

David M. Corey

Curriculum Vitae

Contact Information

Department of Psychology
2007 Stern Hall
Tulane University
New Orleans, Louisiana 70118-5698

dave@tulane.edu

Education

1999 – 2003 Post-Doctoral Research Fellow, Cognitive Neuroscience, Tulane University Health Sciences Center. Mentored by Anne L. Foundas, MD

Ph.D., 1999 Quantitative Methods in Psychology, Tulane University, New Orleans, Louisiana. Dissertation: *Averaging Correlations: An Examination of Alternative Procedures*. Mentored by William P. Dunlap, Ph.D.

M.S., 1996 Perception, Tulane University, New Orleans, Louisiana. Master's Thesis: *Perception of Event Properties in Point-Light Displays: Is Form Perception Required?* Mentored by Stephen B. Flynn, Ph.D.

B.A., 1989 Cum laude, Psychology, University of Arizona, Tucson, Arizona

Academic Appointments

2017 – present Senior Professor of Practice, Department of Psychology, Tulane University

2003 – present Neuroscience Program Faculty, Tulane University

2011 – 2017 Professor of Practice, Department of Psychology, Tulane University

2003 – 2011 Assistant Professor, Department of Psychology, Tulane University

2003 – 2004 Adjunct Instructor, Department of Psychiatry and Neurology, TUHSC

2002 – 2003 Research Instructor, Department of Psychiatry and Neurology, TUHSC

1999 – 2002 Instructor, Department of Psychiatry and Neurology, TUHSC

1996 – 1999 Adjunct Instructor, Department of Psychology, Loyola University

Honors and Awards

2004 – 2005 Mortar Board Teaching Award, Newcomb College of Tulane University

1993 – 1997 Louisiana Education Quality Support Fund (LEQSF) Fellowship recipient

Courses Recently Attended

2023 *Introduction to SEM with lavaan*. Robert J. Vandenberg, Consortium for the Advancement of Research Methods and Analysis (CARMA), online.

2020 *Online Teaching Training*, Tulane University, New Orleans, LA.

2017 *Introduction to Multilevel Modeling*, James LeBreton, Consortium for the Advancement of Research Methods and Analysis (CARMA), Wayne State University, Detroit MI.

Peer Review Participation

Grant Review Panel Membership

Research Experiences for Undergraduates (REU) Sites for NSF SBU (Panel# P130310)

Ad Hoc Peer Reviewer

Various journals

Funding

Grant Support as Principal Investigator (PI)

Sex Differences in Language Fluency, Auditory Processing, and Anatomy of the Planum Temporale (PI, 8.33% academic year). Louisiana Board of Regents Support Fund (BORSF) Research Competitiveness Subprogram (RCS), (7/1/05 – 6/30/09) LEQSF-(2005-08)-RD-A-30; \$124,580.

Hippocampal Volume and Dementia of the Alzheimer's Type: A Comparison of Alternative Measurement Methods (PI, 20% effort). Veterans Administration Mental Illness Research, Education and Clinical Center (VA-MIRECC) Pilot Study Research Program award, (9/02 – 9/03) \$15,000.

Grant Support as Investigator (I) or Consultant (C)

Limb Apraxia: Neural Mechanisms in Left and Right Hemisphere Stroke (co-I, Anne L. Foundas PI). Veteran's Administration Merit Review, (9/1/04 – 8/12/06) \$325,900 (direct).

Developmental Stuttering: MRI Anatomical Studies in Children (Co-I, Anne L. Foundas PI). NIH DC04957, (9/1/02 – 8/31/05), \$150,000.

Neural Systems of Stuttering: Anatomical, Functional, and Treatment Studies (Co-I, Anne L. Foundas PI). Dana Clinical Hypotheses in Neuroscience Research Program: Imaging Brain Diseases to Develop New Therapies, (4/1/01 – 4/30/04), \$100,000.

Neurobiologic Substrates of Stuttering (Co-I, Anne L. Foundas PI). Mentored Clinical Scientist Development Award, NIH-National Institute of Deafness and Communication Disorders. K08 DC00135, (1/1/97 – 12/31/01, supported by extension to 12/31/02) \$418,500 (full supported period).

MRI Morphology: Biologic Basis of Stuttering and the Neurobiology of Schizophrenia (Co-I, Anne L. Foundas PI). General Clinical Research Center, Medical Center of Louisiana, New Orleans, NIH 5M01 RR05096, (4/1/97 – 3/31/01).

The Neural Mechanisms of Dysphagia in Stroke: A Longitudinal Study (C, Stephanie K. Daniels PI). Veterans Affairs HSR&D, Advanced Career Development Program, (4/1/06 – 3/31/09); \$425,876.

Neurological Predictors of Dysphagia and Recovery in Stroke (C, Stephanie K. Daniels PI). Veterans Administration Career Development Award, (4/1/03 – 3/31/06) \$250,000.

Swallowing in Alzheimer's and Vascular Dementia (C, Stephanie K. Daniels, PI). South Central VA Health Care Network Pilot Project Grant (3/1/04 – 2/28/06) \$100,000

Research

Peer-Reviewed Journal Articles

1. Dorofeikova, M., Stelly, C.E., Duong, A., Basavanhalli, S., Bean, E., Weissmuller, K., Sifnugel, N., Resendez, A., **Corey, D.M.**, Tasker, J.G., & Fadok, J.P (2023). The role of genetically distinct central amygdala neurons in appetitive and aversive responding assayed with a novel dual valence operant conditioning paradigm. *eNeuro*, 10, 0319-22, 10.1523/ENEURO.0319-22.2023.
2. Winston, J. , Jazwinski, B.M., **Corey, D.M.**, & Colombo, P.J. (2021). Music training, and the ability of musicians to harmonize, are associated with enhanced planning and problem-solving. *Frontiers in Psychology*, 12, DOI: 10.3389/fpsyg.2021.805186.
3. Al-Toubi, A.K., Daniels, S.K., Huckabee, M.L, **Corey, D.M.**, & Doeltgen, S.H. (2016). Behavioural and neurophysiological disruption of corticobulbar motor systems and their effects on sequential pharyngeal swallowing. *Physiology & Behavior*, 165, 69-76.
4. Al-Toubi, A.K., Doeltgen, S.H., Daniels, S.K., **Corey, D.M.**, & Huckabee, M.L. (2015). Pharyngeal pressure differences between four types of swallowing in healthy participants. *Physiology & Behavior*, 140, 132-138.
5. Foundas, A.L., Mock, J.R., **Corey, D.M.**, Golob, E.J., & Conture, E.G. (2013). The SpeechEasy Device in Stuttering and Nonstuttering Adults: Fluency Effects while Speaking and Reading. *Brain & Language*, 126, 141–150.

