

CURRICULUM VITAE
OF
ELIZA L. NELSON
DEPARTMENT OF PSYCHOLOGY
LEGAL NAME: ELIZA L. ECCLES

CONTACT INFORMATION

Florida International University
Department of Psychology
11200 S.W. 8th Street Miami, FL 33199
Office: DM 201A | Lab: DM 269A

Office Phone: 305-348-4894
Lab Phone: 305-348-4032
Email: elnelson@fiu.edu
Website: <http://hands.fiu.edu>

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, Assistant Professor Department of Psychology, Developmental Science/Cognitive Neuroscience	8/2012 –
University of North Carolina Chapel Hill, NIH/NICHD Postdoctoral Fellow Center for Developmental Science	8/2010 – 8/2012

PART-TIME ACADEMIC EXPERIENCE

University of North Carolina at Greensboro, Postdoctoral Associate Department of Psychology, Infant Development Center, PI: Dr. George Michel	8/2010 – 8/2012
Wake Forest University, Postdoctoral Associate Wake Forest University Primate Center, PI: Dr. Allyson Bennett	9/2010 – 5/2011
University of Massachusetts Amherst, Graduate Research Assistant Department of Psychology, UMass Child Study Center, PI: Dr. Neil Berthier	8/2004 – 8/2010
University of Massachusetts Amherst, Lab Manager Department of Psychology, UMass Primate Lab, PI: Dr. Melinda Novak	6/2008 – 8/2010
Monkeyland Primate Sanctuary, Research Volunteer Plettenberg Bay, South Africa	5/2006 – 7/2006; 4/2007 – 6/2007
University of Massachusetts Amherst, Graduate Research Assistant Department of Psychology, UMass Primate Lab, PI: Dr. Melinda Novak	8/2004 – 5/2008
Emory University, Research Intern Yerkes National Primate Research Center, PI: Dr. William Hopkins	6/2003 – 8/2003
Baldwin-Wallace College, Research Intern Cleveland Metroparks Zoo, PI: Dr. Brian Thomas	1/2003 – 5/2003

NON-ACADEMIC EXPERIENCE

N/A

EMPLOYMENT RECORD AT FIU

Assistant Professor in Psychology (Developmental Science/Cognitive Neuroscience) 8/2012 –

PUBLICATIONS IN DISCIPLINE (22)

Key: *Student I advised or am advising; #Publication prepared at Florida International University;
†Original work conducted and publication prepared at Florida International University.

Books

N/A

Peer-Reviewed Articles (19)

Summary Refereed Articles:

19 peer-reviewed journal articles (12 first author; 4 student first author)
Google Scholar Citation Count as of 6/25/2018

19. †**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.
doi:10.1037/com0000094.

Impact Factor: 2.268 (32/128 Psychology – Multidisciplinary; **5-Year Impact Factor:** 2.342)

Google Scholar Citation Count: 0

18. #**Nelson, E.L.**, Berthier, N.E., & Konidaris, G.D. (6 Sept 2017). Handedness and reach-to-place kinematics in adults: Left-handers are not reversed right-handers. *Journal of Motor Behavior*.
doi:10.1080/0022895.2017.1363698.

Impact Factor: 1.327 (**5-Year Impact Factor:** 1.478)

Google Scholar Citation Count: 1

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. doi:10.1002/dev.21560.

Impact Factor: 2.128 (29/41 Developmental Biology; 35/76 Psychology)

Google Scholar Citation Count: 1

16. †*Boeving, E.R., *Belnap, S.C., & **Nelson, E.L.** (2017). Embraces are lateralized in spider monkeys (*Ateles fusciceps rufiventris*). *American Journal of Primatology*, 79:e22654. doi:10.1002/ajp.22654.

Impact Factor: 2.103 (21/161 Zoology)

Google Scholar Citation Count: 5

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. doi:10.3389/fpsyg.2016.00410.

Impact Factor: 2.463

Google Scholar Citation Count: 6

[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. doi: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. doi:10.3389/fpsyg.2016.00216.

Impact Factor: 2.463

Google Scholar Citation Count: 4

[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. doi: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, 1253-1262. doi:10.1002/ajp.22478.

Impact Factor: 2.103 (21/161 Zoology)

Google Scholar Citation Count: 5

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. doi:10.3389/fpsyg.2015.00560.

Impact Factor: 2.463

Google Scholar Citation Count: 2

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. doi:10.1007/s00221-014-4158-8.

