

Emily C. Marcinowski, PhD

Curriculum Vita

Department of Kinesiology
School of Kinesiology
Louisiana State University

Email: emilym@lsu.edu

Office Phone: (225)578-5960

2212 Huey P Long Field House
Baton Rouge, LA 70802

ORCID: <http://orcid.org/0000-0003-2010-3827>

Academic Appointments

2019-present **Assistant Professor**
Kinesiology, Louisiana State University

Research Interests

- The interaction between motor, cognitive and language development across early childhood in children with typical or atypical development, particularly postural control, handedness, and manipulative play.
- The role of parent behaviors in changing infant motor, cognitive, and language development
- Finding unique ways to analyze and understand development, such as analyzing developmental phenomena and discovering new ways to describe temporal change besides age.

Keywords: Developmental psychobiology, developmental science, laterality, handedness, gross and fine motor development, cognition, language, exploratory behaviors, object construction and means end understanding, sensorimotor, embodied cognition, longitudinal data analysis, multilevel modeling, data analysis for non-normal distributions (particularly, Poisson), group-based trajectory modeling

Education

Sept, 2015-Jul, 2019 **Postdoctoral Fellowship, Virginia Commonwealth University**
Postdoctoral fellow for the START-Play Research program. Investigating a) the development of motor, cognition and language for infants with motor delays and typical development, and b) a physical therapy centered on improving these skills for infants with motor delays. (Mentor: Stacey Dusing)

Dec, 2015 **Doctor of Philosophy (PhD), Developmental Psychology**
Psychology Department, The University of North Carolina at Greensboro
Dissertation title: *How Does Handedness Affect the Development of Construction Skill from 10-24 months?* (Mentor: George F. Michel)

Dec, 2013 **Master of Arts (MA), Developmental Psychology**
Psychology Department, The University of North Carolina at Greensboro
Thesis title: *The Influence of Sex and Handedness on the Development of Constructing Skills During Infancy* (Mentor: George F. Michel)

May, 2008 **Bachelor of Arts (BA), Psychology**
Psychology Department, The University of North Carolina at Greensboro

Grants

Pending Review

2023 Principal Investigator, Research (\$109,838.35)
 PI: Emily Marcinowski
Title: Does normobaric oxygen administered during active play improve motor learning in young infants?

Funded

- 2017-2018 Principal Investigator, Postdoctoral Career Development Fund. (\$5,000)
 PI: Emily Marcinowski
Title: How does parent-child interaction affect the development of object construction during infancy?
- 2016-2019 Statistical consult, American Physical Therapy Association, Academy of Pediatric Physical Therapy Mentored Research grant (\$9,973.95)
 PI: Christina Withers
Title: “Does participating in a supervised fitness program extend the benefits of episodic physical therapy more than a home exercise program for adults with cerebral palsy?”
- 2016-2017 Co-Principal Investigator, Children’s Hospital Foundation Research Fund (\$7,500)
 Co-PIs: Stacey Dusing, Emily Marcinowski
Title: “Relationship between motor, cognitive and language skills in typically developing infants: An extension of the START-Play clinical trial”
- 2015-2019 Postdoctoral Fellow, Institute of Education Science (\$3,432,183)
 Co-PIs: Regina Harbourne, Stacey Dusing, Regina, Michele Lobo, Sarah Westcott-McCoy, James Bovaird, James C Galloway
Title: Efficacy of the START-Play Program for Infants with Neuromotor Disorders.
 Clinical registry #: NCT02593825

Not Funded

- 2022 Principal Investigator, Gerber Foundation Grant (\$85,000)
 PI: Emily Marcinowski
Title: Parental Beliefs and Infant Developmental Outcomes in a Multicultural Sample: A Descriptive Study
- 2019 Grant Writer and sITCAT co-Designer, Institute for Education Sciences (\$1,399,997)
 PI: Natalie Koziol, Stacey Dusing, Michele Lobo, Iryna Babik, Sarah Westcott-McCoy, Regina Harbourne, James Bovaird
Title: Assessing Cognitive Skills in Young Children with Neuromotor Disabilities: Development of the Short Infant and Toddler Cognitive Assessment Tool (sITCAT).
- 2018 Principal Investigator, National Science Foundation (\$325,710)
 PI: Emily Marcinowski, Stacey Dusing
Title: The role of object construction and parent scaffolding on the development of spatial skills and language.
- 2019-2022 Postdoctoral Fellowship, Jacobs Foundation Research Fellowship Program (\$151,853)
 Fellow: Emily Marcinowski

- 2015 Co-Principal Investigator, Innovational Research Incentives Scheme (Veni) (\$287,276)
Co-PI: Ralf Cox, Emily Marcinowski
Title: “How does object exploration facilitate the development of construction ability during infancy?”