Research

Peer-Reviewed Journal Articles (continued)

6. Foundas, A.L., Mock, J.R., Cindass, R., & **Corey**, D.M. (2013). Atypical caudate anatomy in children who stutter. *Perceptual & Motor Skills*, 116, 528-543.
7. Mock J.M., Zadina J.N., **Corey** D.M., Cohen, J.D., Lemen, L.C., & Foundas, A.L. (2012). Atypical brain torque in boys with developmental stuttering. *Developmental Neuropsychology*, 37, 434-452.
8. Cohen, J.D., Mock, J.R., Nichols, T., Zadina, J., **Corey**, D.M., Lemen, L., Bellugi, U., Galaburda, A., Reiss, A., & Foundas, A.L. (2010). Morphometry of human insular cortex and insular volume reduction in Williams syndrome. *Journal of Psychiatric Research*, 44, 81-89.
9. Cola, M.G., Daniels, S.K., **Corey**, D.M., Lemen, L.C., Romero, M., & Foundas, A.L. (2010) Relevance of Subcortical Stroke in Dysphagia. *Stroke*, 41, 482-486; doi: 10.1161/STROKEAHA.109.566133.
10. Creveling, C., Varela, R.E., Weems, C.F., & **Corey**, D.M. (2010). Maternal control, cognitive style, and childhood anxiety: A test of a theoretical model in a multi-ethnic sample. *Journal of Family Psychology*, 439-448.
11. Murguia M., **Corey** D.M., Daniels S.K. (2009). Comparison of sequential swallowing in individuals with acute stroke and healthy adults. *Archives of Physical Medicine and Rehabilitation*, 90, 1860-1865.
12. Daniels, S.K., Schroeder, M.F., DeGeorge, P.C., **Corey**, D.M., Foundas, A.L., & Rosenbek, J.C. (2009). Defining and Measuring Dysphagia Following Stroke. *American Journal of Speech-Language Pathology*, 18, 74-81.
13. **Corey**, D.M., & Cuddapah, V.A. (2008). Delayed auditory feedback effects during reading and conversation tasks: Gender differences in fluent adults. *Journal of Fluency Disorders*, 33, 291-305.
14. Daniels, S.K., Schroeder, M.F., DeGeorge, P.C., **Corey**, D.M., & Rosenbek, J.C. (2007). The effects of verbal cue on bolus flow during swallowing. *American Journal of Speech-Language Pathology*, 16, 140-147.
15. Knaus, T.A., **Corey**, D.M., Bollich, A.M., Lemen, L.C., & Foundas, A.L. (2007). Anatomical Asymmetries of Anterior Perisylvian Speech-Language Regions. *Cortex*, 43, 499-510.
16. Foundas, A.L., **Corey**, D.M., Hurley, M., & Heilman, K.M. (2006). Verbal dichotic listening in right and left-handed adults: Laterality effects of directed attention. *Cortex*, 42, 79-86.
17. Knaus, T.A., **Corey**, D.M., Bollich, A.M., Lemen, L.C., & Foundas, A.L. (2006). Variability in perisylvian brain anatomy in healthy adults. *Brain and Language*, 97, 219-232.
18. Zadina, J.N., **Corey**, D.M., Casbergue, R.M., Lemen, L.C., Rouse, J.C., Knaus, T.A., & Foundas, A.L. (2006). Lobar asymmetries in subtypes of dyslexic and control subjects. *Journal of Child Neurology*, 21, 922-931.
19. Daniels, S.K., **Corey**, D.M., Fraychinaud, A., Rowell, J., DePolo, A., & Foundas, A.L. (2006). Swallowing lateralization: The effects of modified dual task interference. *Dysphagia*, 21, 21-27.
20. Daniels, S.K., Schroeder, M.F., McClain, M., **Corey**, D.M., Rosenbek, J.C., & Foundas, A.L. (2006). Dysphagia in stroke: Development of a standard method to examine swallowing recovery. *Journal of Rehabilitation Research and Development*, 43, 347-356.
21. Schroeder, M.F., Daniels, S.K., McClain, M., **Corey**, D.M., & Foundas, A.L. (2006). Clinical and cognitive predictors of swallowing recovery in stroke. *Journal of Rehabilitation Research and Development*, 43, 301-310.
22. **Corey**, D.M., & Foundas, A.L. (2005). Measuring Familial Sinistrality: Problems with Dichotomous Classification. *Laterality*, 10, 321-335.
23. Daniels, S.K., **Corey**, D.M., Hadskey, L.D., Legendre, C., Priestly, D.H., Rosenbek, J.C., & Foundas, A.L. (2004). Mechanisms of sequential swallowing during straw drinking in healthy young and older adults. *Journal of Speech, Language, and Hearing Research*, 47, 33-45.
24. Foundas, A.L., Bollich, A.M., Feldman, J., **Corey**, D.M., Hurley, M., Lemen, L.C., & Heilman, K.M. (2004). Aberrant auditory processing and atypical planum temporale in developmental stuttering. *Neurology*, 63, 1640-1646.