Impact Factor: 2.057

Google Scholar Citation Count: 0

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

Impact Factor: 2.161

Google Scholar Citation Count: 11

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. doi:10.1016/j.infbeh.2014.08.013.

Impact Factor: 1.515 (**5-Year Impact Factor:** 2.066)

Google Scholar Citation Count: 4

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. doi:10.1037/a0033803.

Impact Factor: 3.116 (**5-Year Impact Factor:** 4.289; 16/69 Psychology Developmental)

Google Scholar Citation Count: 27

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. doi:10.1002/dev.21121.

Impact Factor: 2.128 (29/41 Developmental Biology; 35/76 Psychology)

Google Scholar Citation Count: 20

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. doi:10.1016/j.infbeh.2013.01.009.

Impact Factor: 1.515 (**5-Year Impact Factor:** 2.066)

****Elsevier Highly Cited Research Award December 2016****

Google Scholar Citation Count: 41

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. doi:10.1002/dev20604.

Impact Factor: 2.128 (29/41 Developmental Biology; 35/76 Psychology)

Google Scholar Citation Count: 1

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. doi:10.1111/j.1467-7687.2010.01030.x.

Impact Factor: 3.982 (5/69 Psychology Developmental; 7/85 Psychology Experimental)

Google Scholar Citation Count: 17

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. doi:10.1002/dev.20517.

Impact Factor: 2.128 (29/41 Developmental Biology; 35/76 Psychology)

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

Google Scholar Citation Count: 8

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. doi:10.1002/ajp.20746.

Impact Factor: 2.103 (21/161 Zoology)

Google Scholar Citation Count: 14

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. doi:10.1080/13576500342000347.

Impact Factor: 1.239

Google Scholar Citation Count: 51

Chapters in Books (2)

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.

Google Scholar Citation Count: 2

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.

Google Scholar Citation Count: 22

Published Instruments (1)

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

Government Reports or Monographs

N/A

Book Reviews

N/A

Posters, Talks, and Conference Proceedings (65)

Key: *Student I advised or am advising

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** to be 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.

INVITED RESEARCH SEMINARS (12)

12. **Nelson, E.L.** (2013, October). How experience shapes development: Handedness trajectories in primates. Psychology Brownbag Series, FIU, Miami, FL.
11. **Nelson, E.L.** (2012, April). Developmental trajectories for handedness in primates. Featured Psychology Research Day Speaker, Mount Olive College, Mt. Olive, NC.
10. **Nelson, E.L.** (2012, March). Developmental trajectories for handedness in primates. Developmental Psychology Brownbag Series, UNC Greensboro, Greensboro, NC.
9. **Nelson, E.L.** (2011, March). Rhesus monkey handedness: Developmental trajectories and implications for problem solving. Comparative Medicine Lecture Series, Wake Forest University Primate Center, Winston-Salem, NC.
8. **Nelson, E.L.** (2010, November). Rhesus monkey handedness: Developmental trajectories and implications for problem solving. Developmental Psychology Brownbag Series, University of North Carolina at Chapel Hill, Chapel Hill, NC.
7. **Nelson, E.L.** (2009, November). The development of laterality in infant monkeys. Neuroscience and Behavior Program Proseminar Series, University of Massachusetts Amherst, Amherst, MA.
6. **Nelson, E.L.** (2009, November). Side-by-side: Laterality in monkey and human infants. Developmental Psychology Lecture Series, University of Massachusetts Amherst, Amherst, MA.
5. **Nelson, E.L.** & Hamel, A.F. (2009, October). Working with monkeys. Psychology Residential Academic Program (RAP) Seminar, University of Massachusetts Amherst, Amherst, MA.
4. **Nelson, E.L.** (2008, November). A comparative approach to laterality: Lemurs, monkeys, and babies. Neuroscience and Behavior Program Proseminar Series, University of Massachusetts Amherst, Amherst, MA.
3. **Nelson, E.L.** & Hamel, A.F. (2008, October). Working with primates. Psychology Residential Academic Program (RAP) Seminar, University of Massachusetts Amherst, Amherst, MA.
2. **Nelson, E.L.** (2007, November). Lateralized lemurs bridge science and tourism at Monkeyland Primate Sanctuary, South Africa. Neuroscience and Behavior Program Proseminar Series, University of Massachusetts Amherst, Amherst, MA.
1. **Nelson, E.L.** (2007, February). Motor planning in rhesus macaques: How and why do monkeys differ? Developmental Psychology Lecture Series, University of Massachusetts Amherst, Amherst, MA.

