

CURRICULUM VITAE
OF
**ELIZA L. NELSON, DEPARTMENT OF PSYCHOLOGY
FLORIDA INTERNATIONAL UNIVERSITY**

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
Lab Website: <http://hands.fiu.edu>

EDUCATION

Ph.D.	University of Massachusetts Amherst, Neuroscience and Behavior Co-Chairs: Dr. Neil Berthier and Dr. Melinda Novak	9/2007 – 8/2010
M.S.	University of Massachusetts Amherst, Neuroscience and Behavior Chair: Dr. Neil Berthier	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/NICHHD 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

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 (15; 12 first or senior author)

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.
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.
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.
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.
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.
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.
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.
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.

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.
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.
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.
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.
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.
- **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. doi: 10.1002/ajp.20746.
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.

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.
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.

Government Reports or Monographs

N/A

Book Reviews

N/A

Posters, Talks, and Conference Proceedings (41)

Key: *Student I advised or am advising

41. *Boevig, E.R., & **Nelson, E.L.** (2016, August). Dyadic socio-communicative behavior is lateralized in captive Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Talk** to be presented at the joint American Society of Primatology/International Primatological Society meeting in Chicago, Illinois, USA.

40. *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** to be presented at the joint American Society of Primatology/International Primatological Society meeting in Chicago, Illinois, USA.
39. **Nelson, E.L.**, & *Neuman, S. (2016, May). Development of reaching and grasping in infant and adult Colombian spider monkeys. **Poster** to be 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, Louisiana, USA.
38. *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** to be presented at the XX Biennial International Conference on Infant Studies, New Orleans, Louisiana, USA.
37. Hartstein, L., Agrawal, V., **Nelson, E.L.**, & Berthier, N.E. (2016, May). Hand preference is related to hand skill at 2 years. **Poster** to be presented at the XX Biennial International Conference on Infant Studies, New Orleans, Louisiana, USA.
36. *Boeving, E.R., *Kendall, G.A., & **Nelson, E.L.** (2016, April). Socio-behavioral asymmetries in Colombian spider monkeys (*Ateles fusciceps rufiventris*). **Poster** to be presented at the 23rd Annual International Conference on Comparative Cognition, Melbourne, FL, USA.
35. *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.
34. *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.
33. *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 South Florida Child Psychology Research Conference, Miami, FL, USA.
32. *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.
31. *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.
30. *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.
29. 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.
28. *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.

27. *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.
26. *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 meeting of the American Society of Primatologists, Decatur, GA, USA. **Proceedings** in *American Journal of Primatology*, 76 (S1), 51.
25. **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.
24. 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.
23. **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.
22. *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.
21. *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.
20. *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.
19. **Nelson, E.L.**, *Figuroa, 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 meeting of the American Society of Primatologists, San Juan, Puerto Rico, USA. **Proceedings** in *American Journal of Primatology*, 75 (S1), 57.
18. **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.
17. **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, Minnesota, USA.
16. **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.

15. **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, California USA. **Proceedings** in *Developmental Psychobiology*, 52, 711.
14. **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, New York USA.
13. **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 meeting of the American Society of Primatologists, Louisville, Kentucky USA. **Proceedings** in *American Journal of Primatology*, 72 (S1), 53.
12. **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, Maryland USA.
11. **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 meeting of the American Society of Primatologists, San Diego, California USA. **Proceedings** in *American Journal of Primatology*, 71 (S1), 38.
10. **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 meeting of the American Society of Primatologists, San Diego, California USA. **Proceedings** in *American Journal of Primatology*, 71 (S1), 49.
9. **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), Abst #571.
8. **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.
7. 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.
6. **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 American Society of Primatologists Annual Meeting, Winston-Salem, North Carolina USA. **Proceedings** in *American Journal of Primatology*, 69 (S1), 131.
5. **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 American Society of Primatologists Annual Meeting, Winston-Salem, North Carolina USA. **Proceedings** in *American Journal of Primatology*, 69 (S1), 66.

4. **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.

3. **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.

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

1. **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, Massachusetts USA.