Research

Peer-Reviewed Journal Articles (continued)

25. Foundas, A.L., **Corey**, D.M., Hurley, M., & Heilman, K.M. (2004). Verbal Dichotic Listening in Developmental Stuttering: Subgroups with Atypical Auditory Processing. *Cognitive and Behavioral Neurology*, 17, 224-232.
26. Knaus, T.A., Bollich, A.M., **Corey**, D.M., Lemen, L.C., & Foundas, A.L. (2004). Sex-linked differences in the anatomy of perisylvian language cortex: A volumetric MRI study of gray-matter volumes. *Neuropsychology*, 18, 738-747.
27. Foundas, A.L., **Corey**, D.M., Angeles, V., Bollich, A.M., Crabtree-Hartman, E., & Heilman, K.M. (2003). Atypical cerebral laterality in adults with persistent developmental stuttering. *Neurology*, 61, 1378-1385.
28. Beal, D.J., **Corey**, D.M., & Dunlap, W.P. (2002). On the bias of Huffcutt and Arthur's (1995) procedure for identifying outliers in the meta-analysis of correlations. *Journal of Applied Psychology*, 87, 583-589.
29. Daniels, S.K., Barnes, C.L., Fauchaux, N.M., **Corey**, D.M., Priestly, D.H., & Foundas, A.L. (2002). The cortical representation of swallowing: A modified dual-task paradigm. *Perceptual and Motor Skills*, 94, 1029-1040.
30. Fearing, M.K., Browning, C.A., **Corey**, D.M., & Foundas, A.L. (2001). Dual-task performance in right and left handed adults: A finger tapping and foot tapping study. *Perceptual and Motor Skills*, 92, 323-334.
31. Foundas, A.L., Bollich, A.M., **Corey**, D.M., Hurley, M., & Heilman, K.M. (2001). Anomalous anatomy of speech-language areas in adults with persistent developmental stuttering. *Neurology*, 57, 207-215.
32. **Corey**, D.M., Hurley, M.M., & Foundas, A.L. (2001). Right and left handedness defined: A multivariate approach using hand preference and hand performance measures. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology*, 14, 144-152.
33. Lipani, J.D., Bhattacharjee, M.B., **Corey**, D.M., & Lee, D.A. (2000). Reduced nerve growth factor in Rett syndrome postmortem brain tissue. *Journal of Neuropathology and Experimental Neurology*, 59, 889-895.
34. **Corey**, D.M., Dunlap, W.P., & Burke, M.J. (1998). Averaging correlations: Expected values and bias in combined Pearson's *rs* and Fisher's *z* transformations. *The Journal of General Psychology*, 125, 246-261.
35. Fitzpatrick, P.A., Carello, C., Schmidt, R.C., & **Corey**, D. (1994). Haptic and visual perception of an affordance for upright posture. *Ecological Psychology*, 6, 265-287.

Book Chapters

1. **Corey**, D. (1995). Kinematic specification of geometry in dynamic point-light displays. In B.G. Bardy, R.J. Bootsma, & Y. Guiard (Eds.), *Studies in Perception and Action III*. Hillsdale, New Jersey: Erlbaum.
2. Schmidt, R.C., **Corey**, D., Fitzpatrick, P.A., & Riley, M. (1995). The oscillatory basis of Fitts' Law. In B.G. Bardy, R.J. Bootsma, & Y. Guiard (Eds.), *Studies in Perception and Action III*. Hillsdale, New Jersey: Erlbaum.

Conference Presentations

Invited Talks

- c1. **Corey**, D.M. (2007) *Auditory Processing as a Theoretical Risk Factor for Developmental Stuttering: Evidence from Sex Differences*. 12th Robert G. Heath, MD Lecture, Tulane University School of Medicine, New Orleans, Louisiana.

Invited Papers

- c2. **Corey**, D.M. (2009) *Understanding Sex Differences in Developmental Stuttering*. ISAD2009; International Stuttering Awareness Day

Research

Conference Presentations (continued)

Abstracts & Posters

- c3. Foundas, A.L. & Corey, D.M. (2012). Sex-linked handedness effects: Do temporal-parietal asymmetry patterns diverge in adults who stutter?, *Neurology*, 78 (meeting abstracts), P02.053.
- c4. Lovera, J., Corey, D.M., & Foundas, A.L. (2012). Hand preference in developmental stuttering: A test of the Geschwind-Galaburda hypothesis of hemispheric specialization. *Neurology*, 78 (meeting abstracts), P07.178.
- c5. Corey, D.M., & Malone, K. (2009). *Availability of Unaltered Speech Reduces Effects of Delayed Auditory Feedback on Normally-Fluent Adults*. 2009 meeting of the Association for Psychological Science; San Francisco, CA, USA.
- c6. Corey, D.M., & Mortillaro, G. (2009). *Redundancy in α_{EW} Control: Empirical Error Rates and Power in Pairwise Comparisons*. 2009 meeting of the Association for Psychological Science; San Francisco, CA, USA.
- c7. Murguia M., Corey D., Daniels S. (2009). Sequential swallowing in patients with acute stroke. *Dysphagia*, 24, 481.
- c8. Cola, M.G., Daniels, S.K., McClain, M., DeGeorge, P., Corey, D., Lemen L., & Foundas, A.L. (2007). *Verbal Memory Recognition Relates to Ventricular Volume in Mild Alzheimer's Disease*. Cognitive Neuroscience Society, New York, New York, USA. *Supplement of the Journal of Cognitive Neuroscience*, p. 210
- c9. Corey, D.M., & Cuddapah, V. (2007). *Sex Differences in the Effects of Delayed Auditory Feedback: Timing and Cognitive Effects*. Cognitive Neuroscience Society, New York, New York, USA.
- c10. Daniels S.K., Corey D.M., Schulz P.E., Foundas A.L., & Rosenbek J.C. (2007). Effects of evaluation variables on swallowing performance in mild Alzheimer's disease. *Dysphagia*, 22, 386.
- c11. Daniels, S.K., Corey, D.M., Schulz, P.E., Foundas, A.L., & Rosenbek, J.C. (2007). *Effect of Evaluation Variables on Swallowing in Mild Alzheimer's Disease*. Dysphagia Research Society, Vancouver, BC, Canada.
- c12. Daniels S.K., Corey D.M., Fraychinaud A., Rowell J., DePolo A., & Foundas A.L. (2006). Swallowing lateralization: The effects of dual task interference. *Dysphagia*, 20, 77.
- c13. Mock, J.R., Zadina, J., Rouse, J., Corey, D.M., Lemen, L.C., & Foundas, A.L. (2006). *Atypical Cerebral Laterality in Children with Persistent Developmental Stuttering*. Society for Neuroscience, Program No. 665.5. Atlanta, Georgia, USA.
- c14. Corey, D.M., & McWilliams, E. (2005). *Sex Differences in the Effects of Delayed Auditory Feedback*. Society for Neuroscience, Program No. 643.10. Washington, D. C., USA.
- c15. Daniels, S.K., Schroeder, M.F., McClain, M., Corey, D.M., & Foundas, A.L. (2004). *Neurocognitive Predictors of Swallowing Recovery in Stroke*. American Academy of Neurology, San Francisco, CA.
- c16. Corey, D.M. (2003). *MANOVA and Discriminant Function Analysis*. Symposium, Southeastern Social Psychologists, New Orleans, Louisiana.
- c17. Corey, D.M., & Foundas, A.L. (2003). *How to Measure Familial Sinistrality*. Society for Neuroscience, Program No. 714.5. New Orleans, Louisiana, USA.
- c18. Daniels S.K., Corey D.M., Damon L., Legendre C., Priestly D.H., Rosenbek J.C., & Foundas AL. (2003). The physiology of sequential straw drinking: A comparison between young and old. *Dysphagia*, 18, 155.
- c19. Daniels, S.K., Corey, D.M., Fraychinaud, A., Rowell, J., DePolo, A., & Foundas, A.L. (2003). *Swallowing Lateralization: The Effects of Dual Task Interference*. Presented at the Annual Meeting of the American Academy of Neurology, Honolulu, Hawaii, USA.
- c20. Foundas, A.L., Bollich, A.M., Feldman, J., Corey, D.M., Hurley, M., & Heilman, K.M. (2003). *Atypical Planum Temporale Anatomy in Stuttering: A Relationship to Delayed Auditory Feedback*. Presented at the Annual Meeting of the American Academy of Neurology, Honolulu, Hawaii, USA.

