i>	2020 –
Review Editor, <i>Frontiers in Psychology – Developmental Psychology</i>	2017 –

Ad-hoc Journal and Book Reviewer (54)

Acta Psychologica; American Journal of Primatology; American Journal of Speech-Language Pathology; Animal Behavior and Cognition; Animal Cognition; Behavioral Sciences; Behavioural Brain Research; Behavioural Processes; Biology; Biology Letters; Bloomsbury Press; Cambridge University Press; Child Development; Cognition; Current Zoology; Developmental Neuropsychology; Developmental Psychobiology; Developmental Psychology; Developmental Review; Developmental Science; Ethology; Experimental Brain Research; First Language; Frontiers in Behavioral Neuroscience | Individual and Social Behaviors; Frontiers in Conservation Science | Animal Conservation; Frontiers in Ecology and Evolution | Behavioral and Evolutionary Ecology; Frontiers in Psychology | Developmental Psychology; Frontiers in Psychology | Perception Science; Human Movement Science; Infancy; Infant Behavior and Development; International Journal of Developmental Disabilities; Journal of Applied Biomechanics; Journal of Child Neurology; Journal of Comparative Psychology; Journal of Experimental Child Psychology; Journal of Experimental Zoology Part A: Ecological and Integrative Physiology; Journal of Intellectual Disability Research; Journal of Visualized Experiments (JOVE); Laterality; Medicina; Mind, Brain and Education; Neuropsychologia; Neuroscience and Biobehavioral Reviews; PLOS ONE; Proceedings of the Royal Society B: Biological Sciences; Psychological Bulletin; Psychological Research; Quarterly Journal of Experimental Psychology; Research in Developmental Disabilities; Scandinavian Journal of Psychology; Scientific Reports; Symmetry; Wearable Technologies

Ad-hoc Grant Reviewer

NIH Motor Function, Speech and Rehabilitation Study Section, Temporary Member	2025
Natural Sciences and Engineering Research Council of Canada (NSERC)	2025
NIH Motor Function, Speech and Rehabilitation Study Section, Temporary Member	2023
National Science Foundation, Perception, Action & Cognition (PAC)	2023
National Science Foundation, Developmental Sciences (DS)	2021
Southwest National Primate Research Center (SNPRC) Pilot Research Program	2021
NIDCD Special Emphasis Panel, Member (Voice, Speech, and Language Fellowships)	2021, 2020
NICHD Special Emphasis Panel, Temporary Member (Biobehavioral and Behavioral Sciences)	2019
NIH Special Emphasis Panel, Member (National Primate Research Centers)	2018
European Research Council (SH4 Panel: The Human Mind and Its Complexity)	2018
American Society of Primatologists (Conservation Grants)	2007 – 2010

Conference/Symposia Reviewer

Society for Research in Child Development (Panel: Perceptual, Sensory, Motor)	2022
International Conference on Infant Studies (Panel: Motor and Sensorimotor Processes)	2024; 2022, 2018, 2016
International Society for Developmental Psychobiology	2016
American Society of Primatologists	2011

Symposium Organizer

ICIS: The Development of Handedness: Taking Stock and Looking Ahead	2014
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Other Conference Activities

Session Moderator, International Society for Developmental Psychobiology	2016
Poster Judge, International Society for Developmental Psychobiology	2014
<i>Meet the Professors</i> event participant, International Society for Developmental Psychobiology	2013

Advisory Panels

Wiley Advisors group for Early Career Researchers	2010 – 2017
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Professional Affiliations

International Society for Developmental Psychobiology	2010 – 2020
International Society on Infant Studies	2010 – 2018
Society for Behavioral Neuroscience and Comparative Psychology (APA: Division 6)	2018
Comparative Cognition Society	2017
Society for the Study of Human Development	2013 – 2014
Society for Research in Child Development	2005 – 2007
American Society of Primatologists	2002 – 2013
International Primatological Society	2002 – 2013