WORKS IN PROGRESS

Key: *Student I advised or am advising; #Publication prepared at Florida International University; †Original work conducted and publication prepared at Florida International University.

Manuscripts Under Review or In Revision (4)

4. †**Nelson, E.L.**, *Gonzalez, S.L., El-Asmar, J.M., Ziade, M.F., & Abu-Rustum, R.S. (In Revision). The Home Handedness Questionnaire: Pilot data from preschoolers.
3. #Michel, G.F., Babik, I., **Nelson, E.L.**, Marcinowski, E.C., & Campbell, J.M. (Revision Resubmitted). Evolution and development of handedness: An evo-devo approach. Invited chapter in G. Forrester, K. Hudry, A. Lindell, & W.D. Hopkins (Eds.), *Cerebral lateralization and cognition: Evolutionary and developmental investigations of motor biases*.

2. †*Gonzalez, S.L., & **Nelson, E.L.** (In Revision). Measuring comprehension in diverse Hispanic infants using the IDHC.

1. †Marcinowski, E.C., **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (In Revision). The development of object construction from infancy through toddlerhood.

Manuscripts in Preparation (5)

5. †**Nelson, E.L.**, *Taylor, M.A., *Diaz, E.M., Simpson, E.A., Ferrari, P.F., Sclafani, V., Suomi, S.J., & Konidaris, G.D. (In Preparation). Reach kinematics predict cognitive outcomes in rhesus monkey (*Macaca mulatta*) infants.

4. †**Nelson, E.L.**, & *Del Valle, A. (In Preparation). Grip selection influences the kinematic signature of reaching in Colombian spider monkeys (*Ateles fusciceps rufiventris*).

3. †*Taylor, M.A., & **Nelson, E.L.** (In Preparation). Early grasping skill predicts later growth in bimanual skill I infants.

2. †**Nelson, E.L.**, & *Gonzalez, S.L. (In Preparation). The Home Handedness Questionnaire: A comparison to the Edinburgh Handedness Inventory.

1. †**Nelson, E.L.**, *Gonzalez, S.L., & *Betancourt, V. (In Preparation). Best practices for measuring infant handedness.

FUNDED RESEARCH (5)

2016 – 2017 *The origins of bimanual skill in infants*

Nelson, E.L. (PI)

Intramural Award

Center for Children and Families, Florida International University

Total Award: \$5,000

Effort: No salary support

2015 – 2016 *Measuring motor experience in the infant brain*

Nelson, E.L. (PI)

Intramural Award

Center for Children and Families, Florida International University

Total Award: \$5,000

Effort: No salary support

2014 – 2018 *Development of MacArthur-Bates forms and norms for children from varied Spanish language communities*

Nelson, E.L. (PI)

San Diego State University Research Foundation Award

Total Award: \$1,100

Effort: No salary support

2014 – 2015 *Brain measures for examining lateralization in infants*

Nelson, E.L. (PI)

Intramural Award

Center for Children and Families, Florida International University

Total Award: \$4,000

Effort: No salary support

2010 – 2012 *Human development: Interdisciplinary research training* (T32-HD007376)
Cox, Martha J. (PI)/Hussong, A. (PI), & **Nelson, E.L.** (Mentee)
Center for Developmental Science Postdoctoral Fellowship
National Institutes of Health (NIH)
Total Award: \$78,288
Effort: 100% calendar year

Mentored Student Grants (1)

2015 – 2016 *Improving language comprehension measures for diverse Hispanic populations: Adaptation of the Mexican-Spanish Computerized Comprehension Task*
Gonzalez, S.L. (Student PI), & **Nelson, E.L.** (Faculty Mentor)
Seed Funds Award
Department of Psychology, Florida International University
Total Award: \$2,000

Proposals Under Review or In Revision (2)

2019 – 2020 *Motor and social neural signatures of scaffolded motor experience in infancy*
(1R21HD098245-01)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
Co-I: Coxe, S. (FIU)
Motor Function, Speech, and Rehabilitation
National Institutes of Health
Requested Funds: \$402,875 (all to PI – no subcontracts)
Effort Year 1: 1.62 months academic year; 1.35 summer months.
Effort Year 2: 1.62 months academic year; 0.6 summer months.
Status: Submitted 06/07/18

2018 – 2010 *Infant motor skill trajectories and language outcomes* (1R03HD097419-01)
Nelson, E.L. (PI)
Co-I: Coxe, S. (FIU)
National Institutes of Health
Requested Funds: \$146,500 (all to PI – no subcontracts)
Effort: 1.62 months academic year
Status: Submitted 2/16/18

PROPOSALS SUBMITTED BUT NOT FUNDED (18)

Key: * Student I advised or am advising.

