

Nicholas E. Fears
Department of Psychology
Tulane University
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Education

- In progress Ph.D. in Psychological Science
Tulane University
Advisor: Jeffrey J. Lockman, PhD
- 2016 M.S. in Psychological Science
The Development of Vision and Basic Reading Skills in Handwriting
Tulane University
Advisor: Jeffrey J. Lockman, PhD
- 2013 B.S. in Psychology (with honors)
Surface Features and Visually-Guided Action Development in Toddlers
Indiana University
Advisor: Linda B. Smith, PhD

Awards and Grants

- 2016 Phase Zero Small Business Innovation Research Grant - \$2000
Louisiana Business & Technology Center
Role: Chief Science Officer
- 2016 Summer Research Grant - \$5000
Psi Chi and Society for Research in Child Development
Role: Advisor
- 2016 Dean Donald R. Moore Award
Tulane University
- 2015 Neuro Startup Challenge Winner - \$2500
NIH and Center for Advancing Innovation
Role: Chief Science Officer
- 2012 Summer Research Grant - \$5000
Psi Chi and Society for Research in Child Development
Role: Principal Investigator
- 2012 Hutton Honors College Research Grant - \$1200
Indiana University
Role: Principal Investigator

Manuscripts in Preparation

Street, S.Y., James, K.H., Fears, N., Jones, S.S. & Smith, L.B. (in prep). Object Recognition and Action on Objects: A Longitudinal Study of Toddlers

Street, S.Y., Fears, N., James, K.H., Jones, S.S. & Smith, L.B. (in prep). The Development of Vision For Action: A Longitudinal Study of Toddlers

Fears, N., Kahrs, B. & Lockman, J.J. (in prep). Basic Reading Skills and Visual Processing in the Letter-Word Copying of Young Children.

Kahrs, B., Fears, N., Lockman, J.J., & Golob, E. J. (in prep). Neural Correlates of Object Manipulation and Fitting.

Book Chapters

Lockman, J.J., Fears, N. E. & Lewis, E. A. (submitted). Spatial Development. *Oxford Research Encyclopedia: Psychology*. Oxford, UK: Oxford University Press

Lockman, J.J., Lewis, E. A., Fears, N. E. (submitted). Ecology. *The SAGE Encyclopedia of Lifespan Human Development*. Thousand Oaks, California: Sage Publications, Inc.

Invited Presentations

Fears, N., Street, S.Y., James, K.H., Jones, S.S. & Smith, L.B. (2012, November). Orientation and Visually Guided Action Development in Toddlers. Developmental Seminar, Psychological and Brain Sciences at Indiana University, Bloomington, Indiana

Symposium

Lockman, J. J., Noonan, C. F., Fears, N. (2016, September). The Development of Sensorimotor Body Maps in Infancy. International Conference of Developmental Learning and Epigenetic Robotics, Cergy-Pontoise, France.

Hoffman, M., Lockman, J. J., Noonan, C.F., Fears, N. E. (2016, May). Integrating Developmental Science and Robotics in the Study of Body Mapping. International Congress of Infant Studies Pre-Conference: Origins of Body Representations, New Orleans, Louisiana.

Fears, N., Street, S.Y., James, K.H., Jones, S.S. & Smith, L.B. (2012, November). Orientation and Visually Guided Action Development in Toddlers. Indiana University Undergraduate Research Conference 18, Indianapolis, Indiana

Street, S.Y., James, K.H., Fears, N., Jones, S.S. & Smith, L.B. (2012, May). Object Recognition and Action on Objects: A Longitudinal Study of Toddlers. Annual Midwest Cognitive Science Conference, Bloomington, Indiana.

Poster Presentations

Fears, N., Lewis, E. A., Kahrs, B. & Lockman J.J. (2016, May). Tool-Use for Self-Feeding in Infancy. Poster presented at the biennial International Conference of Infant Study, New Orleans, Louisiana.

Lewis, E. A., Fears, N., Kahrs, B. & Lockman J.J. (2016, May). Use of Handled Tools by Young Children. Poster presented at the biennial International Conference of Infant Study, New Orleans, Louisiana.