Service to Department

Program Director, Developmental Science Doctoral Program	2020 –
Member, Graduate Education Committee	2020 –
Member, Executive Advisory Committee	2020 – 2022
Member, Undergraduate Curriculum Committee	2018 – 2021
Ad Hoc Reviewer, Presidential Fellowship Nominations	2016, 2018
Ad Hoc Reviewer, American Psychological Foundation (APF) and the Council of Graduate Departments of Psychology (COGDOP) Fellowship Nominations	2016, 2018
Ad Hoc Reviewer, APA Fellowship Nominations	2015
Member, Psychology Colloquium Committee	2016 – 2017
Member, Psychology Instructor Search Committee	2015 – 2016
Member, Undergraduate Curriculum Committee	2013 – 2016
Member, Cognitive Neuroscience Program Committee	2013 –
Member, Developmental Science Program Committee	2012 –

Member, Psychology Colloquium Committee 2012 – 2013

Service to College and University

Florida International University

Reviewer, Undergrad Research FIU (URFIU) Conference	2020
Judge, Conference for Undergraduate Research at FIU	2019
Psychology Rep, Dissertation Advisor Status Evaluation Committee	2018 – 2020
Judge, FIU College of Engineering & Computing VIP & SCIS Senior Project Showcase	2018
Distinguished Speaker, 5 th Annual Women in Science Seminar at FIU	2017
Reviewer, Biomedical Research Initiative Student Summer Research Awards	2017, 2018
Member, NIGMS RISE Fellowship Graduate Selection Committee	2017
Member, Center for Children and Families Website Committee	2015 – 2017
Judge, MARC U*STAR & NIGMS RISE Programs Mini-Symposium	2014, 2015
Speaker, Abstract Writing, MARC U*STAR & NIGMS RISE Programs Workshop Series	2014 – 2016
Member, Center for Children and Families	2013 – 2017
Member, College of Arts & Sciences Mentor Program (Mentor: Phil Stoddard)	2012 – 2018

Other Institutions

Class of 2004 Representative Annual Fund Program, Baldwin Wallace University	2004 –
Webmaster, UNCG Infant Development Center	2011 – 2012
Brain Awareness Council, Wake Forest University	2010 – 2011
Webmaster, UMass Child Study Center	2008 – 2010
NSB Graduate Program Historian, UMass Amherst	2006 – 2010
NSB Graduate Program Colloquia Committee, UMass Amherst	2008
Orientation Committee Incoming Psych Grad Students, UMass Amherst	2007, 2008
Co-Chair NSB Graduate Program Annual Student Retreat, UMass Amherst	2005

Service to Community and Public

Chair, DuMond Conservancy Institutional Animal Care and Use Committee (IACUC)	2025 –
Primate Observatory Steering Committee, Monkey Jungle	2024 –
Chair, DuMond Conservancy Institutional Animal Care and Use Committee (IACUC)	2019 – 2021
FIU Child Labs Community Outreach Booth, The Children's Trust Family Expo	2013 – 2015
Contributing Research Scientist, DuMond Conservancy Scientific Advisory Board	2012 –
Invited Primate Lecture, T. Wingate Andrews High School (High Point, NC)	2010

TEACHING EXPERIENCE

Key: FA = Fall, SP = Spring, SU = Summer. Course enrollment given in parentheses.

Florida International University

Participant in Spring 2016 Hybrid Teaching Pilot Program
Participant in Summer 2016 First Time Teaching Online Pilot Program

All syllabi are available at the following link: <https://faculty.fiu.edu/~elnelson/teaching.html>

Primary Instructor – Undergraduate Courses

- 1. Advanced Experimental Psychology Lecture and Laboratory – Senior Lab [EXP-4005/EXP-4005L]**
 - Face-to-Face Semester(s) Taught: SP 2013 (38); SP 2014 (30)
- 2. Introductory Bio-Psychology [PSB-3002]**

Course Awards: Panther High Quality Certification (2021)

 - Fully Online Semester(s) Taught: FA 2020 (66); SP 2021 (66); SU 2021 (69); FA 2021 (67); SU 2022 (69); FA 2022 (69); SU 2023 (58); FA 2023 (60); SP 2024 (51); SU 2024 (60); FA 2024 (55); SP 2025 (48); SU 2025 (70)
- 3. Introductory Bio-Psychology [PSB-4002]**
 - Face-to-Face Semester(s) Taught: SP 2014 (82); SU 2015 (18); FA 2015 (137)