Research & Professional Experience

- Aug, 2017 **Analytic Training, START-Play Research Program.**
Trainee. Received 1 week of specialized training on power analyses and statistics related to writing and managing grants from the quantitative consults of the START-Play Program. (Mentors: James Bovaird and Natalie Koziol, University of Nebraska-Lincoln)
- 2008-2015 **Michel Research Lab, University of North Carolina at Greensboro**
Graduate student and Research Associate. Investigated how manual asymmetries and motor skills affect the development of cognition and language from infancy to 5 years. (Mentor: George Michel)
- Developmental Psychobiology, Greensboro, North Carolina**
2008-2014 Assistant to the Editor of the scientific journal, *Developmental Psychobiology*.
- Wahlsten Research Lab, University of North Carolina at Greensboro**
2008-2009 Research Assistant. Assisted on a project on the role of genetics on the structure of the corpus callosum in rodents.
- White Research Lab, University of North Carolina at Greensboro**
2008-2010 Research Assistant. Assisted on a longitudinal project on the relation between personality, gender role attitudes, and sexual coercion. (Mentor: Jacquelyn White)
- Nelson-Gray Research Lab, University of North Carolina at Greensboro**
2007-2010 Research Assistant. Ran multiple studies on childhood factors of Borderline Personality Disorder, the relation of personality factors and cognitive bias to social anxiety (Mentor: Rosemary Nelson-Gray)

Teaching Experience

- 2019-present **Assistant Professor**, Department of Kinesiology, Louisiana State University
Primary Instructor for undergraduate and graduate lecture courses (Motor Development)
- Fall, 2018 **Adjunct Professor**, Department of Psychology, University of Richmond
Primary Instructor for 2 undergraduate lecture and lab sections, assisted with creation of course materials for UR (Research Methods & Statistics)
- 2015-present **Research Mentor**, Virginia Commonwealth University, University of North Carolina Greensboro, Florida International University, and Louisiana State University
Mentor for undergraduate and graduate students in infant development labs (35 students) in person and remotely for research experience course or career advancement
- February, 2016 **Guest lecturer**, Virginia Commonwealth University
Guest speaker on “Infant Motor Development” for an Infant Development course

2014-2015 **Lecturer and Teaching Assistant**, University of North Carolina, Greensboro
 Research Methods and Statistics. (Mentor: Pamela Ladrow, Thanujeni Pathman)

Peer-Reviewed Research Articles

Published

Contino, K. Campbell, J. M., **Marcinowski, E. C.**, Michel, G. F., Ramos, M., Coxe, S., Hayes, T., & Nelson, E. Hand preference trajectories as predictors of language outcomes above and beyond SES: Infant patterns explain more variance than toddler patterns at 5 years of age. *Infant and Child Development: Prenatal, childhood, adolescence, emerging adulthood*. [In Press]

Kretch, K. S., Koziol, N. A., **Marcinowski, E. C.**, Hsu, L.-Y., Bovaird, J. A., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Willett, S. L., & Dusing, S. C. (2023). Relations between sitting capacity and performance differ between typically developing infants and infants with motor delay. *Physical & Occupational Therapy In Pediatrics*. [In Press]

Marcinowski, E. C., Nelson, E. C., Campbell, J. M., & Michel, G. F. (2023). Early, concurrent, and consistent hand preferences predict stacking in toddlerhood. *Developmental Psychobiology*, 65(5), e22397.

Vingerhoets, G., Verhelst, H., Gerrits, R., Badcock, N., Bishop, D.V.M., Carey, D., ... & LICI consortium, including **E. C. Marcinowski**. (2023). Laterality indices consensus initiative (LICI): A Delphi expert survey report on recommendations to record, assess, and report asymmetry in human behavioural and brain research. *Laterality*, 28(2-3), 122-191.

Kretch, K. S., **Marcinowski, E. C.**, Hsu, L.-Y., Koziol, N. A., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Bovaird, J. A., & Dusing, S. C. (2022). Opportunities for learning and social interaction in infant sitting: Effects of sitting status, sitting skill, and gross motor delay. *Developmental Science*, 26(3), e13318.

An, M., **Marcinowski, E. C.**, Hsu, L.-Y., Lobo, M. A., Willett, S., Bovaird, J., Dusing, S. C., Jancart, K., Stankus, J., Harbourne, R. T., McCoy, S. (2022). Object permanence and the relationship to sitting development in infants with motor delays during infancy. *Pediatric Physical Therapy*, 34(3), 309-316.

Willett, S., Cunha, A., Lobo, M. A., Harbourne, R. T., Dusing, S. C., McCoy, S. W., Koziol, N. A., Hsu, L.-Y., **Marcinowski, E. C.**, Babik, I., An, M., & Bovaird, J. A. (2022). The impact of early life seizures on cognitive and motor development: A case series. *Pediatric Physical Therapy*, 34(3), 425-431.

Kretch, K. S., Koziol, N. A., **Marcinowski, E. C.**, Kane, A. E., Inamdar, K., Brown, E. D., Bovaird, J. A., Harbourne, R. T., Hsu, L.-Y., Lobo, M. A., & Dusing, S. C. (2022). Infant posture and caregiver-provided cognitive opportunities in typically-developing infants and infants with motor delay. *Developmental Psychobiology*, 64(1), 1-17.

