

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/NICHHD) 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 Boncoddio¹, 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 Tian^{1,2}, Robert Siegler^{1,2}

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