- Hybrid Semester(s) Taught: SP 2016 (49); FA 2016 (75); SP 2017 (49)
 - Fully Online Semester(s) Taught: SU 2016 (47); SU 2017 (60); SU 2018 (67); FA 2018 (69); SP 2019 (69); SU 2019 (64); FA 2019 (63); SP 2020 (69); SU 2020 (70)
- 4. Animal Cognition [PSB-4250]**
Course Awards: Panther High Quality Certification (2021); Affordability Matters Medallion (2021)
- Face-to-Face Semester(s) Taught: FA 2013 (45); SP 2015 (29); SP 2016 (59)
 - Hybrid Semester(s) Taught: FA 2018 (69)
 - Fully Online Semester(s) Taught: FA 2020 (70); SP 2021 (70); FA 2021 (69); FA 2022 (69); FA 2023 (60); SP 2024 (51); FA 2024 (60); SP 2025 (55)
- 5. Motor Development [PSY-4930]**
- Face-to-Face (Cross-listed with PSY-5939) Semester(s) Taught: FA 2015 (4)
- 6. Measuring Animal Behavior – Senior Seminar [PSY-4931]**
- Face-to-Face Semester(s) Taught: FA 2014 (12); SP 2015 (16); FA 2016 (14)

Undergraduate Research Credit in the HANDS Lab

Note: Most students prior to Summer 2018 volunteered in the lab for no credit due to cost

- **Independent Readings in Psychology [PSY-4900]**
Semester(s) Taught: SP 2016 (1)
- **Honors Research Project [PSY-4914]**
Semester(s) Taught: FA 2013 (1); FA 2016 (1); SP 2017 (1)
- **Independent Research in Psychology [PSY-4916]**
Semester(s) Taught: SU 2014 (1); SP 2015 (1); SU 2015 (2); FA 2015 (2); SP 2019 (1)
- **Research Internship in Psychological Science [PSY-4940]**
Semester(s) Taught: SP 2020 (5); SU 2020 (1); FA 2020 (4); SP 2021 (2); SU 2021 (4); FA 2021 (4); SP 2022 (3); SU 2022 (3); FA 2022 (4); SP 2023 (2); SU 2023 (1); FA 2023 (4); SP 2024 (6); SU 2024 (4); FA 2024 (4); SP 2025 (7); SU 2025 (3)
- **Experiential Learning/Internship in Psychology [PSY-4941]**
Semester(s) Taught: SU 2018 (3); FA 2018 (13); SP 2019 (10); SU 2019 (6); FA 2019 (7)

Primary Instructor – Graduate Courses

- 1. Animal Cognition [CBH-5256]**
 - Face-to-Face Semester(s) Taught: FA 2014 (12)
- 2. Biological Basis of Behavior Development [DEP-5058]**
 - Face-to-Face Semester(s) Taught: SP 2018 (13); SP 2023 (8)
- 3. Motor Development [PSY-5939]**
 - Face-to-Face (Cross-listed with PSY-4931) Semester(s) Taught: FA 2015 (4)

Graduate Research Credit in the HANDS Lab

- **Directed Independent Study [PSY-5908]**
Semester(s) Taught: FA 2016 (1); SP 2017 (1); SP 2019 (1); FA 2022 (1); FA 2023 (1); SP 2024 (2)
- **Supervised Research [PSY-5918]**
Semester(s) Taught: SU 2014 (1); SU 2015 (2), SP 2016 (1); SU 2016 (1), FA 2016 (1); SP 2017 (2); SU 2017 (2), SP 2018 (1); SU 2018 (1); SP 2019 (1); SU 2019 (1); FA 2019 (1); SU 2021 (2); FA 2021 (1); SU 2022 (3); FA 2022 (1); SU 2023 (2); FA 2023 (2); SP 2024 (2); SU 2024 (1); SP 2025 (1); SU 2025 (1)
- **Ph.D. Dissertation [PSY-7980]**
Semester(s) Taught: FA 2017 (1); SP 2018 (1); SU 2018 (1); FA 2018 (2); SP 2019 (2); SU 2019 (2); FA 2019 (2); SP 2020 (1); SU 2020 (1); FA 2020 (1); SP 2023 (1); SU 2023 (1); FA 2023 (1); SP 2024 (1); SU 2024 (2); FA 2024 (2); SP 2025 (1); SU 2025 (2)