Molinini, R. M., Koziol, **Marcinowski, E. C.**, Tripathi, T., Hsu, L.-Y., Harbourne, R. T., Lobo, M. A., McCoy, S. W., Bovaird, J., & Dusing, S. C. (2021). Early motor skills predict the developmental trajectory of problem solving skills in young children with motor impairments. *Developmental Psychobiology*, 63(6), 22121.

Harbourne, R. T., Dusing, S. C., Lobo, M. A., McCoy, S. W., Koziol, N. A., Hsu, L.-Y., Willett, S., **Marcinowski, E. C.**, Babik, I., Cunha, A. B., An, M., Chang, H.-J., Bovaird, J. A., Sheridan S. M. (2020). START-Play physical therapy intervention impacts motor and cognitive outcomes in infants with neuromotor disorders: A multisite randomized clinical trial. *Physical Therapy*, 101(2), 1-11.

☀ *Winner of the APTA Chattanooga Research Award, 2022*

Gonzalez, S. L., Campbell, J. M., **Marcinowski, E. C.**, Michel, G. F., Coxe, S., & Nelson, E. L. (2020). Preschool language ability is predicted by toddler hand preference trajectories. *Developmental Psychology*, 56(4), 699-709.

- Marcinowski, E. C.,** Tripathi, T., Hsu, L.-Y., McCoy, S. W., & Dusing, S. C. (2019). Sitting skill and the emergence of arms-free sitting affects the frequency of object looking and exploration. *Developmental Psychobiology, 61* (7), 1035-47.
- Dusing, S. C., Harbourne, R. T., Lobo, M. A., Westcott-McCoy, S., Bovaird, J., Kane, A. E., Syed, G., **Marcinowski, E. C.,** Koziol, N., Brown, S. E. (2019). A physical therapy intervention to advance cognitive skills a young child with cerebral palsy: A single subject with severe motor impairments. *Pediatric Physical Therapy, 31*(4), 347-352.
- Marcinowski, E. C.,** Nelson, E. L., Campbell, J. M., & Michel, G. F. (2019). The development of object construction from infancy through toddlerhood. *Infancy, 24*(3), 368-391.
- Dusing, S. C., **Marcinowski, E. C.,** Tripathi, T., Rocha, A., & Brown, S. (2018). A perspective on the importance of assessing parent-child interaction in rehabilitation using high or low tech methods. *Physical Therapy Journal, 99*(6), 658-665.
- Harbourne, R. T., Dusing, S. C., Lobo, M. A., McCoy, S. W., Bovaird, J., Sheridan, S., Galloway, J. C., Chang, H.-J., Hsu, L.-Y., Koziol, N., **Marcinowski, E. C.,** & Babik, I. (2018). Sitting Together and Reaching to Play (START-Play): Protocol for a multisite randomized controlled efficacy trial on intervention for infants with neuromotor disorders. *Physical Therapy, 76*(1), 1-31.
- Dusing, S. C., Tripathi, T., **Marcinowski, E. C.,** Thacker, L., Brown, L., & Hendricks-Munoz, K. (2018). Supporting Play Exploration and Early Developmental Intervention versus usual care to enhance developmental outcomes during the transition from the Neonatal Intensive Care Unit to home: A pilot randomized controlled trial. *BMC Pediatrics, 18*(46), 1-12.
- Campbell, J. M., **Marcinowski, E. C.,** & Michel, G. F. (2018). The Development of Neuromotor Skills and Hand Preference During Infancy. *Developmental Psychobiology, 60*(2), 165-175.
- Nelson, E. L., Gonzalez, S., 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.
- Marcinowski, E. C.,** & Campbell, J. M. (2017). Building on what you have learned: Constructing skill during infancy influences the development of spatial relation words. *International Journal of Behavioral Development, 41*(3), 341-349. doi:10.1177/0165025416635283
- Marcinowski, E. C.,** Campbell, J. M., Faldowski, R. A., & Michel, G. F. (2016). Do hand preferences predict stacking skill during infancy? *Developmental Psychobiology, 58*(8), 958-967.
- 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. <http://dx.doi.org/10.3389/fpsyg.2016.00410>
- Campbell, J. M., **Marcinowski, E. C.,** Babik, I., & Michel, G. F. (2015). The influence of a hand preference for acquiring objects on the development of a hand preference for unimanual manipulation from 6 to 14 months. *Infant Behavior and Development, 39*, 107-117.
- Campbell, J. M., **Marcinowski, E. C.,** Latta, J. A., & Michel, G. F. (2015). Different assessment tasks produce different estimates of handedness stability during the 8 to 14 month age period. *Infant Behavior and Development, 39*, 67-80.

