

# Emily C. Marcinowski, PhD

## Curriculum Vita

Department of Kinesiology  
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### Academic Appointments

2019-present     Assistant Professor  
Kinesiology, Louisiana State University

### Research Interests

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

## 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

2016-2019 t[1.71.04 71.4 5W

2015 Co-Principal Investigator, Innovational Research Incentives Scheme (~~(\$267,276)~~)  
 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 consultants of the ~~START~~ Program. (Mentors: James Baird and Natalie Koziol, University of Nebraska-Lincoln)

2008-2015 Michel Research Lab, University of North Carolina at Greensboro

2008-2014

2008-2009

2008-2010

2007-2010



Marcinowski, E. C., Tripathi, T., Hsu, L.



†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, 2022.

†Kretch, K. S., Soliman, M., Wazana, S., Henigan, A., Garcia, B., Marcinowski, E. C., L.Y.,

†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 46<sup>th</sup> Annual Meeting for Developmental Psychobiology, San Sebastian, Spain, July 20, 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.





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

Marcinowski, E. C., Hsu, L.Y., WestcottMcCoy, 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). 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 1-2, 2018.

An, M., Harbourne, R., Stankus, J., Hsu, Y.L., 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 13, 2018.

Tripathi, T., Syed, G., Marcinowski, E. C., Hsu, 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 24, 2017.

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‡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<sup>th</sup>, 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 V

‡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                      ‡ indicates a poster presented at 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 60th Annual International Society for Developmental Psychobiology (November, 2017).

Travel awards: Dean's Research & Travel Grant Award recipient (\$1844), 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

## Community

Present a talk entitled, "Scientific Writing: How to Write Better for the McLean County-H Club  
 "Writing & Professional Presentation" 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 (teach after school music classes, Science Fair representative,  
 demonstrate behavioral science at Family Science Night) (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"-2023), Publications Committee  
 Member for the International Society for Developmental Psychobiology (2015-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

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Society International Society for Developmental Psychobiology (2015-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 (2020-present) Early Childhood Education Institute at LSU (2021-present),  
 Life Course and Aging Center (2019-2023)