University of Massachusetts Amherst

Primary Instructor

Junior Year Writing in Psychology (Topic: Conservation Psych) FA 2007 (20)
 Junior Year Writing in Psychology (Topic: Primate Psychology) SP 2008 (20)

Teaching Assistant
Behavioral Neuroscience
Introduction to Psychology

SP 2005; FA 2009
FA 2004; FA 2008; SP 2009; SP 2010

MENTORING AND ADVISING

FIU Engaged Mentorship (EMPWR) Working Group
FIU MARC U*STAR Mentor
FIU NIGMS RISE Mentor

Fall 2020 – Fall 2021
2014
Spring 2014 – Summer 2018 (Program End)

FIU Ph.D. candidates	Major	Role	Status
15. Atefeh Karimi	Developmental Science	Chair	Proposed 05/14/2024
14. Maria Bazo Perez	Developmental Science	Member	Proposed 04/24/2024
13. Katherine Long	Developmental Science	Chair	Proposed 04/23/2024
12. Kaitlyn Testa DISSERTATION: Infant distractibility and mother-infant interaction behaviors: Relations with language and cognitive outcomes	Developmental Science	Member	Defended 12/04/2024
11. Kaitlyn Contino DISSERTATION: Manipulation complexity and language development in infancy	Developmental Science	Chair	Defended 10/08/2024
10. Christopher Clifford DISSERTATION: A comparison and analysis of the relevant features in regression modeling with latent variables using multi-item measures for developmental science	Developmental Science	Member	Defended 06/16/2023
9. Sathyakumar Kuntaegowdanahalli DISSERTATION: An investigation of the long-term functionality of a haptic sensory feedback system with an intrafascicular nerve interface	Biomedical Engineering	Member	Defended 11/08/2022
8. Brittany Boyd DISSERTATION: Perceptions and risk: The role of education, body image, partner availability, and condom negotiation on educated Black women's sexual risk-taking behaviors	Developmental Science	Member	Defended 06/10/2022
7. Elizabeth Edgar DISSERTATION: Infant & child multisensory attention skills: Methods, measures, & language outcomes	Developmental Science	Member	Defended 09/27/2021
6. Carolina Vias DISSERTATION: The cerebellum's relationship to language function following prenatal stroke	Cognitive Neuroscience	Member	Defended 05/18/2021
5. Michelle Ramos DISSERTATION: The development of reward processing and risky behavior in the brain	Developmental Science	Member	Defended 03/03/2021
4. Emily Boevig DISSERTATION: Social processes through the lens of network science in spider monkeys	Developmental Science	Chair	Defended 11/06/2020
3. Starlie Belnap DISSERTATION: The influence of maternally regulated prenatal sensory experience on postnatal motor coordination in neonatal bobwhite quail (<i>Colinus virginianus</i>)	Developmental Science	Member	Defended 10/29/2019