Research

Conference Presentations

Abstracts & Posters (continued)

- c21. Foundas, A.L., Corey, D.M., Bollich, A.M., Knaus, T.A., Baucom, C.C., Lemen, L.C. (2003). *Developmental Stuttering: Anatomical And Behavioral Measures Predict Group*. Society for Neuroscience, Program No. 288.7. New Orleans, Louisiana, USA.
- c22. Knaus, T.A., Corey, D.M., Bollich, A.M., Lemen, L.C., & Foundas, A.L. (2003). *Sex Differences in Auditory Temporal Cortex*. Society for Neuroscience, Program No. 714.6. New Orleans, Louisiana, USA.
- c23. Knaus, T.A., Corey, D.M., Bollich, A.M., Lemen, L.C., & Foundas, A.L. (2003). *Sex Differences in the Anatomy of Frontal Speech-Language Areas*. Cognitive Neuroscience Society, New York, New York, USA.
- c24. Zadina, J.N., Knaus, T.A., Corey, D.M., Casbergue, R.M., Lemen, L.C., & Foundas, A.L. (2003). *A Cognitive-Anatomic Study Of Dyslexia Subtypes*. Society for Neuroscience, Program No. 196.2. New Orleans, Louisiana, USA.
- c25. Corey, D.M., Bollich, A.M., & Foundas, A.L. (2002). *Assessing Reliability in Anatomical Measurements*. Society for Neuroscience, Program No. 673.22. Orlando, Florida, USA.
- c26. Baucom, C.C., Corey, D.M., Cusick, C.G., Lemen, L.C., & Foundas, A.L. (2002). *Anatomical Asymmetries in Human Sensorimotor Cortex*. Society for Neuroscience, Program No. 673.22. Orlando, Florida, USA.
- c27. Corey, D.M., Bollich, A.M., Angeles, V., Kotrla, K.J., Langdoc, J. (2002) *Neuroanatomy in Schizophrenia: Sylvian fissure and prefrontal cortex*. Tulane University Health Sciences Center Research Days, New Orleans, Louisiana, USA.
- c28. Daniels, S.K., Corey, D.M., Damon, L., Legendre, C., Priestly, D.H., Rosenbek, J.C., & Foundas, A.L. (2002). *The Physiology of Sequential Straw drinking: A Comparison Between Young and Old*. Presented at the Dysphagia Research Society Annual Meeting Miami, FL, USA.
- c29. Corey, D.M., Feldman, J., & Foundas, A.L., (2001). *Sex, Handedness, and Persistent Developmental Stuttering: A Dual-Task Study*. Presented at the Annual Convention of the Cognitive Neuroscience Society, New York, New York, USA.
- c30. Lane, A. B., Corey, D.M., Leonard, C.M., & Foundas, A.L. (2001). *Perisylvian anatomy: Do Proportional Measures make a Difference When Evaluating Sex Effects?* Presented at the Annual Convention of the Cognitive Neuroscience Society, New York, New York, USA.
- c31. Knaus, T.A., Angeles, V.R., Corey, D.M., Kotrla, K.J., Lemen, L.C., Foundas, A.L. (2001) *Atypical Cerebral Asymmetries In Paranoid Schizophrenics*. Society for Neuroscience, Program No. 78.1. Orlando, Florida, USA.
- c32. Baucom, C.C., Corey, D.M., Lemen, L.C., Foundas, A.L. (2001). *Motor Knob Landmark: Omega (Ω) Or Epsilon (ϵ)?* Society for Neuroscience, Program No. 950.5. San Diego, CA, USA.
- c33. Corey, D.M., Bollich, A.M., Angeles, V., Kotrla, K.J., Langdoc, J. (2001). *Neuroanatomy in Schizophrenia: Sylvian fissure and Prefrontal Cortex*. Society for Neuroscience, Program No. 335.10. San Diego, CA, USA.
- c34. Foundas, A.L., Baucom, C.C., Corey, D.M., Knaus T., Heilman, K.M. (2001). *Atypical Motor Cortical Anatomy and Function in Adults With Persistent Developmental Stuttering*. Society for Neuroscience, Program No. 529.15. San Diego, CA, USA.
- c35. Foundas, A.L., Lane, A.B., Corey, D.M., Hurley, M., Heilman, K.M. (2001). *Anomalous Anatomy in Adults with Persistent Developmental Stuttering: Volumetric MRI Study of Cortical Speech-Language Areas*. Neurology, A252. Presented at the annual meeting of the American Academy of Neurology, Philadelphia, Pennsylvania, USA.
- c36. Knaus, T., Corey, D.M., Bollich, A.L., Lemen, L.C., & Foundas, A.L. (2001). *Sex Differences In Posterior Cortical Areas*. Society for Neuroscience, Program No. 82.15. San Diego, CA, USA.