Harshaw, C., **Marcinowski, E. C.**, & Campbell, J. M. (2014). Communicating Developmental Psychobiology to the Masses: Why Psychobiologists Should Contribute to Wikipedia. *Developmental Psychobiology*, 56 (7), 1439-1441.

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(6), 608-20.

Peer-Reviewed Book Chapters

Under Review

Michel, G.F., Babik, I., Nelson, E.L., Ferre, Cl., Campbell, J.M., & **Marcinowski, E.C.** (2023). Development of handedness and other lateralized functions during infancy and early childhood. Contribution for the book *Cerebral Asymmetries in honor of Michael Corballis*. [*Under Review*]

Published

Michel, G. F., Babik, I., Nelson, E. L., Campbell, J. M., & **Marcinowski, E. C.** (2018). Evolution and Development of Handedness: An Evo-Devo Approach. In *G. Forrester, W. D. Hopkins, K. Hudry, & A. K. Lindell* (Eds.), *Cerebral Lateralization and Cognition: Evolutionary and Developmental Investigations of Motor Biases*. Elsevier Inc.: Academic Press. 347-374.

Michel, G. F., **Marcinowski, E. C.**, Babik, I., Nelson, E. L., & Campbell, J. M. (2015). An Interdisciplinary Biopsychosocial Perspective on Infant Development. In *S. Calkins* (Ed.) *Handbook of Infant Development: A Biopsychosocial Perspective*, 427-446.

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*. Elsevier Inc.: Academic Press, 227-260.

Oral Presentations

Peer-Reviewed

†Kretch, K. S., Koziol, N. A., Choi, D., **Marcinowski, E. C.**, Hsu, L.-Y., Harbourne, R. T., Lobo, M. A., McCoy, S., Willett, S. L., Bovaird, J. A., & Dusing, S. C. (2022). Sitting capacity in typically developing infants and infants with motor delay. Paper presented at the American Academy for Cerebral Palsy & Development Medicine 76th Annual Meeting, Las Vegas, NV, September 21-24, 2022.

†**Marcinowski, E. C.**, Nelson, E. L., Campbell, J. M., & Lockman, J. (2022). Cascades of Manual Exploration onto Language Outcomes. Symposium presented at the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

☼ Symposium Chair of a symposium for the conference theme, "Developmental Cascades."

†Babik, I., Nelson, E. L., Campbell, J. M., **Marcinowski, E. C.**, & Michel, G. F. (2022). The Relation between Tool Use and Language Skills during Infancy. Paper presented at the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

†Molinini, R. M., Stuyvenburg, C. L., **Marcinowski, E. C.**, Harbourne, R., McCoy, S. W., Lobo, M. A., & Dusing, S. C. (2021). The impact of age, motor ability, and learning to walk on Emotional Availability in children of different ages and motor abilities. Paper presented at the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

†Kretch, K. S., Soliman, M., Wazana, S., Henigan, A., Garcia, B., **Marcinowski, E. C.**, Hsu, L.-Y., Bovaird, J. A., Harbourne, R. T., Koziol, N. A., Lobo, M. A., McCoy, S. W., & Dusing, S. C. (2021). Prerequisites to joint attention: Role of sitting status, sitting skill, and motor delay. Symposium presented at the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

☼ Submitted with the symposium entitled, "Atypical Developmental Cascades: Opportunities for Learning and Social Interaction in Infants with Motor Delays" for the conference theme, "Developmental Cascades."

†**Marcinowski, E. C.**, Hsu, L.-Y., Molinini, R. M., Dusing, S. C., McCoy, S. W., Harbourne, R. T., Lobo, M. A., Koziol, K., Bovaird, J., & START-Play Consortium (2021). How do sitting and object exploration impact language in infants with typical or delayed motor development? Presented to the Asia-Pacific Babylab Constellation Conference 2021, Hong Kong SAR, China, December 4-6, 2021.

†**Marcinowski, E. C.**, Hsu, L.-Y., Dusing, S. C., Bovaird, J., Harbourne, R. T., Lobo, M. A., Westcott McCoy, S., Koziol, N., & START-Play Consortium (2019). Sit long, talk much. Language, general motor ability, and independent sitting for infants with motor delays. Presented at the Workshop on Early Language in Neurodevelopmental Disorders, Lisbon, Portugal, November 8, 2019.

†Harbourne, R. T., Dusing, S. C., Lobo, M. A., McCoy, S. W., Koziol, N. A., Hsu, L.-Y., Willett, S., **Marcinowski, E. C.**, Babik, I., Cunha, A. B., An, M., Chang, H.-J., Bovaird, J. A., & Sheridan, S. (2019). Efficacy of the START-Play Program for Infants with Neuromotor Disorders: Cognitive outcomes. Presented at the American Academy for Cerebral Palsy and Developmental Medicine 73rd Conference, Anaheim, CA, September 18-21, 2019. ☼ Winner of the Gayle G. Arnold Award from the American Academy for Cerebral Palsy and Developmental Medicine.