2018 – 2019 *Neural and motor predictors of language development in infancy*
*Gonzalez, S.L. (Student PI)
Sponsor: **Nelson, E.L.**, Co-Sponsor: Bahrack, L. (FIU)
National Institutes of Health
NRSA Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research
Effort: No Salary Support
Impact Score: 46; 44th Percentile (Discussed: Not Funded)

2018 – 2019 *Co-contraction and fall risk in lower-limb amputees*
Hillen, B. (PI)
Co-Is: Coxe, S., McPherson, L., **Nelson, E.L.**, Thota, A. (FIU)
FIU College of Engineering and Computing Seed Grant
Requested Funds: \$99,163.50
Effort: 0.45 summer months
Declined

- 2018 – 2021 *Developmental patterns of fully differentiated bimanual manipulation*
 *Taylor, M.A. (Student PI), & **Nelson, E.L.** (Faculty Mentor)
 Graduate Research Fellowship Program
 National Science Foundation
 Requested Funds: \$132,000
 Declined
- 2018 – 2020 *The neuroscience of scaffolded motor experience in infancy* (1R21HD094177-01A1)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
 Co-I: Coxe, S. (FIU)
 Motor Function, Speech, and Rehabilitation
 National Institutes of Health
 Requested Funds: \$402,875 (all to PI – no subcontracts)
 Effort Year 1: 1.62 months academic year; 1.5 summer months.
 Effort Year 2: 1.62 months academic year; 0.75 summer months.
 Impact Score: 30; 21st Percentile (Discussed: Not Funded)
- 2018 – 2020 *Trajectories for bimanual manipulation in infants* (1R03HD092683-01A1)
Nelson, E.L. (PI)
 Co-I: Coxe, S. (FIU)
 Child Health and Human Development Health, Behavior, and Context (CCHD M)
 National Institutes of Health
 Requested Funds: \$145,000 (all to PI – no subcontracts)
 Effort: 1.62 months academic year; 0.21 summer months.
 Impact Score: 31; 17th Percentile (Discussed: Not Funded)
- 2017 – 2020 *Motor-social developmental cascades in infancy* (1729632)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
 Co-Is: Coxe, S. (FIU), & Messinger, D. (University of Miami)
 Developmental Sciences Program
 National Science Foundation
 Requested Funds for PIs: \$520,910 (UM Subcontract = \$46,062)
 Effort: 2 summer months
 Ratings: Excellent (1), Very Good (1), Very Good/Good (1), Good (1), Good/Fair (2), Fair (1)
 (Discussed: Not Competitive)
- 2017 – 2019 *The neuroscience of scaffolded motor experience in infancy* (1R21HD094177-01)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
 Co-I: Coxe, S. (FIU)
 Motor Function, Speech, and Rehabilitation
 National Institutes of Health
 Requested Funds: \$402,875 (all to PIs – no subcontracts)
 Effort Year 1: 1.62 months academic year; 1.5 summer months.
 Effort Year 2: 1.62 months academic year; 0.75 summer months.
 Impact Score: 50; 48th Percentile (Discussed: Not Funded)
- 2017 – 2019 *Project READY: Evaluation of a School Readiness Intervention to Improve Early Learning and Disruptive Behaviors in Young Children At-Risk* (13370)
 Hart, Katie C. (PI)
 Co-Is: **Nelson, E.L.**, & Villodas, M. (FIU)
 Early Childhood Community Research Demonstration Project
 The Children's Trust
 Requested Funds: \$344,621 (all to PI – no subcontracts)
 Effort: 0.12 months academic year; 0.33 summer months.
 Score: 92.6/100 (Interviewed: Not Funded)