Research**Conference Presentations****Abstracts & Posters** (continued)

- c37. Kotrla, K.J., Lane, A.B., Corey, D.M., Langdoc, J., Kirkham, S., Diaz, P., Johnson, J.E., Foundas, A.L. (2001). *Planum Temporale and Inferior Parietal Volumes in Paranoid Schizophrenia*. Presented at the Convention of the American Psychiatric Association Annual Meeting, New Orleans, Louisiana, USA.
- c38. Kotrla, K., Corey, D.M., Baucom, C.C., Bollich, A.L., Langdoc, J., Foundas, A.L. (2001). *A Structural and Functional MRI Study of the Motor System in Schizophrenia*. Society for Neuroscience, Prog.# 886.6. San Diego, CA, USA.
- c39. Clayton, C.A., Corey, D.M., & Foundas, A.L. (2000). *The Motor Hand Representation: Structure-Function in Right and Left Handers*. Society for Neuroscience, Program No. 560.1. New Orleans, Louisiana, USA.
- c40. Corey, D.M., Hurley, M., & Foundas, A. (2000). *Examining Asymmetry: A Multivariate Approach*. Presented at the Annual Convention of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- c41. Knaus, T.A., Corey, D.M., & Foundas, A.L. (2000). *Sex, Handedness, and Cognition: Human Corpus Callosum*. Society for Neuroscience, Program No. 750.11. New Orleans, Louisiana, USA.
- c42. Lipani, J.D., Bhattacharjee, M.B., & Corey, D.M. (2000). *HIV-Induced Nerve Growth Factor is Associated with Increased Viral Load within the CNS*. Society for Neuroscience, Program No. 792.10. New Orleans, Louisiana, USA.
- c43. Foundas, A.L., Corey, D.M., & Hurley, M.M. (2000) *Measures of Hand Preference, Hand Skill, and Familial Sinistrality in Adults with Persistent Developmental Stuttering*. Presented at the Annual Conference of the American Academy of Neurology, San Diego, CA, USA.
- c44. Corey, D.M., & Dunlap, W.P. (1997). *Fisher's z-Transformation Reduces Bias in Average Correlation*. Presented at the Convention of the American Psychological Society, Washington, D. C., USA.
- c45. Schmidt, R.C., Corey, D., Fitzpatrick, P.A., & Riley, M. (1995). *The Oscillatory Basis of Fitts' Law*. Presented at the Eighth International Conference on Perception and Action, Marseilles, France.
- c46. Lipani, J., Bhattacharjee, M., Corey, D.M., & Lee, D. (1999). *Role of Nerve Growth Factor (NGF) in the Pathophysiology of Rett Syndrome (RS)*. Society for Neuroscience, Miami, Florida, USA.
- c47. Corey, D.M., & Flynn, S.B. (1998). *Perception of Event Properties in Point-Light Displays: Is form Perception Required?* Presented at the Convention of the American Psychological Society, Washington, D.C., USA.
- c48. Corey, D. (1995). *Kinematic Specification of Geometry in Dynamic Point-Light Displays*. Presented at the Eighth International Conference on Perception and Action, Marseilles, France.

Mentoring**Ph.D. Level**

Dissertation Committee Member – See *Departmental Service* section below

Other Doctoral Advising

- 2000 – 2005 (Ph.D.) Knaus, Tracey (Neuroscience Program).
- 2000 – 2003 (Ph.D.) Baucom, Catherine (Neuroscience Program).
- 2000 – 2003 (Ph.D.) Zadina, Janet (Neuroscience Program).
- 2002 – 2006 (WD) Rouse, Jeff, M.D. (Neuroscience Program).

Service**Departmental Service****M.S. Level****Thesis Supervision**

Franke, Gordon (2011). *Delayed Auditory Feedback Impacts on Speech: Evidence for Sensory Feedback Control of Movement*.

Zepecki, John (2010). *Levene's Self-Monitoring Moderates Delayed Auditory Feedback (DAF) Effects*.

Malone, Kyle (2008). *An Investigation of the Source of Sex Differences in the Effects of Delayed Auditory Feedback (DAF) on Verbal Fluency*. (Neuroscience Program).

Kaufman, Bernice (2007). *An ERP Study of the Stroop Task and Emotional Stroop Task*.

Misok, Amy (withdrew). *Hormonal Mediation of Sex Differences in Delayed Auditory Feedback (DAF) effects*.

Thesis Committee Member – See *Departmental Service* section below

Research Assistants

Thomas, Danny (2008)

Orr, Mary (2006 – 08)

Undergraduate**Honors Thesis Supervision**

Kaufman, Carolyn (2012). *The Supramarginal Gyrus, Developmental Stuttering and DAF Effects*. Psychology.

Coggins, Chris. (2011) *Monte Carlo Methods in Psychology*. Psychology

Lauer, Jillian (2011). *Selective Auditory Attention and the Effects of Attentional Focus on Speech Fluency*. Psychology.

Leone, Kristin (2011). *The Impact of a Dual-Task Paradigm on the Speech Fluency of Adults*. Psychology

O'Brien Hahn, Avital (2011) *The Attentional Component of Delayed Auditory Feedback Effects*. Psychology.

Wan, Yingjia "Joy" (2012). *How Attention Impacts Adaptation to Delayed Auditory Feedback*. Psychology.

Fontenot, Philip (2009). *Hand Preference and Delayed Auditory Feedback Effects*. Neuroscience Program.

Gosten, Jess (2009). *Gender as a Factor Explaining Sex Differences in the Dysfluency-Inducing Effects of Delayed Auditory Feedback*. Neuroscience Program.

Mortillaro, Gino (2009). *Type I Error Rates and Power in Tests Following Significant Analysis of Variance*. Psychology.

Cuddapa, Vishnu (2006). *Sex Differences in the Disfluency-Inducing Effects of Delayed Auditory Feedback (DAF)*. Neuroscience Program.

McWilliams, Emily (2005). *Effects of Speech Rate on the Critical Interval of Delayed Auditory Feedback*. Psychology.