†Lobo, M. A., Harbourne, R. T., Dusing, S. C., Westcott-McCoy, S., Cunha, A. B., Babik, I., Hsu, L.-Y., Koziol, N., Bovaird, J., **Marcinowski, E. C.**, Change, H.-J., An, M., & Sheridan, S. (2019). Efficacy of the START-Play Program for Infants with Neuromotor Disorders: Motor outcomes. Presented at the 73rd Conference of the American Academy for Cerebral Palsy and Developmental Medicine, Anaheim, CA, September 18-21, 2019.

†Kane, A. E., **Marcinowski, E. C.**, Hsu, L.-Y., Koziol, N., & Dusing, S. C. (2019). Parent-provided cognitive opportunities for children with motor impairments. Presented at the Annual Conference for the American Occupational Therapy Association, New Orleans, LA, April 4-7, 2019.

†‡Greenberg, K. S., Kane, A. E., **Marcinowski, E. C.**, & Dusing, S. C. (2019). The impact of parent directed movement on infant positions and transitions during a parent-infant free play session. Presentation given at the Combined Sections Meeting of the American Physical Therapy Association, Washington D. C., January 23-26, 2019.

†Tripathi, T., Syed, G., **Marcinowski, E. C.**, Hsu, L.-Y., Koziol, N., & Dusing, S. C. (2018). Sitting abilities predict early problem solving skills in infants with motor delays." Platform presentation given as a part of a peer-reviewed platform presentation at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA, February 21-24, 2018.

†Dusing, S. C., †Tripathi, T., †**Marcinowski, E. C.**, & †Brown, S. (2017). “Measurement of parent-child interactions in Infants with Motor Delays.” Presentation given as part of a peer-reviewed symposium entitled “Parent-Child Interaction: A Key Component of Development and Therapy for Infants” at the Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX, February 15-18, 2017.

†**Marcinowski, E. C.**, Tripathi, T., ‡Parson, H., & Dusing, S. C. (2017). Parent-child interaction and the Supporting Play Exploration and Early Development Intervention (SPEEDI) improve infant cognition. Presented at the Combined Sections Meeting, San Antonio, TX, February 15-18, 2017.

†**Marcinowski, E. C.**, Campbell, J. M., & Michel, G. F. (2015). “Does infant handedness trajectory affect stacking ability?” Presented as a part of a peer-reviewed paper submission at the 48th Annual Meeting for Developmental Psychobiology, San Sebastian, Spain, July 20-23, 2015.

†Campbell, J. M., **Marcinowski, E. C.**, & Michel, G. F. (2015). “The Concatenation of Acquisition Hand Preference to Unimanual Manipulation Hand Preference.” Presented as a part of a peer-reviewed paper submission at the 48th Annual Meeting for Developmental Psychobiology, San Sebastian, Spain, July 20-23, 2015.

†Faldowski, R. A., Michel, G. F., Babik, I., Campbell, J. M., & **Marcinowski, E. C.** (2015). “Longitudinal Models for the Early Development of Hand Preferences” Presented as a part of a peer-reviewed paper submission at the Modern Modeling Methods Conference, Storrs, Connecticut, May 19-23, 2015.

†**Marcinowski, E. C.** (2014). The effect of handedness on constructing ability from infancy to toddlerhood. Presentation given as part of a peer-reviewed symposium entitled *Cascading Handedness Development During Infancy* at the 2014 XIX Biennial International Conference on Infant Studies, Berlin, Germany, July 3-5, 2014.

Not Peer-Reviewed

†**Marcinowski, E. C.** (2022). Sitting changes everything. How does sitting impact object exploration and language in infants with delayed motor development? Presented at the Quantitative Professional Seminar (PRO SEM) in Psychology at Illinois State University (virtual), February 8, 2022. [invited]

†**Marcinowski, E. C.** (2021). Sit long, talk much: How do sitting and object exploration impact language in infants with typical or delayed motor development. Presented at the Robert E. Flowerree III Psychology Colloquium Series at Tulane University (virtual), April 2, 2021. [invited]

†**Marcinowski, E. C.** (2019). The role of motor development in the development of cognition and language. Presented at the Applied Developmental Program’s Spring 2019 Colloquia Series at George Mason University, April 10, 2019. [invited]

†**Marcinowski, E. C.** (2016). “How might parent-infant interactions shape motor and cognitive development in infants after the NICU?” Presented at the 2016 Evelyn Reed Symposium on Early Childhood Research and Practice, Richmond, VA, June 11, 2016.

†**Marcinowski, E. C.** (2014). “Who cares about handedness?” Presented at the Three Minute Thesis Competition held at the University of North Carolina at Greensboro, November 6, 2014.

‡ indicates a student-mentored project

† indicates speaker

Oral Presentations list was culled to the last 9 years. 4 presentations are not listed.

