National Center for Education Research (NCER)  
Research Grant Presentations

Ninth Biennial Meeting of the Cognitive Development Society  
October 9-October 10, 2015  
Columbus, OH  
http://meetings.cogdevsoc.org/

Friday October 9, 2015

Lunch Workshop II: Government Funding Opportunities  
Time: 12:00pm - 1:15pm  
Location: Emerson Burkhart A

Please join Erin Higgins (IES), Kathy Mann Koepke (NIH/NICHD) and Laura Namy (NSF) for an in-depth question and answer session on the ins and outs of government funding. Come and learn how to advance your research with federal support.

Poster Session I  
Time: 1:15pm - 2:30pm  
Location: George Bellow ABC

Classroom-Based Measures of Executive Function Predict Academic Achievement in Young Children  
Sammy F. Ahmed¹, Benjamin Kats¹, Nicholas Waters¹, Sarah M Stilwell¹, Jennie K Grammer², Frederick J. Morrison¹  
¹University of Michigan; ²University of California, Los Angeles

Whole Number Bias Impedes Understanding of Fraction Equivalence  
David William Braithwaite, Robert S Siegler  
Carnegie Mellon University

Symposium: Early Math Matters: Development of Number, Shape and Pattern Knowledge in Early Childhood  
Time: 2:30pm - 4:00pm  
Location: Emerson Burkhart B

Development of Early Number Sense Shapes Educational Outcomes  
Nancy Jordan  
University of Delaware

Improving Numeracy Skills in Early Childhood  
Geetha B. Ramani, Sarah Eason, Erica Zippert, Emily Daubert, Nicole Brooke  
University of Maryland
**Saturday October 10, 2015**

*Plenary Symposium: Living in Pasteur's Quadrant: Four Examples of Advancing Cognitive Development by Researching Real Educational Problems*

Time: 10:30am - 12:00pm  
Location: George Bellows DEF

*Learning and Transfer of Mathematical Knowledge: Lessons from Wine Tasting in the Dark*

Vladimir Sloutsky  
Ohio State University

*Acquiring the Place Value System: Statistical Learning, Concrete Models, and the Power of Symbols*

Kelly Mix¹, Linda Smith²  
¹Michigan State University, ²Indiana University

*Using Developmental Science to Support Young Children’s Math Learning*

Susan Levine  
University of Chicago

**Poster Session III**

Time: 1:15pm - 2:30pm  
Location: George Bellow ABC

*Differences in Pedagogy between High and Low Math Anxious Teachers and Subsequent Student Performance*

Rachel Fine¹, Marjorie Weber Schaeffer¹, Erin Maloney¹, Gerardo Ramirez², Sian Beilock¹, Susan Levine¹  
¹University of Chicago; ²University of California, Los Angeles

*Linking Symbols to Underlying Quantities Supports Transfer in Mathematics*

Rebecca Boncoddo¹, Andrew Young², Jordan Thevenow-Harrison², April Murphy², Molly Yunker², Charles Kalish², Martha Alibali², Timothy Rogers²  
¹Central Connecticut State University; ²University of Wisconsin-Madison

*Pattern, But Not Shape, Knowledge Predicts Fifth Grade Math Outcomes*

Emily Ruth Fyfe, Bethany Rittle-Johnson, Kerry Hofer, Dale Farran  
Vanderbilt University

*Use of Magnitudes in Addition Estimation*

Jing Tian¹,², Robert Siegler¹,²  
¹Carnegie Mellon University; ²Siegler Center for Innovative Learning, Beijing Normal University, China
Oral Papers IV: Math and Number
Time: 4:15pm - 5:45pm
Location: Elijah Pierce A and B

The Effects of Error Reflection on Middle School Students’ Algebra Learning
Christina Barbieri, Julie L. Booth
Temple University

Symposium: Vocabulary and Cognitive Development: Crossing the Basic-Applied Divide
Time: 4:15pm - 5:45pm
Location: Emerson Burkhart A

Learning through Play: Improving Vocabulary Knowledge for Low-Income Preschoolers
Roberta Golinkoff1, Brenna Hassinger-Das2, Tamara Spiewak Taub3, Hande Ilgaz4, Deena Skolnick Weisberg5, Kimberly T. Nesbitt6, Molly F. Collins6, Jessica Eye7, Elizabeth Hadley6, Bretta Rivera6
1University of Delaware, 2Temple University, 3University of Washington, 4Bilkent University, 5University of Pennsylvania, 6Vanderbilt University, 7Lehigh University

Poster Session IV
Time: 5:45pm - 7:00pm
Location: George Bellow ABC

Developmental Growth Trajectories in Fraction Magnitude from Fourth through Sixth Grade
Ilyse Resnick, Nicole Hansen, Jessica Carrique, Vinaya Rajan, Nancy Jordan
University of Delaware

The Developmental Effects of Mathematics Terminology on Algebra Learning
Kelly Marie McGinn, Julie L. Booth
Temple University