Research Assistants**Speech Fluency & Neuroanatomy**

Abadco, Darleen (2001 – 03)

Alexander, Roneisha (2006)

Anderson, Homer (2004 – 05)

Burgess, Julie (2006 – 07)

Chan, Ryan (2010)

Chawla, Amit (2003 – 06)

Clarke, Rebecca (2009)

Collins, KC (2004 – 2006)

Das, Samida (2006)

Ekstrom, Trevor (2003 – 04)

Mentoring and Teaching

Undergraduate

Research Assistants

Speech Fluency & Neuroanatomy (continued)

England, Christopher (06-07)

Friedman, Jaclyn (2006)

Gross, Shelby (2009)

Herlevic, Mallory (2006)

Hernandez, Ricardo (2006)

Hollingsworth, Jasmine (06-7)

Holstine, Megan (2006)

Horton, Lindsay (2006)

Huval, Renee (2008)

Jackson, Tim (2005)

Johnson, Rebecca (2005)

Jones, Rachel (2005 – 06)

Joseph, Jenna (2007)

Kern, Leslie (2005)

Khoobehi, Kaveh (2006)

Khurana, Neal (2003 – 04)

King, Hanna (2006 – 07)

Koch, Kristin (2009)

Kociubinski, Lisa (2008)

Lam, Carmen (2010)

Lauer, Jillian (2010 – 2011)

Leone, Kristin (2009 – 2011)

Levy, Grant (2003)

Malone, Kyle (2003-04)

Michaelides, Emmanuel ('10)

Michaelides, Manny (2009)

Neumann, Emily (2007)

O'Brien, Avi (2009 – 2011)

Orr, Mary (2005 – 06)

Reimann, Jeremy (2006)

Ritchie, Corrinne (2003 – 05)

Stewart, Danielle (2009)

Telio, Viviane (2008)

Thomas, Laura (2009)

Tran, Tony (2004 – 06)

Trinh, Lien (2009 – 2011)

Weiss, Anna (2010)

Zepecki, John (2006 – 07)

Quantative Methods Research

Coggins, Chris (2010-2012)

Mortillaro, Gino (207-2009)

Smith, Kim (2004)

Tran, Tony (2006-2007)

Vu, Anh-Thu (2007)

Service**Departmental Service****Administrative Committees**

2019 – present	MS Admissions Committee (formerly 4+1 Master's Admissions Committee)
2024 – 2025	Statistics Teaching Task Force
2023 – 2024	Academic Appeals Committee
2023 – 2023	Equity, Diversity, and Inclusion (EDI) Committee
2022 – 2023	Colloquium Committee
2016 – 2019	Undergraduate Studies Committee
2014 – 2016	4+1 Master's Program Admissions Committee
2003 – 2014	Undergraduate Curriculum Committee/Undergraduate Studies Committee
2008 – 2008	Colloquium Committee
2006 – 2007	Ph.D. Admissions Committee
2005 – 2006	Master's Admissions Committee
2003 – 2005	Graduate Admissions Committee
2003 – 2006	Psychological Sciences Committee
1996 – 2003	Human Research Participants Ethical Review Committee

Dissertation Committees

- Huynh, Nam (2025). *Utilizing Universal Screening and Stakeholder Voices to Develop Early Detection Systems for Adolescent Suicide Risk*. Nastasi, Psychology.
- Mossman, Brenna (2024). *Social Isolation in Caregivers of Patients with Chronic and Serious Conditions: Influence on Physical Health, Mental Health, and Healthcare Utilization*. Hoerger, Psychology.
- Vasquez-Velasquez, Miguel (2024). *Investigating the Effects of Musical Training, Meditation, and Neurofeedback on Cognitive Enhancement and Brain Plasticity*. Colombo, Psychology.
- Gutierrez, Raquel (2022). *What's Well-being? Operationalizing and Developing a Teacher Well-being Intervention During the COVID-19 Pandemic*. Nastasi, Psychology.
- Winston, Jenna (2021). *Associations Between Musical Experience and Self-Regulation: Cognitive, Emotional, and Physiological Perspectives*. Colombo, Psychology.
- Youman, Blaire (2021). *The Development of Children's Buttoning Ability: Self, Other, and Clothing Design*. Lockman, Psychology.
- Carreras, Justin (2020). *Exploring the Role of Parenting Processes in the Intergenerational Transmission of Emotion Regulation and Cognitive Regulation*.
- Lewis, Emily (2020). *Self-Generated Action and Cognitive Development: Handwriting and Numerical Development*. Lockman, Psychology.
- Fears, Nick (2019). *The Development of Handwriting in Young Children*, Lockman, Psychology.
- Ruellens, Lauren (2019). *From Babe to Bitch: Men's Reactions to Sexual Rejection in Stranger Harassment*, Molix, Psychology.
- Rious, Jennifer (2018). *African American Adolescent-Perceived Parenting Style and its Relation to Adolescent Prosocial Behavior*, Cunningham, Psychology.
- Romero McCarthy, Juan (2018). *Diffusion of Focus of Attention in the Boardroom: A Cognitive Approach on the Influence of Board Characteristics and Dynamics on Ceo Attentional Focus*. International Business, Burke.
- Shaffer, Emily (2018). *Examining the Relationship Between Group Membership and Time Perspective On Threat And Policy Support*. Molix, Psychology.
- Brachfeld Michael (2017). *The Relationship Between Teacher Well-Being and the Use of Office Discipline Referrals in an Urban Charter School*. Nastasi, Psychology.
- Brown, Jeffrey (2016). *Reconciling Discrepancies in Care-Taker Concerns about the Behavioral Health of Pre-School Children: An Application of the Tri-Factor Model*. Psychology

Service

Departmental Service

Dissertation Committees (continued)