Poster Presentations

Peer-Reviewed

†Contino, K., Campbell, J. M., **Marcinowski, E. C.**, Michel, G. F., Coxe, S., Hayes, T., & Nelson, E. L. (2022). Manipulation complexity from 9 to 14 months predicts language at 2, 3, and 5 years. Poster accepted to the International Society for Developmental Psychobiology, Chicago, IL, November 9-11, 2022.

†‡Mora, E. G., Laurent, J., Van Gemmert, A. W. A., & **Marcinowski, E. C.** (2022). Impact of socioeconomic status on grasping and holding in early infancy. Poster presented to the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

Marcinowski, E. C., Laurent, J. L., & Dusing, S. C. (2022). Object storage skills relate to language development. Poster presented to the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

†Contino, K., Campbell, J. M., **Marcinowski, E. C.**, Michel, G. F., & Nelson, E. L. (2022). Does manipulation complexity from 9 to 14 months predict language ability at 36 months? Poster presented to the International Conference on Infant Studies Biannual Conference, Ottawa, Canada, July 8-10, 2022.

†‡Mora, E. G., Van Gemmert, A. W. A., & **Marcinowski, E. C.** (2021). The effect of socioeconomic status on grasping duration across development. Presented at the 2021 International Society for Developmental Psychobiology Annual Conference, Chicago, IL, November 10-12, 2021.

†Contino, K., Campbell, J. M., **Marcinowski, E. C.**, Michel, G. F., & Nelson, E. L. (2021). Latent profiles of infant hand preference as predictors of later language outcomes. Presented at the 2021 International Society for Developmental Psychobiology Annual Conference, Chicago, IL, November 10-12, 2021.

†‡Laurent, J., Dusing, S. C., & **Marcinowski, E. C.** (2021). How object management strategies and skills increase over infant growth. Presented at the 2021 North American Association for the Psychology of Sport and Physical Activity, Virtual, June 11-12, 2021.

†Kretch, K. S., **Marcinowski, E. C.**, Kane, A. E., Bovaird, J. A., Harbourne, R. T., Hsu, L.-Y., Koziol, N. A., Lobo, M. A., Westcott-McCoy, S., & Dusing, S. C. (2021). Posture and caregiver-provided learning opportunities in typically developing infants and infants with motor delay. Presented at the 2021 American Academy for Cerebral Palsy and Developmental Medicine 75th Annual Meeting, October 6-9, 2021.

†**Marcinowski, E. C.**, Nelson, E. L., Campbell, J. M., & Michel, G. F. (2020). Infant and toddler hand preferences predict differential stacking ability in toddlerhood. Presented at the 2020 Virtual International Congress of Infant Studies, July 6-9, 2020.

Storer, D., Caffey, S., Schejbal, B., Campbell, J., & **Marcinowski, E. C.** (2020). Mother's hand preference during Dyadic Play Experience with Infants. Poster to be presented at the 92nd Annual Meeting of the CogSci, Toronto, Canada, July 29-August 1, 2020.

†Molinini, R. M., Kane, A., **Marcinowski, E. C.**, Koziol, N. K., Dusing, S. C. (2020). Parent sensitive play predicts the development of problem-solving skills in young children with motor impairments. Presented at the 2020 Virtual International Congress of Infant Studies, July 6-9, 2020.

Withers, C., Dusing, S. C., **Marcinowski, E. C.**, Chandler, B. (2020). Does participating in a supervised fitness program extend the benefits of episodic physical therapy more than a home exercise program for

adults with cerebral palsy. A pilot study. To be presented at the Combined Sections Meeting, Denver, CO, February 12-15, 2020.

Marcinowski, E. C., Hsu, L.-Y., Westcott-McCoy, S., Dusing, S. C. (2018). Sitting skill relates to babbling during infancy. Presented at the Infant Conference for Infant Studies, Philadelphia, PA, June 29-July 3, 2018.

Marcinowski, E. C., Pattanakul, D., Campbell, J., & Dusing, S. C. (2018). Arms-free sitters perform more bimanual object combination than prop sitters. Poster presented at the annual meeting of the International Society for Developmental Psychobiology, San Diego, October 31-November 2, 2021.

An, M., Harbourne, R., Stankus, J., Hsu, L.-Y., **Marcinowski, E. C.,** & Dusing, S. (2018). A comparison of object permanence progression during sitting development in infants with typical development and infants with motor delay. Presented at the American Academy for Cerebral Palsy and Developmental Medicine Annual Conference, Cincinnati, OH, October 9-13, 2018.

Tripathi, T., ‡Syed, G., **Marcinowski, E. C.,** Hsu, L.-Y., Koziol, N., & Dusing, S. C. (2017). Sitting abilities predict early problem solving skills in infants with motor delays. Presented at the Combined Sections Meeting for Physical Therapy, New Orleans, LA, February 21-24, 2017.

Marcinowski, E. C., Tripathi, T., Stankus, J., Chang, H.-J., Harbourne, R., & Dusing, S. C. (2017). Changes in sitting control affect toy exploration during infancy. Presented at the 50th Annual Meeting for the International Society for Developmental Psychobiology, Washington, D.C., November 8-10, 2017.

