Friday October 13, 2017

8:30am – 9:00am  Opening Remarks

9:00am – 10:15am  Plenary Speaker
Relations Between Conceptual Development and Executive Function: In Dialog with Jean Piaget
Susan Carey, Harvard University

10:15am – 10:30am  Coffee Break

10:30am – 12:00pm  Plenary Symposium 1
The Development of the Imagination

The Batman Effect
Stephanie Carlson, University of Minnesota - Twin Cities

Inconceivable! How Children Mistake Failures of Imagination for Insights into Necessity
Andrew Shtulman, Occidental College

Paracosms: The Imaginary Worlds of Middle Childhood
Marjorie Taylor, University of Oregon

The plodding imagination of young children
Paul Harris, Harvard University

12:00pm – 1:15pm  Lunch on Own or Lunch Workshops

1:15pm – 2:30pm  Poster Session 1 & Exhibits
Symposium 1
Social-Causal Reasoning: Insights from Comparative, Developmental, and Computational Perspectives
Chairs: Sophie Bridgers, Stanford University & Angie M Johnston, Yale University
Discussant: Christine Legare, University of Texas at Austin

2:30 pm - 2:55 pm
How can I help? 24- to 48-month-olds provide help specific to the cause of others' failed actions
Sophie Bridgers¹, Sara Altman¹, Hyowon Gweon¹
¹Stanford University

2:55 pm - 3:20 pm
I can do it myself: Domesticated dogs prioritize independent problem-solving over looking back
Angie Johnston¹, Linda Chang², Laurie Santos¹
¹Yale University, ²Harvard University

3:20 pm - 3:45 pm
How do causal knowledge and sensitivity to intentions influence copying behavior in children, capuchin monkeys and dogs?
Emma Tecwyn¹, Amanda Seed², Daphna Buchsbaum³
¹Cardiff University, ²University of St. Andrews, ³University of Toronto

3:45 pm - 4:00 pm
Integrating Perspectives on Social-Causal Reasoning
Cristine Legare¹
¹The University of Texas at Austin

Symposium 2
Variation in parent-child conversation and the development of core cognitive competencies
Chairs: Jennifer M Clegg, Boston University & Kathryn Leech, Harvard University

2:30 pm – 2:50 pm
Talking about the mind across three different language contexts and two cultures
Mele Taumoepeau¹, Sanam Sadeghi¹, Ashlie Nobilo¹
¹University of Otago

2:50 pm – 3:10 pm
Telling Stories At Home: How Pretend and Narrative Support Children's Early Cognitive Development
Amanda Brown¹, Rebecca Frausel¹, Lindsey Richland¹, Susan Levine¹, Susan Goldin-Meadow¹
¹The University of Chicago
3:10 pm – 3:30 pm  Pedagogical questions during parent-child interactions correlate with children's causal learning and exploration  Yue Yu¹, Elizabeth Bonawitz¹, Patrick Shafto¹ ¹Rutgers University-Newark

3:30 pm – 3:50 pm  Improving Young Children's Spontaneous Focus on Number Through Guided Parent-Child Interactions in a Children's Museum  Emily Braham¹, Melissa Libertus¹, Koleen McCrink² ¹University of Pittsburgh, ²Barnard College

Symposium 3  The development of spatial reorientation: An old puzzle, a new formulation  Chair: Nora S Newcombe, Temple University

2:30pm - 2:50pm  The neural representation of directions and borders in developing rats  Thomas Wills¹, Francesca Cacucci¹ ¹University College London

2:50pm - 3:10pm  Children's use of asymmetry and illusory depth as cues for reorientation  Anna Shusterman¹, Andrew Ribner², John Pacheco¹, Julian Waddell¹ ¹Wesleyan University, ²New York University

3:10pm - 3:30pm  Modularity of geometric processing? Children's reorientation behavior as a case study  Sami Yousif¹, Stella Lourenco² ¹Yale University, ²Emory University

3:30pm - 3:50pm  A New Paradigm Showing the First Direct Evidence of Cue Integration in Reorientation  Alexandra Twyman¹, Mark Holden¹, Nora Newcombe² ¹University of Nebraska-Lincoln, ²Temple University

Symposium 4  New Contributions to the Development of Intergroup Attitudes in Childhood  Chairs: Andrew Meltzoff, University of Washington & Allison Skinner, Northwestern University