INVITED LECTURES

14. **Nelson, E.L.** (2015, September). Scientific writing, abstract submissions, and selecting the appropriate journals. MARC U*STAR & MBRS RISE Programs Fall Workshop Series. FIU, Miami, FL.

13. **Nelson, E.L.** (2014, September). Science writing: The art of the abstract. MARC U*STAR & MBRS RISE Programs Fall Workshop Series. FIU, Miami, FL.

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 in Preparation

#**Nelson, E.L.**, Berthier, N.E., & Konidaris, G.D. (in preparation). Handedness and reach kinematics in adults: Left-handers are not reversed right-handers.

#**Nelson, E.L.**, *Gonzalez, S.L., Coxe, S., Campbell, J.M., Marcinowski, E.C., & Michel, G.F. (in preparation). Toddler hand preference trajectories predict 3-year language outcome.

#Marcinowski, E.C., **Nelson, E.L.**, Campbell, J.M., & Michel, G.F. (in preparation). The development of object construction from infancy through toddlerhood.

Grants Under Review

NSF BCS 1628514

Motor experience and the social brain in infants

09/01/16-08/31/20. Requested: \$528,861.23. Submitted 01/15/16.

Role: PI

FUNDED RESEARCH

External

San Diego State University Research Foundation Award Nelson (PI) 08/01/14 – 12/31/16

Development of MacArthur-Bates forms and norms for children from varied Spanish language communities

The goal of this project funded by the San Diego State University Research Foundation is to adapt the Spanish-language version of the *MacArthur-Bates Communicative Development Inventories (Inventarios)* for use in Miami-Dade county and other regions of the United States with heterogeneous Hispanic populations. The current *Inventarios* were developed for Hispanic children of Mexican origin only. There is a critical need for improving this parent language checklist, which is widely used in other languages in developmental research.

Award: \$1,100.

Role: PI

5T32HD007376-25

Hussong (PI)

09/01/10 – 08/31/12

Human development: Interdisciplinary research training

This T32 training program grant supported my postdoctoral training at the Center for Developmental Science. Training included a postdoctoral advisory committee, weekly proseminar, research seminars, professional development workshops and colloquia, individual courses (e.g., kinesiology), and supervised research.

Award: \$78,288.

Role: Postdoctoral Trainee

Internal

2015 FIU CCF Intramural Award Nelson (PI) 05/26/15-06/30/16
Measuring motor experience in the infant brain
 This seed grant from the Center for Children and Families at Florida International University supports the collection of pilot data on EEG/ERP/fMRI projects in infants. Award: \$5,000.
 Role: PI

2014 FIU CCF Intramural Award Nelson (PI) 02/06/14 – 06/30/16
Brain measures for examining lateralization in infants
 This seed grant from the Center for Children and Families at Florida International University provides funds for training in core dEEG skills at EGI Summer School for graduate students in my lab and supports the collection of pilot data on EEG/ERP projects in infants. Award: \$4,000.
 Role: PI

PROPOSALS SUBMITTED BUT NOT FUNDED

Key: * Student I advised or am advising.

1R03HD086836-01A1
Plasticity in neural correlates of motor and social function following early motor experience in 3-month-old infants
 07/01/16-06/30/18. Requested: \$145,000. Declined.
 Role: PI

1R03HD086836-01
Plasticity in neural correlates of motor and social function following early motor experience in 3-month-old infants
 09/01/15-08/31/17. Requested: \$145,000. Declined.
 Role: PI

2015 NSF Graduate Research Fellowship Program
Early language comprehension in Hispanics: Improving current measures
 09/01/15-08/31/18. Requested: \$132,000. Declined.
 Role: Mentor (S.L. Gonzalez*, Applicant)

American Society of Primatologists General Small Grant
Social laterality in captive spider monkeys (*Ateles fusciceps rufiventris*)
 08/01/14-07/31/15. Requested: \$1,459. Declined.
 Role: Mentor (E.R. Boevig*, Applicant)

NSF BCS 1424009
Motor trajectories for school readiness
 08/01/14-07/31/17. Requested: \$424,677. Declined.
 Role: PI

2014 NSF Graduate Research Fellowship Program
Infant attention to role-differentiated bimanual events
 09/01/14-09/01/17. Requested: \$132,000. Declined.
 Role: Mentor (S.L. Gonzalez*, Applicant)

NSF BCS 1348560
Development of lateralization, language, and cognition in preschool children
 05/01/14-04/30/17. Requested: \$849,787 (FIU Subcontract: \$82,245). Declined.
 Role: Co-I (G.F. Michel, PI)

Predicting school readiness from infant and toddler lateralization

05/01/14-04/30/17. Requested: \$1,023,757.00 (FIU Subcontract: \$93,317). Declined.