2. Sandy Gonzalez	Developmental Science	Chair	Defended 08/30/2019
DISSERTATION: Motor-language cascades: How fine motor relates to language outcomes across early development			
1. Rosalie Odean	Developmental Science	Member	Defended 03/21/2018
DISSERTATION: The development of spatial vocabulary			
FIU M.S. candidates	Major	Role	Status
17. Syra Tanchin	Biological Sciences	Member	Proposed 10/28/2024
16. Atefeh Karimi	Developmental Science	Chair	Defended 11/03/2023
THESIS: Motor-language links in children with Down syndrome: A scoping review to revisit the literature with a developmental cascades lens			
15. Maria Bazo Perez	Developmental Science	Member	Defended 11/02/2023
THESIS: Risk and resilience in eating disorders: Differentiating pathways among psychosocial predictors			
14. Katherine Long	Developmental Science	Chair	Defended 10/20/2023
THESIS: The meaning of adulthood for emerging adults with Down syndrome: Parent perspectives on relevant skills			
13. Victoria Petrulla	Developmental Science	Member	Defended 07/29/2022
THESIS: Infant intersensory matching and canonical babbling predict early expressive vocabulary			
12. Kaityn Contino	Developmental Science	Chair	Defended 07/27/2022
THESIS: Infant hand preference trajectories predict expressive and receptive language at 5 years			
11. Kaitlyn Testa	Developmental Science	Member	Defended 06/17/2022
THESIS: Infant distractibility from social events mediates the relation between maternal responsiveness and infant language outcomes			
10. Diego Aguilar	Biomedical Engineering	Member	Defended 03/24/2021
THESIS REPORT: Design of an adjustable fragile object simulator for the assessment of sensory feedback utility during functional motor tasks			
9. Christopher Clifford	Developmental Science	Member	Defended 11/14/2019
THESIS: Relation between individual differences in face-recognition and joint attention behaviors in infants			
8. Elizabeth Edgar	Developmental Science	Member	Defended 08/30/2019
THESIS: Child multisensory attention skills and parent language input predict child vocabulary			
7. Zahra Nazarimehrvarani	Developmental Science	Member	Defended 03/04/2019
THESIS: Interrelations among emotion regulation, eating behaviors, and risk for eating disorders during women's transition to adulthood			
6. Megan Taylor	Developmental Science	Chair	Defended 10/17/2018
THESIS: Early grasp proficiency predicts individual patterns of bimanual skill development in infants			
5. Michelle Ramos	Developmental Science	Member	Defended 07/06/2017
THESIS: Individual differences in self-reported attentional control moderates the relation between error monitoring and anxiety in children and adolescents			

4. Sandy Gonzalez	Developmental Science	Chair	Defended 05/02/2017
THESIS: Measuring comprehension in diverse Hispanic infants using the Mexican-Spanish CDI			
3. Starlie Belnap	Developmental Science	Member	Defended 12/06/2016
THESIS: Coordinated movement is influenced by prenatal light experience in bobwhite quail hatchlings (<i>Colinus virginianus</i>)			
2. Emily Boeving	Developmental Science	Chair	Defended 06/21/2016
THESIS: Hugs are lateralized in spider monkeys			
1. Rosalie Odean	Developmental Science	Member	Defended 07/08/2015
THESIS: Comprehension and real-time processing of English dimensional adjectives in toddlers			

FIU Undergraduate Honors Thesis	Major	Role	Status
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8. Lynette Pineiro	Behavioral Neuroscience	Chair	Defended 04/01/2025
ARCH: The relation between object construction and spatial language in 3-year-olds			
7. Victoria Rodriguez	Biology	Chair	Defended 04/24/2024
ARCH: The AHMED-IS as a tool for predicting developmental outcomes: A systematic review			
6. Alyssa Seidler	Psychology	Chair	Defended 04/26/2017
THESIS: Reaching kinematics in infant rhesus monkeys (<i>Macaca mulatta</i>)			
5. Melissa Fajardo	Psychology	Chair	Defended 12/07/2016
THESIS: Seven-week summer treatment program improves fine motor skills and school readiness outcomes in disadvantaged prekindergarten children			
4. Gisela Jorge	Psychology	Member	Defended 12/07/2016
THESIS: Attention filtering and conversational engagement as predictors of language at 18 months			
3. Aysha Supplice	Psychology	Member	Defended 12/07/2016
THESIS: Attention filtering and conversational engagement as predictors of language at 18 months			
2. Alejandra Figueroa	Biology	Member	Defended 04/24/2014
THESIS: Sex differences in captive spider monkey social behaviors (<i>Ateles fusciceps rufiventris</i>)			
1. Stephanie Albright	Psychology	Chair	Defended 12/06/2013
THESIS: What is the function of owl monkey calls?			