- 2017 – 2019 *Trajectories for bimanual manipulation in infants* (1R03HD092683-01)
Nelson, E.L. (PI)
 Co-I: Coxe, S. (FIU)
 Child Health and Human Development Health, Behavior, and Context (CCHD M)
 National Institutes of Health
 Requested Funds: \$145,000 (all to PI – no subcontracts)
 Effort: 1.62 months academic year; 0.30 summer months.
 Impact Score: 52; 47th Percentile (Discussed: Not Funded)
- 2016 – 2020 *Motor experience and the social brain in infants* (1628514)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
 Co-I: Coxe, S. (FIU)
 Developmental and Learning Sciences Program
 National Science Foundation
 Requested Funds: \$528,861 (all to PIs – no subcontracts)
 Effort: 1.62 months academic year, 0.36 summer (Year 1); 2 summer months (Years 2-4).
 Ratings: Excellent (1), Very Good (2), Fair (2) (Discussed: Not Competitive)
- 2016 – 2018 *Plasticity in neural correlates of motor and social function following early motor experience in 3-month-old infants* (1R03HD086836-01A1)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
 Co-I: Coxe, S. (FIU)
 Child Health and Human Development Biobehavioral and Behavioral Sciences (CHHD H)
 National Institutes of Health
 Requested Funds: \$145,000 (all to PIs – no subcontracts)
 Effort: 0.81 summer months
 Not Discussed
- 2015 – 2018 *Early language comprehension in Hispanics: Improving current measures*
 *Gonzalez, S.L. (Student PI), & **Nelson, E.L.** (Faculty Mentor)
 Graduate Research Fellowship Program
 National Science Foundation
 Requested Funds: \$132,000
 Declined
- 2015 – 2017 *Plasticity in neural correlates of motor and social function following early motor experience in 3-month-old infants* (1R03HD086836-01)
Nelson, E.L. (Lead PI), & Reeb-Sutherland, B.C. (Co-PI – FIU)
 Co-I: Coxe, S. (FIU)
 Child Health and Human Development Biobehavioral and Behavioral Sciences (CHHD H)
 National Institutes of Health
 Requested Funds: \$145,000 (all to PIs – no subcontracts)
 Effort: 0.81 summer months
 Not Discussed
- 2014 – 2017 *Infant attention to role-differentiated bimanual events*
 *Gonzalez, S.L. (Student PI), & **Nelson, E.L.** (Faculty Mentor)
 Graduate Research Fellowship Program
 National Science Foundation
 Requested Funds: \$132,000
 Declined
- 2014 – 2017 *Motor trajectories for school readiness* (1424009)
Nelson, E.L. (Lead PI), & Michel, G.F. (Co-PI – University of North Carolina at Greensboro)
 Developmental and Learning Sciences Program
 National Science Foundation

Requested Funds for PI: \$146,508 (UNCG Subcontract = \$278,169)
Effort: 1.98 months academic year
Ratings: Excellent (1), Good (3), Good/Fair (1) (Discussed: Not-Competitive)

2014 – 2017 *Development of lateralization, language, and cognition in preschool children* (1348560)
Michel, G.F. (Lead PI), & **Nelson, E.L.** (Co-PI)
Developmental and Learning Sciences Program
National Science Foundation
Requested Funds: \$849,787 (FIU Subcontract: \$82,245)
Effort: 1.62 months academic year
Declined

2014 – 2017 *Predicting school readiness from infant and toddler lateralization* (1R01HD079549-01)
Michel, G.F. (Lead PI), & **Nelson, E.L.** (Co-PI)
Motor Function, Speech and Rehabilitation
National Institutes of Health
Requested Funds: \$1,066,425 (FIU Subcontract: \$93,317.97)
Effort: 1.80 months academic year
Not discussed

2014 – 2015 *Social laterality in captive spider monkeys (*Ateles fusciceps rufiventris*)*
*Boeving, E.R. (Student PI), & **Nelson, E.L.** (Faculty Mentor)
General Small Grant
American Society of Primatologists
Requested Funds: \$1,459
Declined

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS

N/A

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

FIU College of Arts, Sciences, and Education Faculty Award for Teaching	2016
Hennessy-Smotherman-Wiley Best Student Paper Award Developmental Psychobiology	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

OFFICES HELD IN PROFESSIONAL SOCIETIES

N/A

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Service to Professional Associations and Societies

Editorial Board Service

Frontiers in Psychology | *Developmental Psychology*, Appointed 2017

Ad-hoc Journal and Book Reviewer (24)

American Journal of Primatology

Animal Cognition

Behavioural Brain Research

Behavioural Processes

Biology Letters

Cambridge University Press

Child Development

Cognition

Developmental Psychobiology

Developmental Psychology

Experimental Brain Research

Frontiers in Psychology | *Developmental Psychology*

Frontiers in Psychology | *Perception Science*

Infancy

Infant Behavior and Development

Journal of Comparative Psychology

Journal of Experimental Child Psychology

Journal of Visualized Experiments (JOVE)

Laterality

Mind, Brain and Education

Neuropsychologia

PLOS ONE

Psychological Research

Research in Developmental Disabilities

Ad-hoc Grant Reviewer

European Research Council (SH4 Panel: The Human Mind and Its Complexity)

2018

American Society of Primatologists Conservation Grants

2007 – 2010

Conference/Symposia Reviewer

International Society for Developmental Psychobiology

2016

International Conference on Infant Studies (Panel: Motor and Sensorimotor Processes)

2015 –

American Society of Primatologists

2011

Symposium Organizer

The Development of Handedness: Taking Stock and Looking Ahead.