Role: Co-I (G.F. Michel, PI)

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS

N/A

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

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

Ad-hoc Journal Reviewer

*American Journal of Primatology • Animal Cognition • Behavioural Brain Research • Behavioural Processes
Child Development • Cognition • Developmental Psychobiology • Developmental Psychology
Journal of Comparative Psychology • Journal of Experimental Child Psychology • Laterality
Neuropsychologia • Research in Developmental Disabilities*

Ad-hoc Grant Reviewer

American Society of Primatologists Conservation Grants 2007, 2008, 2009, 2010

Conference Reviewer

American Society of Primatologists 2011
International Conference on Infant Studies 2015

Advisory Panels

Wiley Science Advisors 2010 –

Professional Affiliations

American Society of Primatologists 2002 –
International Primatological Society 2002 –
International Society for Developmental Psychobiology 2010 –
International Society on Infant Studies 2010 –
Society for Research in Child Development 2005 –

Symposium Organizer

The Development of Handedness: Taking Stock and Looking Ahead.
XIX Biennial International Conference on Infant Studies, Berlin, Germany.

2014

Service to Universities and Colleges**Florida International University**

CCF Website Committee	2015 –
Undergraduate Curriculum Committee	2013 –
Cognitive Neuroscience Program Committee	2013 –
College of Arts & Sciences Mentor Program (Mentor: Phil Stoddard)	2012 –
Developmental Science Program Committee	2012 –
MARC U*STAR & MBRS RISE Programs Mini-Symposium Judge	2014, 2015
Psychology Colloquium Committee	2012 – 2013

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	Fall 2008
Orientation Committee Incoming Psych Grad Students, UMass Amherst	Fall 2007; Fall 2008
Co-Chair NSB Graduate Program Annual Student Retreat, UMass Amherst	Fall 2005

Service to Community and Public

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

TEACHING EXPERIENCE

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

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 (EXP4005L)	SP 2014 (29); SP 2013 (37)
Advanced Experimental Psychology Lecture (EXP4005)	SP 2014 (30); SP 2013 (38)
*Animal Cognition (CBH5256)	FA 2014 (12)
Animal Cognition (PSB4250)	FA 2013 (45); SP 2015 (29); SP 2016 (59)
Honors Research Project (PSY4914)	FA 2013 (1)
Independent Readings (PSY4900)	SP 2016 (1)
Independent Research (PSY4916)	SU 2014 (1); SP 2015 (1); SU 2015 (2)
Introductory Bio-Psychology (PSB4002)	SP 2014 (84); SU 2015 (18); FA 2015 (137)
Introductory Bio-Psychology Hybrid (PSB4002)	SP 2016 (49)
Measuring Animal Behavior (PSY4931)	FA 2014 (12); SP 2015 (16)
*Motor Development (PSY5939)/(PSY4930)	FA 2015 (8)
Supervised Research (PSY5918)	SU 2014 (1); SU 2015 (2), SP 2016 (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 FA 2009; SP 2005
 Introduction to Psychology SP 2010; SP 2009; FA 2008; FA 2004

MENTORING AND ADVISING

Graduate student supervision (Key: * committee chair, ^ committee member.)

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

Ph.D. candidates	Major	Status
^Rosalie Odean	Developmental Science	Committee Formed 10/2015

M.A. candidates	Major	Status
^Starlie Belnap	Developmental Science	Proposed 04/02/2015
*Emily Boeving	Developmental Science	Proposed 02/26/2015
*Sandy Gonzalez	Developmental Science	Proposed 03/03/2015
^Rosalie Odean	Developmental Science	Defended 07/08/2015

Undergraduate students	Major(s)	Term(s)
-------------------------------	----------	---------

Research Assistants in the HANDS Lab at FIU

Key: * honors thesis committee chair, ^ honors thesis committee member.