Undergraduate Thesis Supervision at the University of Massachusetts Amherst

4. Michelle Emery	Psychology	Member	Defended Dec 2009
THESIS: Uncovering the development of laterality in infant rhesus monkeys (<i>Macaca mulatta</i>) through head orientation and hand preference			
3. Angela Locantore	Animal Science	Supervisor	Defended May 2009
THESIS: Measuring handedness in rhesus monkeys (<i>Macaca mulatta</i>): The interaction between hand preference and hand performance			
2. Yelena Vaydman	Psychology	Member	Defended May 2009
THESIS: The effect of cognitive testing on the well-being of rhesus monkeys (<i>Macaca mulatta</i>)			

1. **Jaime O’Karma** Psychology Supervisor Defended May 2008
 THESIS: Head-tilt and unimanual hand use during feeding in *Varecia variegata variegata*

Undergraduate Supervision	Major(s)	Term(s)
<i>Research Assistants in the HANDS Lab at Florida International University</i>		
1. Thalia Llago Alba	Neuroscience	Fall 2023
2. Stephanie Albright	Psychology	Fall 2012 – Fall 2013
3. Hailey Alfaro	Biological Sciences	Spring 2024 – Spring 2025
4. Yasmin Ali	Biology	Summer 2017 – Spring 2019
5. Jacqueline Alvarez	Biology/Chemistry	Spring 2020 – Fall 2020
6. Veronica Alvarez	Biology	Fall 2016 – Fall 2019
7. Katherine Antillano	Biology	Fall 2015 – Fall 2016
8. Stacy Argueta	Psychology	Summer 2021 – Spring 2022
9. Cassandra Arvelo	Psychology/Biology	Summer 2015 – Spring 2016
10. Bridgette Avila	Psychology	Summer 2024 – Fall 2024
11. Venus Betancourt	Biology	Fall 2015 – Summer 2018
12. Anais Cabezas	Psychology	Spring 2015 – Fall 2015
13. David Cabrera	Behavioral Neuroscience	Spring 2025
14. Paola Cadena	Psychology	Fall 2020
15. Natalie Campos	Psychology/Natural & Applied Sciences	Spring 2024 – Summer 2024
16. Gema Carroll-Zuluaga	Psychology/Biology	Spring 2016 – Fall 2017
17. Ansley Castineira	Biology	Spring 2015 – Spring 2017
18. Rafaella Chavez	Biology/Natural & Applied Sciences	Spring 2025 –
19. Stephanie Chavez	Psychology	Summer 2021 – Fall 2022
20. Yoli Davalos	Psychology/Biology	Spring 2017 – Summer 2017
21. Jessie De La Paz	Psychology/Beh Neuroscience	Spring 2024 – Summer 2024
22. Armando Del Valle	Chemistry	Fall 2017 – Summer 2019
23. Alexandra Derr	Biology	Fall 2013 – Spring 2014
24. Christina Diaz	Psychology	Spring 2013 – Fall 2013
25. Emily Diaz	Biology	Spring 2017 – Fall 2018
26. Michelle Diaz	Psychology/Religion	Spring 2015 – Summer 2015
27. Barbara Dominguez	Psychology/Biology	Fall 2013 – Fall 2015
28. Kurt Dorneich	Behavioral Neuroscience	Fall 2024 – Spring 2025
29. Glenda Escandell	Psychology	Fall 2020
30. Melissa Fajardo	Psychology	Fall 2013 – Summer 2018
31. Gerardo Ferrer	Behavioral Neuroscience	Fall 2024 –
32. Alejandra Figueroa	Biology	Fall 2012 – Summer 2015
33. Pamela Galera	Psychology	Fall 2018 – Fall 2019
34. Ivanna Gamez	Psychology	Fall 2018
35. Alfredo Garcia	Biology	Summer 2015 – Summer 2016
36. Sydney Garcia	Psychology/Biology	Fall 2018 – Spring 2019
37. Anthony Gavula	Psychology	Spring 2025 –
38. Andres Gil	Psychology	Spring 2013 – Summer 2013
39. Michelle Gomez-Guevara	Biology	Spring 2019 – Summer 2020
40. Maria Gonzalez	Biology	Spring 2013 – Fall 2013
41. Diancy Hernandez	Biology	Summer 2019 – Summer 2020
42. Melanie Hernandez	Behavioral Neuroscience	Spring 2025
43. Kacey Hung	Biology	Fall 2018 – Spring 2019
44. Brenda Jimenez	Biology	Summer 2020 – Fall 2020
45. Giulianna Kendall	Psychology/Biology	Spring 2015 – Fall 2017
46. Rachel Leong	Biology	Summer 2019 – Summer 2020
47. Alejandra Lopez	Psychology	Summer 2015 – Fall 2015
48. Dominique Lopez	Biology	Spring 2019 – Summer 2019