2014

XIX Biennial International Conference on Infant Studies, Berlin, Germany.

Other Conference Activities

Session Moderator, International Society for Developmental Psychobiology

2016

Poster Judge, International Society for Developmental Psychobiology

2014

Meet the Professors event participant, International Society for Developmental Psychobiology

2013

Advisory Panels

Wiley Advisors group for Early Career Researchers

2010 – 2017

Professional Affiliations

American Society of Primatologists

2002 – 2013

International Primatological Society

2002 – 2013

Society for Research in Child Development

2005 – 2007

Society for the Study of Human Development

2013 – 2014

International Society for Developmental Psychobiology

2010 –

International Society on Infant Studies

2010 –

Comparative Cognition Society

2017 –

Society for Behavioral Neuroscience and Comparative Psychology (APA: Division 6)

2018 –

Service to Department

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

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, 2015, 2016
Member, Center for Children and Families	2013 – 2017
Member, College of Arts & Sciences Mentor Program (Mentor: Phil Stoddard)	2012 –

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

Speaker, DuMond Conservancy Scientific Advisory Board	2015
FIU Child Labs Community Outreach Booth, The Children's Trust Family Expo	2013 – 2015
Invited Primate Lecture, T. Wingate Andrews High School (High Point, NC)	2010

TEACHING EXPERIENCE

Key: * graduate level course. FA = Fall, SP = Spring, SU = Summer. Enrollment in parentheses.

Note: On leave Fall 2017 semester

Florida International University

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

Primary Instructor

Advanced Experimental Psychology Lab (EXP-4005L)	SP 2013 (37); SP 2014 (29)
Advanced Experimental Psychology Lecture (EXP-4005)	SP 2013 (38); SP 2014 (30)
*Animal Cognition (CBH-5256)	FA 2014 (12)
Animal Cognition (PSB-4250)	FA 2013 (45); SP 2015 (29); SP 2016 (59)
*Bio Basis of Behavior Development (DEP-5058)	SP 2018 (13)
Honors Research Project (PSY-4914)	FA 2013 (1); FA 2016 (1); SP 2017 (1)
Independent Readings (PSY-4900)	SP 2016 (1)
Independent Research (PSY-4916)	SU 2014 (1); SP 2015 (1); SU 2015 (2); FA 2015 (2)
Introductory Bio-Psychology (PSB-4002)	SP 2014 (82); SU 2015 (18); FA 2015 (137)
Introductory Bio-Psychology Hybrid (PSB-4002)	SP 2016 (49); FA 2016 (75); SP 2017 (49)
Introductory Bio-Psychology Online (PSB-4002)	SU 2016 (47); SU 2017 (60); SU 2018 (67)
Measuring Animal Behavior (PSY-4931)	FA 2014 (12); SP 2015 (16); FA 2016 (14)
*Motor Development (PSY-5939)/(PSY-4930)	FA 2015 (8)
*Directed Individual Study (PSY-5908)	FA 2016 (1); SP 2017 (1)

*Ph.D. Dissertation (PSY-7980)
*Supervised Research (PSY-5918)

FA 2017 (1); SP 2018 (1); SU 2018 (1)
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)

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 SP 2005; FA 2009
Introduction to Psychology FA 2004; FA 2008; SP 2009; SP 2010

MENTORING AND ADVISING

FIU Dissertation Advisor Status Spring 2015 –
FIU NIGMS RISE Mentor Status Spring 2014 –
FIU MARC U*STAR Mentor Status Spring 2014 –

FIU Ph.D. candidates	Major	Role	Status
5. Carolina Vias	Cognitive Neuroscience	Member	Committee formed (D1 filed)
4. Michelle Ramos “The development of reward processing and risky behavior”	Developmental Science	Member	Proposed 6/21/2018
3. Sandy Gonzalez “Neural and motor predictors of language development in infancy”	Developmental Science	Chair	Proposed 4/23/2018
2. Starlie Belnap “The influence of maternally regulated prenatal sensory experience on postnatal motor coordination in neonatal bobwhite quail (<i>Colinus virginianus</i>)”	Developmental Science	Member	Proposed 02/08/2018
1. Rosalie Odean “The development of spatial vocabulary”	Developmental Science	Member	Defended 03/21/2018