‡Syed, G., Tripathi, T., **Marcinowski, E. C.,** Hsu, L.-Y., Koziol, N., & Dusing, S. C. (2017). The impact of increasing sitting ability and age in development early problem solving skills. Presented at the 50th Annual Meeting for the International Society for Developmental Psychobiology, Washington D. C., November 8-10, 2017.

‡Whiting, C., **Marcinowski, E. C.,** & Dusing, S. C. (2017). Parents provide similar play opportunities to infants with and without motor delays while learning to sit. Presented at the annual Virginia Physical Therapy Association's Conference, October 7-8, 2017. ☼ Winner of the VPTA best student research poster award

Harbourne, R., Dusing, S. C., Chang, I., Lobo, M., Westcott McCoy, S., Bovaird, J., Sheridan, S., Koziol, N., **Marcinowski, E. C.,** Hsu, L.-Y., Babik, I., & Cuhna, A. B. (2016). Intervention fidelity in the randomized controlled trial "Efficacy of The START-Play Program for Infants with Neuromotor Disorders". Presented at the Institute of Education Sciences Conference, Washington, DC, December 15-16, 2016.

Marcinowski, E. C., Campbell, J. M., & Michel, G. F. (2016). Bimanual acquisitions differ according to infant hand preference group. Presented at the 49th Annual Meeting for the International Society for Developmental Psychobiology, San Diego, CA, November 9-11, 2016.

Campbell, J. M., **Marcinowski, E. C.,** & Michel, G. F. (2016). An investigation of the relation between neuromotor milestones and hand preference using principal components analysis. Presented at the 49th annual International Society for Developmental Psychobiology, San Diego, CA, November 9-11, 2016.

Gonzalez, S. L., Nelson, E. L., ‡Latta, J., Campbell, J. M., **Marcinowski, E. C.,** & Michel, G. F. (2016). Consistent preschool hand preference predicts language skills at 5 years of age. Presented at the 49th annual International Society for Developmental Psychobiology, San Diego, CA, November 9-11, 2016.

‡Owens, A., ‡Tripathi, T., **Marcinowski, E. C.**, Dusing, S. C. (2016). Effects of the Supporting Play Exploration and Early Development Intervention (SPEEDI) on active exploration in infants born very preterm or with brain injury. Presented at the Virginia Physical Therapy Association Annual Conference, Chantilly, VA, October 7-9, 2016.

‡Syed, G., ‡Parson, H., **Marcinowski, E. C.**, Dusing, S. C. (2016). Does the Supporting Play Exploration and Early Development Intervention (SPEEDI) change how parents engage their infant? Presented at the Virginia Physical Therapy Association Annual Conference, Chantilly, VA, October 7-9, 2016.

Campbell, J. M., ‡Kouchecki, A., **Marcinowski, E. C.**, & Michel, G. F. (2016). Is age or neuromotor ability a better predictor of hand preference development? Presented at the International Conference on Infant Studies, New Orleans, LA, May 26-28, 2016.

Gonzalez, S., Nelson, E., Campbell, J., **Marcinowski, E. C.**, & Michel, G. F. (2016). Consistency in handedness over 6 to 60 months is linked to school readiness. Presented at the International Conference on Infant Studies, New Orleans, LA, May 26-28, 2016.

Marcinowski, E. C., ‡Soula, M., Campbell, J. M., Nelson, E. L., & Michel, G. F. (2014). Does direction or consistency of hand preference predict toddler stacking ability? Presented at the 47th Annual Meeting for the International Society for Developmental Psychobiology, Washington, D.C., November 12-14, 2014.

Marcinowski, E. C., Campbell, J. M., & Michel, G. F. (2014). The Effect of Infant Construction on Language Comprehension at 3 years. Presented at the 2014 XIX Biennial International Conference on Infant Studies, Berlin, Germany, July 3-5, 2014.

Marcinowski, E. C., Nelson, E. L., & Michel, G. F. (2014). The Development of Construction from Infancy through Toddlerhood. Presented at the 2014 XIX Biennial International Conference on Infant Studies, Berlin, Germany, July 3-5, 2014.

Campbell, J. M., Babik, I., **Marcinowski, E. C.**, & Michel, G. F. (2014). The Onset of Unimanual Manipulation Skill in Relation to Reaching Handedness Development. Presented at the 2014 XIX Biennial International Conference on Infant Studies, Berlin, Germany, July 3-5, 2014.

Not Peer-Reviewed

Schejbhal, B., Phillis, E., **Marcinowski, E. C.**, & Campbell, J. M. (2021). Do male or female infants construct more in a construction task? Poster to be presented at the annual meeting of the Midwestern Psychological Association, April 22-24, 2021.

Parrish, A., Su, J., Rillo, J., Storer, D., **Marcinowski, E. C.**, & Campbell, J. M. (2019). Does the amount of social versus object play between infant and parent relate to infant construction ability? Poster presented at the 91st Annual Meeting of the Midwestern Psychological Association, Chicago, IL, April 11-13, 2019.