49. Violeta Mora Aballe	Biology	Summer 2017 – Fall 2019
50. Brianny Medina	Psychology	Fall 2019 – Spring 2020
51. Lorena Mendez	Psychology	Summer 2017 – Spring 2018
52. Monica Melendez	Psychology	Fall 2018
53. Genesis Mendoza	Biology	Fall 2013
54. Antonella Mini	Behavioral Neuroscience	Summer 2022 – Spring 2023
55. Angela Montanez	Psychology	Fall 2015 – Spring 2016
56. Emily Morales	Biology	Summer 2018 – Fall 2018
57. Kimberly Morales	Biology	Fall 2017 – Spring 2018
58. Sara Neuman	Biology	Fall 2013 – Spring 2017
59. Vanessa Padilla	Psychology	Fall 2014 – Summer 2015
60. Emily Palin	Psychology	Spring 2019
61. Kasey Padron	Psychology	Spring 2020 – Fall 2020
62. Narciso Pavon	Psychology	Fall 2016 – Summer 2019
63. Claudia Pedreira	Biology	Spring 2021 – Summer 2021
64. Joao Bosco Pereira	Psychology	Fall 2018 – Summer 2019
65. Andrea Perez-Villarreal	Psychology	Fall 2014 – Fall 2015
66. Lynnette Pineiro	Behavioral Neuroscience/Psychology	Fall 2023 – Spring 2025
67. Alexandra Quinones	Psychology	Fall 2018
68. Royden Ramirez	Biology	Fall 2018 – Spring 2019
69. Victoria Rodriguez	Biology	Fall 2023 – Spring 2024
70. Joyce Ruiz	Psychology	Spring 2014
71. Amy Saballos	Psychology/Biology	Fall 2020
72. Eduardo Saczek	Psychology	Summer 2015 – Spring 2016; Fall 2019 – Spring 2020
73. Alyssa Seidler	Psychology	Fall 2016 – Spring 2017
74. Christopher Shoukry	Psychology	Fall 2023 – Spring 2024
75. Jonathan Solis	Psychology/Philosophy	Summer 2017 – Summer 2019
76. Megan Sotodelvalle	Psychology	Fall 2021 – Spring 2022
77. Marisol Soula	Psychology/Biology	Spring 2013 – Fall 2014
78. Joseph Stearns	Psychology	Summer 2014
79. Melisa Stecklen	Psychology	Summer 2016 – Fall 2016
80. Heilen Suarez	Biology	Summer 2019 – Spring 2020
81. Nicholas Swift	Philosophy	Fall 2022 – Spring 2023
82. Danielle Tepsitch	Psychology	Fall 2018 – Spring 2019
83. Bianca Tercero	Psychology/Biology	Fall 2014 – Summer 2016
84. Elizabeth Torres	Psychology	Fall 2016 – Spring 2017
85. Angela Toscano	Biology	Fall 2014
86. Vivian Vazquez	Biology	Summer 2021 – Summer 2023
87. Haylee Vergel	Biology/Natural & Applied Sciences	Summer 2023
88. Samantha Verne	Psychology/Biology	Spring 2013 – Fall 2013
89. Carla Vidal	Biology	Fall 2018 – Spring 2019
90. Rebecca Weber	Neuroscience	Spring 2021
91. Olivia Williamson	Biology	Fall 2019 – Spring 2020
92. Sofia Zunjic	Psychology	Fall 2014

Developmental Science
Summer Internship Program

Home Institution

Term

1. **Kaitlyn Vogel** Illinois State University Summer 2014
PROJECT: Fine motor skills and the implications on future academic achievement

High School students

School

Term

FIU Summer Research Internship Participants

4. **Shaileen Barberena** MAST @ Homestead Summer 2018
PROJECT: The relation between gross and fine motor skills and language outcomes
3. **Renzo Caverio** TERRA Summer 2015
PROJECT: The role of sticky mittens on neural development
2. **Joeeta Bagchi** TERRA Summer 2013
PROJECT: Reaching kinematics in an infant spider monkey
1. **Helen Gall** MAST @ Homestead Summer 2013
PROJECT: Hand preference is associated with language ability in toddlers