FIU M.A. candidates	Major	Role	Status
7. Zahra Nazarimehrvarani “Interrelations among emotion regulation, eating behaviors, and risk for eating disorders during women’s transition to adulthood”	Developmental Science	Member	Proposed 4/16/2018
6. Megan Taylor “Developmental trajectories for role-differentiated bimanual manipulation in infants”	Developmental Science	Chair	Proposed 05/25/2017
5. Michelle Ramos “Individual differences in self-reported attentional control moderates the relation between error monitoring and anxiety in children and adolescents”	Developmental Science	Member	Defended 07/06/2017
4. Sandy Gonzalez “Measuring comprehension in diverse Hispanic infants using the Mexican-Spanish CDI”	Developmental Science	Chair	Defended 05/02/2017
3. Starlie Belnap	Developmental Science	Member	Defended 12/06/2016

“Coordinated movement is influenced by prenatal light experience in bobwhite quail hatchlings (*Colinus virginianus*)”

2. **Emily Boevig** Developmental Science Chair Defended 06/21/2016
“Hugs are lateralized in spider monkeys”

1. **Rosalie Odean** Developmental Science Member Defended 07/08/2015
“Comprehension and real-time processing of English dimensional adjectives in toddlers”

FIU Undergraduate Honors Major Role Status

6. **Alyssa Seidler** Psychology Chair Defended 4/26/2017
“Reaching kinematics in infant rhesus monkeys (*Macaca mulatta*)”

5. **Melissa Fajardo** Psychology Chair Defended 12/07/2016
“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
“Attention filtering and conversational engagement as predictors of language at 18 months”

3. **Aysha Suplice** Psychology Member Defended 12/07/2016
“Attention filtering and conversational engagement as predictors of language at 18 months”

2. **Alejandra Figueroa** Biology Member Defended 04/24/2014
“Sex differences in captive spider monkey social behaviors (*Ateles fusciceps rufiventris*)”

1. **Stephanie Albright** Psychology Chair Defended 12/06/2013
“What is the function of owl monkey calls?”

Undergraduate Thesis Supervision at the University of Massachusetts Amherst

4. **Michelle Emery** Psychology Member Defended December 2009
“Uncovering the development of laterality in infant rhesus monkeys (*Macaca mulatta*) through head orientation and hand preference”

3. **Angela Locantore** Animal Science Supervisor Defended May 2009
“Measuring handedness in rhesus monkeys (*Macaca mulatta*): The interaction between hand preference and hand performance”

2. **Yelena Vaydman** Psychology Member Defended May 2009
“The effect of cognitive testing on the well-being of rhesus monkeys (*Macaca mulatta*)”

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

Undergraduate Supervision Major(s) Term(s)

Research Assistants in the HANDS Lab at Florida International University

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|------------------------|--------------------|---------------------------|
| 1. Stephanie Albright | Psychology | Fall 2012 – Fall 2013 |
| 2. Yasmin Ali | Biology | Summer 2017 – |
| 3. Veronica Alvarez | Biology | Fall 2016 – |
| 4. Katherine Antillano | Biology | Fall 2015 – Fall 2016 |
| 5. Cassandra Arvelo | Psychology/Biology | Summer 2015 – Spring 2016 |
| 6. Venus Betancourt | Biology | Fall 2015 – |