‡Greenberg, K., **Marcinowski, E. C.**, Kane, A., Dusing, S. C. (2018). Impact of Parent Led Play on Infant Transitions. Presented at the Virginia Leadership Education in Neurodevelopmental Disabilities (VA-LEND) Research Poster Fair, Richmond, VA, May 2, 2018.

‡Syed, G., **Marcinowski, E. C.**, Dusing, S. C., Nelson, E. L., & Michel, G. F. (2016). The relation between infant construction strategy and language. Presented at the VCU Poster Symposium for Undergraduate Research and Creativity, Richmond, VA, April 20, 2016.

‡Lanier, A., **Marcinowski, E. C.**, Campbell, J. M., & Michel, G. F. (2016). Infant handedness and its effect on perceived positive and negative attributes at 5 years of age. Presented at the 10th Annual Carolyn & Norwood Thomas Undergraduate Research Exposition, Greensboro, NC.

‡Watts, K. W., **Marcinowski, E. C.**, & Michel, G. F. (2014). The development of grasping during infancy. The 8th Annual Carolyn & Norwood Thomas Undergraduate Research Exposition, 2014, Greensboro, NC.

‡ indicates a student-mentored project

Poster list was culled to the last 7 years. 11 posters are not listed.

Awards and Honors

International/National

Co-author on a paper awarded the Gayle G Arnold Best Scientific Paper Award from the American Academy for Cerebral Palsy and Developmental Medicine

Invited Chair for 75-Minute Oral Presentation on “Sleep and Motor Development” at the 50th Annual International Society for Developmental Psychobiology (November 8-11, 2017).

Travel awards: Dean’s Research & Travel Grant Award recipient (2019; \$1,844), Travel Fund and Speaking Honorarium from the American Physical Therapy Association for the Combined Sections Meeting (2017), multiple student travel awards from NIH (NICHD), Sackler Institute, and the Nurture Science Institute at Columbia University travel award grant (2010-2016, 2018), APA International Conference Registration Grant (2014)

Regional

VCU Postdoctoral Association Travel Award for the poster: “Changes in sitting control affect toy exploration during infancy” (2018)

VCU Libraries Open Access Publishing Fund award for the article: “Infant hand preference and the development of cognitive abilities” (2016)

Behavioral, Economics, Education, and Social Sciences Award, UNCG 2008 Undergraduate Research Exposition

Service Activities

University

Panel member for the roundtable discussion entitled “Preparing for the Job Application Process” in the Department of Physical Therapy at Virginia Commonwealth University. (March, 2018), Judge for the Thomas Undergraduate Research and Creativity Expo at UNCG (2015), APA Graduate Campus Representative for the Association of Graduate Students in Psychology (APAGS) (2011-2013)

LSU: Develop modules on “Physical Development” for the ECAC Certificate program in Early Childhood, Presenter and panelist for the Behavioral Health Post-Pandemic Webinar Series (Toddler & Child Observations Post-Pandemic) for the Pregnancy & Parenting Program at Louisiana State University (hybrid event, October 27, 2022). Meeting attendee for the 3MT Thesis Competition Selection Committee (2019), member of the Life Course and Aging Center

Community

Present a talk entitled, “Scientific Writing: How to Write Better” for the McLean County 4-H Club “Writing & Professional Presentations” Workshop (2022); Volunteer for the GoBabyGo! Motorized Car Build at the Children’s Hospital of Richmond (2018), Editor of Wikipedia (2014, 2015, 2017), Lindley Elementary School Volunteer (co-teach after school music classes, Science Fair representative, demonstrate behavioral science at Family Science Night) (2011-2013), Judge for the 2011 North Carolina Science & Engineering Fair (Spring, 2011)

Professional

Member of the Asia-Pacific Constellation task force (entitled, “Diversity and Representation in Infant Research: The current state of the field and future directions” 2021-2023), Publications Committee Member for the International Society for Developmental Psychobiology (2017-present), *Ad hoc* reviewer – Developmental Psychology (2016), Laterality (2017), Developmental Psychobiology (2017), Journal of Child Health Care (2018, 2019), The Neurosciences Journal (2020), Child Development (2020), Oxford Research Encyclopedia of Psychology (2021), Frontiers in Pediatrics (2022), Brain Sciences (2022), F100 (2023)

Memberships & Affiliations

Society: International Society for Developmental Psychobiology (2011-present), International Society for Infant Studies (2014-2016, 2018-2019, 2021-2022), Southeastern Psychological Association (2010-2012), Psi Chi (2008-present), American Psychological Association (2011-2014)

Research Centers: Multidisciplinary Initiative for Neuroscience Discovery at LSU (2019-present) and Executive Committee member (2023-present), Early Childhood Education Institute at LSU (2021-present), Life Course and Aging Center (2019-2023)