Lewis, E. A., Fears, N., Kahrs, B. & Lockman J.J. (2016, May). Spatial Planning During Cup-to-Mouth Transport. Poster presented at the biennial International Conference of Infant Study, New Orleans, Louisiana.

Fears, N., Lewis, E. A., Kahrs, B. & Lockman J.J. (2015, October). Development of Handwriting: Basic Reading Skills and Visual-Motor Coordination. Poster presented at the biennial Cognitive Development Society Conference, Columbus, Ohio.

Fears, N., Kahrs, B. & Lockman J.J. (2015, March). Development of Vision in Handwriting. Poster presented at the biennial Society of Research in Child Development Conference, Philadelphia, Pennsylvania.

Street, S.Y., James, K.H., Fears, N., Jones, S.S., & Smith, L.B. (2014, July) The Development of Visually Guided Action: A Longitudinal Study of Toddlers 16-24 months. Poster presented at the biennial International Conference of Infant Studies, Berlin, Germany.

Kahrs, B., Jung, W., Rabinow, L., Fears, N. & Lockman, J. (2014, July) Objects as extension of the hand: A longitudinal study of object banging. Poster presented at the biennial International Conference of Infant Studies, Berlin, Germany.

Smith, A., Kahrs, B., Fears, N., & Lockman, J. (2014, July) Object Orientation During Hand-to-Mouth Transport in Infants. Poster presented at the biennial International Conference of Infant Studies, Berlin, Germany.

Fears, N., Street, S.Y. & Smith, L.B. (2013, April). Orientation and Visually-Guided Action Development. Poster presented at the biennial Society of Research in Child Development Conference, Seattle, Washington.

Fears, N., Street, S.Y., & Smith, L.B. (2012, May). Facial Orientation and Visually Guided Action Development. Poster presented at the annual Midwest Cognitive Science Conference, Bloomington, Indiana.

Street, S.Y., James, K.H., Fears, N., Jones, S.S. & Smith, L.B. (2012, March). The development of vision for action and vision for perception in toddlers. Poster presented at the annual Women in Science Conference, Bloomington, Indiana

Press

Wendland, Tegan (2015, June). Tulane medical tech startups advance in competition [Press Release]. Retrieved from [Link](#)

New Wave Staff (2015, May). Two Tulane Teams win big in international competition [Press Release]. Retrieved from [Link](#)

PRNewswire-USNewswire (2015, May). Neuro Startup Challenge selects 13 winning teams to launch startups for unlicensed NIH technologies to improve brain health [Press Release]. Retrieved from [Link](#)

Cross, Mary (2016, June). Student earns \$5,000 summer research grant. [Press Release]. Retrieved from [Link](#)

Teaching Experience

Child Psychology	Instructor
Univariate Statistics	Lab Instructor
Developmental Psychology	Guest Lecturer on Developmental Methodology
Infancy	Guest Lecturer on Motor, Perceptual, and Cognitive Development

Honors Thesis Advised

2016	Michelle Sheena <i>Object Orientation During Hand-to-Mouth Transport in Infants.</i>
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University Service

2016-Present	Graduate and Professional Student Association President
2016-Present	Tulane University Senator
2016-Present	Tulane University Senate Student Affairs Committee Member
2016-Present	University Budget Review Committee Member
2015-Present	Tulane University Alcohol Policy Task Force Member
2015-Present	Psychology Department Colloquium Committee Member
2015-2016	Educational Policy Committee Member
2015-2016	Associated Student Body Senator
2015-2016	Graduate and Professional Student Association Senator
2015-2016	Graduate Studies Student Association Vice President
2014-2015	Graduate Studies Student Association Representative

Academic Affiliations

Society of Research in Child Development
American Educational Research Association
Association for Psychological Science
Cognitive Development Society
International Congress of Infant Studies
Psi Chi

Additional Skills

Technical Experience

Eye-Tracking with adults and young children
3-D Motion Analysis with infants and toddlers
Computer Network and Server Maintenance
Website Maintenance

Computing Skills

Proficient in the use of:
Microsoft Office, SPSS, R, HLM, MATLAB, Python, HTML, Datavyu, and Qualisys.