*Stephanie Albright	Psychology	Fall 2012 – Fall 2013
Katherine Antillano	Biology	Fall 2015 –
Cassandra Arvelo	Psychology/Biology	Summer 2015 –
Venus Betancourt	Biology	Fall 2015 –
Anais Cabezas	Psychology	Spring 2015 – Fall 2015
Gema Carroll-Zuluaga	Psychology/Biology	Spring 2016 –
Ansley Castineira	Biology	Spring 2015 –
Alexandra Derr	Biology	Fall 2013 – Spring 2014
Christina Diaz	Psychology	Spring 2013 – Fall 2013
Michelle Diaz	Psychology/Religion	Spring 2015 – Summer 2015
Barbara Dominguez	Psychology/Biology	Fall 2013 –
Melissa Fajardo	Psychology	Fall 2013 –
^Alejandra Figueroa	Biology	Fall 2012 – Summer 2015
Alfredo Garcia	Biology	Summer 2015 –
Andres Gil	Psychology	Spring 2013 – Summer 2013
Maria Gonzalez	Biology	Spring 2013 – Fall 2013
Giulianna Kendall	Psychology/Biology	Spring 2015 –
Alejandra Lopez	Psychology	Summer 2015 –
Genesis Mendoza	Biology	Fall 2013
Angela Montanez	Psychology	Fall 2015 –
Sara Neuman	Biology	Fall 2013 –
Vanessa Padilla	Psychology	Fall 2014 – Summer 2015
Andrea Perez-Villarreal	Psychology	Fall 2014 – Fall 2015
Joyce Ruiz	Psychology	Spring 2014

Eduardo Saczek	Psychology	Summer 2015 –
Marisol Soula	Psychology/Biology	Spring 2013 – Fall 2014
Joseph Stearns	Psychology	Summer 2014
Bianca Tercero	Psychology/Biology	Fall 2014 –
Angela Toscano	Biology	Fall 2014
Samantha Verne	Psychology/Biology	Spring 2013 – Fall 2013
Sofia Zunjic	Psychology	Fall 2014

Undergraduate Thesis Supervision at the University of Massachusetts Amherst

Key: * thesis committee chair, ^ thesis committee member.

*Michelle Emery	Psychology	Fall 2008 – Spring 2009
*Angela Locantore	Animal Science	Fall 2008 – Spring 2009
*Jaime O’Karma	Psychology	Fall 2007 – Spring 2008
^Yelena Vaydman	Psychology	Fall 2008 – Spring 2009

Summer Internship Program	Home Institution	Term
Kaitlyn Vogel	Illinois State University	Summer 2014

High School students	School	Term
----------------------	--------	------

FIU Summer Research Internship Participants

Joeeta Bagchi	TERRA	Summer 2013
Renzo Cavero	TERRA	Summer 2015
Helen Gall	MAST @ Homestead	Summer 2013

STUDENT AWARDS

Student Name	Date(s)	Award
Sara Neuman	2016	International Conference on Infant Studies Undergraduate Travel Award (Total Award = \$700)
Sandy Gonzalez	2015	Honorable Mention (Poster Presentation) at FIU MARC U*STAR and MBRS-RISE Mini Symposium
Sandy Gonzalez	2015	Psychology Graduate Student Award (supports thesis research) (Total Award = \$2,000)
Sandy Gonzalez	2015 –	NIGMS RISE Graduate Fellowship (Total Award = \$25,000 + Tuition and Travel annually)
Marisol Soula	Fall 2014	FIU MARC U*STAR Undergraduate Fellowship

POPULAR PRESS AND MEDIA

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 'monkeying around'

Featured in FIU Student Media article

Handedness in primatological perspective

Featured in Popular Anthropology Online Magazine article

3/2010

50|50 Television Program (South Africa)

Featured in segment on research at Monkeyland Primate Sanctuary

7/2007