- Rodriguez, Edgardo (2016). *Effect of Labels that Represent Rational Institutional Myths on the Legitimacy Perceived by the Organization's Stakeholders*. International Business, Burke.
- Gilbert, Patricia (2015). *The role of role models: How does identification with STEM role models impact women's implicit STEM stereotypes and STEM outcomes?* O'Brien, Psychology.
- Jung, Wendy (2015). *The Development of Orienting Object Features During Hand to Mouth Transport in Infants*. Lockman, Psychology
- Marques, Laura (2015). *Dissociation and PTSD Following Maltreatment: The Protective Effect of Caregiver Support*. Overstreet, Psychology.
- Leed, Jackleen (2014). *Canonical Body Knowledge, Perceptuo-motor Coordination, and Tactile Localization*. Lockman, Psychology.
- Al Toubi, Aamir (2013). *The Role of the Primary Motor Cortex (M1) In Pharyngeal Swallowing*. Huckabee, Communication Disorders, The University of Canterbury, Christchurch NZ.
- Cachet, Jonathan (2013). *Developing Zebrafish Models of Complex Phenotypes Relevant to Human Brain Disorders*. Kaleuff, Neuroscience Program.
- Kahrs, Bjorn (2012). *Rhythmical Stereotypies In Infancy*. Lockman, Psychology.
- Li, Qi (2012). *Chopstick Use by Chinese Children*. Lockman, Psychology.
- Sidell, Margo (2011) *A Comparison of Analyses for Two Group Small Samples with a Large Number of Measures*. Myers, Biostatistics, School of Public Health & Tropical Medicine.
- Smith, Lauren (2011) *The Effect of Auditory Masking on Speech Production*. Golob, Psychology.
- Kim, Faye (2009). *Physiological Responses in Children with Autism During Gaze Fixation*. Wilson.
- Li, Qi (2009). *Infant Object Exploration of Different Handles*. Lockman, Psychology.
- Fontenelle, Sarah (2009). *The Effect of Adult Demonstration on Chinese and American Infant Object-to-Surface Affordance Discovery*. Lockman, Psychology.
- Luis, Timmothy (2009). *Social Cognitive Mechanisms of Separation Anxiety Symptoms in Children*. Varela, Psychology.
- Ruberg, Rebecca Salvato (2008). *In or out? Predictors of Educational Attainment in American Indian Youth*. Newman, Psychology
- Weiss, Annie (2008). *Personality Development and its Role in School Performance Among American Indian Youth*. Newman, Psychology
- Mock, Jeff R. (2007). *Atypical Anatomy in Children and Adults with Persistent Developmental Stuttering*. Foundas, Neuroscience Program.
- Cohen, Jeremy (2007). *The Insula Cortex: MRI Morphometry in Humans*. Foundas; Neuroscience Program.
- Bourgeois, Kristine (2006). *Infant Manual Exploration of Objects, Surfaces, and their Interrelations*. Lockman, Psychology.
- Neal, S. Ashley (2006). *Infants' Use of Multi-Surfaced Objects With and Without Handles*. Lockman, Psychology.
- Walthall- Khawar, Alexa (2006). *Infants' Use of Handled Objects*. Lockman, Psychology.
- Zyphur, Mike (2006). *Institutional Threat and Ethical Decision Making*. Landis, Psychology.
- Efreom, Yael (2005). *Resilience and Vulnerability in the Face of Exposure to Community Violence (ECV): Exploring the Impact of Parental Monitoring and Perceptions of Safety on Mental Health Outcomes*. Overstreet, Psychology.
- Countryman, Renee (2004). *Relationships Between c-Fos and CREB in Cortical and Subcortical Brain Regions During Acquisition and Recall of Socially Transmitted Food Preferences*. Colombo, Psychology.
- Mayberry, Caroline (n/a). *Writing Your ABCs: An Eye-Tracking Study of Children's Early Letter Copying*. Lockman, Psychology.

Service

Departmental Service

Dissertation Committees (continued)

Redahan, Sara (n/a). *Early planning: Infants' Strategic Hand-To-Mouth Behaviors While Drinking*. Lockman, Psychology.

Master's Thesis Committees

West, Ashley (in progress).

Hwang, Audrey (2023). *The Object as an Extension of the Hand: Hand-to-Mouth Coordination in 2- to 6-Month-Old Infants*. Lockman, Psychology.

Yao, Giselle (2023). *Development of Chopstick Use by Chinese Children*. Lockman, Psychology.

Reese, Anabelle (2023) *The development of body knowledge in the first 18 months of life: Exploratory Self-Touch During Passive Locomotion*. Lockman, Psychology.

Patton, Katarina (2022). *Hand Selection and Vibrotactile Localization in Adults*. Lockman, Psychology.

Gaudet, Riana (2021). *Monolingual and Bilingual Children's Visual Processing of Words During Handwriting: An Eye-Tracking Study*

Gutierrez, Racquel (2020). *Predicting Behavior Problems in Schools Using the Strengths And Difficulties Questionnaire*. Nastasi, Psychology.

Ness-Lanckriet, Kyra (2020). *How Fundamental Social Motives and the Three Domain Disgust Scale Impact Use of Safe Sex Methods*. Murray, Psychology.

deBlanc, Lauren (2019). *The Development of Infant Self-Touch in the First Half-Year After Birth*. Lockman, Psychology.

Rupp, Casi (2019). *Identifying Parenting Practices Important in the Development of Oppositional Defiant Behavior in an Urban, Minority Population: A Community-Based Participatory Research Approach*. Cunningham, Psychology.

Carreras, Justin (2018). *Parental Emotion Regulation: Relations with Sensitive and Engaged Parenting and Psychological Distress*. Psychology

Brachfeld, Michael (2014). *The Relationship Between Parent's Personal Mastery, Depressive Symptoms and Children's Behavior*. Barbarin, Psychology.

Rabinow, Lily (2014). *Infants' Use of Handles to Control Spoons*. Lockman, Psychology.

Jones, Kathryn (2013). *The Role of Negative Emotions and Cultural Acceptability in Explaining Somatic Symptoms in Latino and White non-Latino Children*. Varela, Psychology.

Rappaport, Brooke (2013) *Ambivalent Sexism and Psychological Well-Being: Examining the Role of Stigma Consciousness*. Molix, Psychology.

Kathirvelu, Balachandar (2011). *Learning-Induced Changes in CREB Phosphorylation During Memory Formation: Evidence for Interaction Between the Hippocampus and Dorsal Striatum*. Colombo, Psychology.

Redahan, Sarah (2010). *Planning and Orienting Objects During Tool-Using*. Lockman, Psychology.

Creveling, Christian (2009). *Parental Control, Cognitive Schemas, and Anxiety Among Latino and White, Non-Latino Youth* (Master's Thesis equivalency project). Varela, Psychology.