2:30pm - 2:52pm  Exposure to Nonverbal Bias Can Create Prejudice Among Preschool Children  Allison Skinner¹, Kristina Olson², Andrew Meltzoff² ¹Northwestern University, ²University of Washington
Building Bias: Children use statistical social information to reason about social preferences
Isobel Heck¹, Tamar Kushnir¹, Katherine Kinzler¹
¹Cornell University

Parents' Discomfort Drives Children's Decreasing Endorsement of Racial (but not Gender) Stereotypes
Katharine Scott¹, Elizabeth Brey², Rista Plate³, Kristin Shutts¹, Patricia Devine¹
¹University of Wisconsin-Madison, ²University of Hawaii at Manoa

Social exclusion in intergroup peer contexts: Disentangling wealth and race
Amanda Burkholder¹, Victoria Gordon¹, Melanie Killen¹
¹University of Maryland

Oral Papers I
Social and Moral Cognition
Chair:

Collaboration benefits active learning in older children, but not younger children
Andrew Young¹
¹Occidental College

Children's Views on the Acceptability of Revenge
Craig Smith¹, Daniel Hartlep¹
¹University of Michigan

What was he thinking?!: Examining group differences in Theory of Mind and socio-moral reasoning between aggressive, prosocial, non-social, and prosocial-aggressive children
Erin Baker¹, Samantha Bordoff¹, Jessica Murray¹, Erica Shudt¹, Rebecca Swartz¹, Tara Caemmerer¹, Arooba Yousef¹
¹University at Albany, State University of New York

The relation between single-parent status, subjective socioeconomic status, and children’s executive function and theory of mind: Possible advantage to disadvantage?
Jessica Murray¹, Erin Baker¹, Samantha Bordoff¹, Tara Caemmerer¹, Erica Shudt¹, Rebecca Swartz¹, Arooba Yousef¹
¹University at Albany, State University of New York

More optimistic than adults? Children make optimistic future predictions for both themselves and others
Laura Hennefield¹, Lori Markson¹
¹Washington University in St Louis
Symposium 5

**Mind in motion: The development of cognitive processes in real time**

**Chairs:** Bennet I Bertenthal, *Indiana University* & Jeffrey J Lockman, *Tulane University*

**4:15pm - 4:35pm**

**The neural dynamics of the "mysterious midline barrier" in infants' goal-directed reaching**
Bennett Bertenthal¹, Megan Read¹, Rebecca Hailperin-Lausch¹, Elizabeth daSilva¹
¹*Indiana University*

**4:35pm - 4:55 pm**

**Neural patterns underlying the development of planning in tool use**
Ori Ossmy¹, Brianna Kaplan¹, Karen Adolph¹
¹*New York University*

**4:55pm - 5:15pm**

**Object fitting by preschool children: The dynamics of spatial coordination**
Jeffrey Lockman¹, Wendy Jung¹, Bjoern Kahrs¹
¹*Tulane University*

Symposium 6

**Number, Proportion & Probability: Distinct Influences on Children’s Probability Judgements**

**Chair:** Shaun O’Grady, *UC Berkeley*

**Discussant:** Elizabeth Brannon, *University of Pennsylvania*

**4:15pm - 4:35pm**

**Proportional and Probabilistic Reasoning in Primates and Children**
Emily Szkudlarek¹, Elizabeth Brannon¹
¹*University of Pennsylvania*

**4:35pm - 4:55 pm**

**Proportional Matching and Probability Judgement: Related yet Different**
Ty Boyer¹, Lindsey Bradley¹, Natalie Branch¹
¹*Georgia Southern University*

**4:55pm - 5:15pm**

**Both Numerical and Visuo-spatial Features Influence Binary Probability Judgments Across Development**
Shaun O’Grady¹, Fei Xu¹
¹*UC Berkeley*
Symposium 7  
**How an Understanding of Kinship and Friendship Influences Children’s Social Judgments**

*Chair: Julia Marshall, Yale University*

**4:15 pm - 4:35 pm**

**Four-year-old children favor kin when the stakes are higher**
Annie Spokes¹, Elizabeth Spelke¹  
¹Harvard University

**4:35 pm - 4:55 pm**

**Toddlers' expectations for social partners to respond to each other's distress**
Amanda Mae Woodward¹, Jonathan Beier¹  
¹University of Maryland