7. Anais Cabezas	Psychology	Spring 2015 – Fall 2015
8. Gema Carroll-Zuluaga	Psychology/Biology	Spring 2016 – Fall 2017
9. Ansley Castineira	Biology	Spring 2015 – Spring 2017
10. Yoli Davalos	Psychology/Biology	Spring 2017 – Summer 2017
11. Armando Del Valle	Chemistry	Fall 2017 –
12. Alexandra Derr	Biology	Fall 2013 – Spring 2014
13. Christina Diaz	Psychology	Spring 2013 – Fall 2013
14. Emily Diaz	Biology	Spring 2017 –
15. Michelle Diaz	Psychology/Religion	Spring 2015 – Summer 2015
16. Barbara Dominguez	Psychology/Biology	Fall 2013 – Fall 2015
17. Melissa Fajardo	Psychology	Fall 2013 – Summer 2018
18. Alejandra Figueroa	Biology	Fall 2012 – Summer 2015
19. Alfredo Garcia	Biology	Summer 2015 – Summer 2016
20. Andres Gil	Psychology	Spring 2013 – Summer 2013
21. Maria Gonzalez	Biology	Spring 2013 – Fall 2013
22. Giulianna Kendall	Psychology/Biology	Spring 2015 – Fall 2017
23. Alejandra Lopez	Psychology	Summer 2015 – Fall 2015
24. Violeta Mora Aballe	Biology	Summer 2017 –
25. Lorena Mendez	Psychology	Summer 2017 – Spring 2018
26. Genesis Mendoza	Biology	Fall 2013
27. Angela Montanez	Psychology	Fall 2015 – Spring 2016
28. Emily Morales	Biology	Summer 2018 –
29. Kimberly Morales	Biology	Fall 2017 – Spring 2018
30. Sara Neuman	Biology	Fall 2013 – Spring 2017
31. Vanessa Padilla	Psychology	Fall 2014 – Summer 2015
32. Narciso Pavon	Psychology	Fall 2016 – Summer 2018
33. Andrea Perez-Villarreal	Psychology	Fall 2014 – Fall 2015
34. Joyce Ruiz	Psychology	Spring 2014
35. Eduardo Saczek	Psychology	Summer 2015 – Spring 2016
36. Alyssa Seidler	Psychology	Fall 2016 – Spring 2017
37. Jonathan Solis	Psychology/Philosophy	Summer 2017 –
38. Marisol Soula	Psychology/Biology	Spring 2013 – Fall 2014
39. Joseph Stearns	Psychology	Summer 2014
40. Melisa Stecklen	Psychology	Summer 2016 – Fall 2016
41. Bianca Tercero	Psychology/Biology	Fall 2014 – Summer 2016
42. Elizabeth Torres	Psychology	Fall 2016 – Spring 2017
43. Angela Toscano	Biology	Fall 2014
44. Samantha Verne	Psychology/Biology	Spring 2013 – Fall 2013
45. Sofia Zunjic	Psychology	Fall 2014

Summer Internship Program	Home Institution	Term
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1. Kaitlyn Vogel “Fine motor skills and the implications on future academic achievement”	Illinois State University	Summer 2014
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High School students	School	Term
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FIU Summer Research Internship Participants

1. Shaileen Barberena	MAST @ Homestead	Summer 2018
2. Renzo Cavero “The role of sticky mittens on neural development”	TERRA	Summer 2015
3. Joeeta Bagchi “Reaching kinematics in an infant spider monkey”	TERRA	Summer 2013

“Hand preference is associated with language ability in toddlers”

STUDENT AWARDS

Graduate Students

<i>Student Name</i>	<i>Date</i>	<i>Award</i>
Sandy Gonzalez	2017	International Society for Developmental Psychobiology Travel Award
	2016	International Society for Developmental Psychobiology Travel Award
	2015-2018	NIGMS RISE Graduate Fellowship (\$75,000 plus yearly travel stipend)
	2015	Honorable Mention (Poster Presentation) at FIU MARC U*STAR and MBRS-RISE Mini Symposium
	2014	International Society for Developmental Psychobiology Travel Award
Megan Taylor	2017	International Society for Developmental Psychobiology Travel Award

Undergraduate/Post-Baccalaureate Students

Sara Neuman	2016	University of Michigan Ecology and Evolutionary Biology (EEB) and Molecular, Cellular, and Developmental Biology (MCDB) Fall Graduate Program Preview Weekend (Travel, Housing, Meals)
	2016	International Conference on Infant Studies Undergraduate Travel Award (1 of 19 awarded)
Narciso Pavon	2017	International Society for Developmental Psychobiology Travel Award
Marisol Soula	2016	FIU Worlds Ahead Award (Biology)
	2014	FIU MARC U*STAR Undergraduate Fellowship

POPULAR PRESS AND MEDIA

Preschoolers' cognitive skills may be tied to timing of their motor milestones Commentary in Reuters.com; Foxnews.com	6/2016
Strong partnership between students and mentors sparks cutting-edge research Featured in FIU news	4/2016
Spider monkeys point to a new understanding of hand dominance Featured in FIU News; Phys.org	3/2015
Infants with a clear hand preference show advanced language ability as toddlers Featured in FIU News; MedicalXpress.com	7/2014
Early hand preference tied to language Featured on Wall Street Journal Live Lunch Break program and WSJ.com Life & Culture	4/2014
Professor and students are “monkeying” around Featured in FIUSM.com News	4/2013
Handedness in primatological perspective Featured in Popular Anthropology Magazine article	3/2010
50 50 Television Program (South Africa) Featured in segment on research at Monkeyland Primate Sanctuary	7/2007