Leed, Jackleen (2009). *Infant Tool Use*. Lockman, Psychology.

Li, Qi (2009). *Infant Object Exploration of Different Handles*. Lockman, Psychology.

Corprew, Charles (2008) *Personal and Social Factors Associated with Academic Outcomes in High-Achieving African American Males*. Cunningham, Psychology.

Brandt, Heather (2008). *Blurring the Signal: The Impact of Parental Distress Upon Congruence of Parent and Adolescent Reporting of Adolescent Psychopathology*. Newman, Psychology.

Hitt, Lauren (2008). *Fears in Hispanic Youth*. Varela, Psychology.

Moore, Katherine (2008). *Moderators in the Relationship between Exposure to Hurricane Katrina and Long-term Posttraumatic Stress Symptoms*. Varela, Psychology.

Service**Departmental Service****Master's Thesis Committees (continued)**

- Kahrs, Björn Alexander (2008). *Trial Based Learning of a Manual Task*. Lockman, Psychology.
- DeGeorge, Pamela (2005). Foundas, Neuroscience Program.
- Molina, Yamile (2005). *Copulatory plugs in the cobweb spider nesticodes rufipes*. Christenson, Psychology.
- Belay, Sophia (2004). *The Function of Protective Factors in Urban African American Adolescent Females*. Cunningham, Psychology.
- Franklin, Michael (2003). *Dissociation of automatic and controlled processes in backward priming*. Dien, Psychology.

Honors Thesis Committees

- Makl, Sarah (in progress). *TBD*. Molix, Psychology.
- Muna, Gabrielle (Gem) (in progress). *TBD*. Molix, Psychology.
- Patton, Katarina (2021). *Effects of Vibrotactile Localization on Mirror Self-Recognition*. Lockman, Psychology.
- Rogers, Jim (2020). *Delay of Gratification in Cancer Health*. Hoerger, Psychology.
- Devries, Brittany (2014). *Hand-to-Mouth Coordination: A Comparison of Late Preterm & Full Term Infants*. Lockman, Psychology.
- Mahler-Haug, Olivia (2014). *Moderating Effect of Parental Modeling on the Development of Physical Symptoms of Panic in Clinically Anxious Youth*. Varela, Psychology.
- Mosteller Lierle (2014). *Mood & Decision-Making: An Investigation of Framing Effects, Heuristics, & Moral Dilemmas*. Christenson, Psychology.
- Paul, Margot (2014). *Family History of an Autism Spectrum Disorder (ASD), Neonatal Risk, and Parental Age in Predicting ASD Diagnosis*. Varela, Psychology.
- Sauvigne, Katheryn (2014). *Genetic Vulnerability, Temperament, and Language Delay as Risk Factors for Autism Spectrum Disorders*. Varela, Psychology.
- Koch, Kristen (2012) *Stereotype threat and performance: The influence of efficacy*. Molix, Psychology.
- Vizza, Carmela (2008). *Sperm Priority in Nesticodes rufipes*. Christenson, Psychology.
- Biles, Melissa (2006). *Kinematics of Hammering with the Nonpreferred Hand: Task Specificity*. Lockman, Psychology.
- Cuddapah, Vishnu (2006). *Traditional Indian Aesthetics in Paintings Emerging From British-Colonized India*. Art History.
- Colica, Jamie (date and title unknown). Varela, Psychology.

University (Newcomb-Tulane College) Committees

- 2023 – present Committee on Oversight of Academic Integrity
- 2009 – 2023 Honor Board

School of Science and Engineering Committees

- 2016 – present Grand Challenges Scholars Program Steering Committee
- 2017 – 2018 Health Professions Committee
- 2008 – 2010 Graduate Committee

Teaching

Courses Taught

Level	Course ID	Course Name	Format	Enrolled ¹	Cr.	Semesters Taught ²
Graduate	PSYC-6090	<i>Psychology Applications of Univariate Statistics I</i>	lecture & lab	15 - 25	3	'04 (s/f), '05 (s), '06 (s/f), '08-present (f)
	PSYC-6110	<i>Psychology Applications of Univariate Statistics II</i>	lecture	9 - 25	3	'04-'07, '09-present (s)
	PSYC-6130	<i>Multivariate Statistics</i>	lecture	3 - 25	3	'03-'04 (f), '06-'07 (s), '08-'12 (f), '13-'15 (s), '15-'19 (f), '21-present (f)
	PSYC-6812	<i>Intro Data Analysis in R</i>	lecture	11	3	'22 (s)
Graduate (Business)	International Business	<i>Graduate Introduction to Applied Statistics</i>	lecture	12	3	'06 (su)
	OBHR-7930	<i>Studies in Organizational Behavior</i>	lecture	7	3	'08 (su)
Graduate Business	PSYC-6090	<i>Appl. of Univariate Statistics in Management</i>	lecture & lab.	12	4	'11 (f)
Graduate/Under-graduate	PSYC-6100	<i>Research Methods and Data Analysis in Behavioral Health</i>	seminar	4 - 10	3	'13-'17 (f)
Under-graduate	PSYC-3090 (212/209/309)	<i>Psychology Applications of Univariate Statistics I</i>	lecture & lab	100 - 135	4	'04-'12 (s/f), '13-present (s/su/f)
	PSYC-4090 (3800)	<i>Psychology Applications of Univariate Statistics II</i>	seminar	8	3	'18-'20 (s), '23, '26 (s)
	PSYC-3130	<i>Experimental Psychology</i>	lecture & lab	20 - 40	4	'02 (f), '03 (s), '06 (su), '06 (ln)
	PSYC-3801	<i>Psychology of Speech and Language</i>	seminar	10	3	'12 (s)
	PSYC-1000	<i>Introductory Psychology</i>	lecture	100 - 150	3	several sections in the 1990s

¹ approximate

² s = spring, su = summer, f = fall, ln = lagniappe (makeup for semester lost following Hurricane Katrina)

Independent Study Courses Recently Supervised

2024, Spring Koffler, Carson. *Monte Carlo Research in R*, PSYC 4930.

2022, Spring Reese, Anabelle. *Monte Carlo Studies in R*, PSYC 6610-06.