**4:55 pm - 5:15 pm**

**The Developing Appreciation of the Moral Significance of Close Relationships**
Julia Marshall¹, Karen Wynn¹, Paul Bloom¹  
¹Yale University

**5:15 pm - 5:35 pm**

**The social value of secrets: children use disclosure of personal information to make inferences about patterns of friendship**
Zoe Liberman¹, Alex Shaw²  
¹University of California Santa Barbara, ²University of Chicago

Symposium 8  
**Exploring cross-cultural variation in the development of children’s attitudes toward risk**

*Chair & Discussant: Katherine McAuliffe, Boston College*

**4:15 pm - 4:35 pm**

**Cross-cultural variation in children's risk and time preferences**
Dorsa Amir¹, Matthew Jordan¹, Katherine McAuliffe², Claudia Valeggia³, Lawrence Sugiyama³, Richard Bribiescas¹, Yarrow Dunham¹  
¹Yale University, ²Boston College, ³University of Oregon

**4:35 pm - 4:55 pm**

**Risk of personal loss drives children’s effort to protect common goods: a cross-cultural behavioral study**
Aleah Bowie¹, Jingzhi Tan¹, Wen Zhou¹, Tara Stoinski², Brian Hare¹  
¹Duke University, ²The Diane Fossey Gorilla Fund

**4:55 pm - 5:15 pm**

**Risk taking among Hadza hunter-gatherer children**
Alyssa Crittenden¹, Victoria Tobolsky², Coren Apicella³  
¹University of Nevada, Las Vegas, ²Harvard University, ³University of Pennsylvania

**5:45 pm – 7:00 pm**

**Poster Session 2 & Exhibits**
Oral Papers II  

Language Development

Chair:

4:15 pm - 4:33 pm  

A Playful Context Enhances Bilingual and Monolingual Preschoolers' Motivation and Private Speech  
Jeremy Sawyer¹  
¹The Graduate Center, CUNY

4:33 pm - 4:51 pm  

Moving from unknown to known: Developmental differences and changes in neural oscillatory processing as a word is learned  
Julie Schneider¹, Alyson Abel², Mandy Maguire¹  
¹University of Texas at Dallas, ²San Diego State University

4:51 pm - 5:09 pm  

Are Infants' Information Seeking Gestures Specialized for Early Word Learning?  
Kelsey Lucca¹, Makeba Wilbourn¹  
¹Duke University

5:09 pm - 5:27 pm  

The role of information structure in children's comprehension of complex sentences - testing two hypotheses  
Laura de Ruiter¹, Elena Lieven¹, Silke Brandt², Anna Theakston¹  
¹University of Manchester, ²Lancaster University

5:27 pm - 5:45 pm  

More than maternal sensitivity: A longitudinal investigation of parent-child interaction, early language, and executive function  
Lillian Masek¹, Staci Weiss¹, Kathy Hirsh-Pasek¹, Roberta Golinkoff²  
¹Temple University, ²University of Delaware
Saturday October 14, 2017

8:30am – 9:00am  Announcements and Awards

9:00am – 10:15am  Plenary Speaker
The role of personal and social identities in academic achievement: The Case of African American Adolescents”
Jacquelynne Eccles, University of California, Irvine

10:15am – 10:30am  Coffee Break

10:30am – 12:00pm  Plenary Symposium 2
The Relational Mind

Analogical comparison and language in the development of relational cognition
Dedre Gentner, Northwestern University

The development of relational processing in infancy
Sue Hespos, Northwestern University

Social Relational Learning
Stella Christie, Swarthmore College

Do you notice a pattern? Patterning, relational reasoning and mathematics knowledge
Bethany Rittle-Johnson, Vanderbilt University

12:00pm – 1:15pm  Lunch on Own or Lunch Workshops

1:15pm – 2:30pm  Poster Session 3 & Exhibits
Symposium 9

Imitation as a Mechanism of Cultural Transmission: Exploring the Role of Biology, Context, and Culture

Chair: Samuel Ronfard, Boston University

2:30pm - 2:52pm

Genetic contributions to over-imitation in early childhood
Samuel Ronfard¹, Susan Fenstermacher², Deborah Kelemen¹, Kimberly Saudino¹
¹Boston University, ²University of Vermont

2:52pm - 3:14pm

The influence of communication and prior knowledge on overimitation
Hanna Schleihauf¹, Sabina Pauen², Stefanie Hoehl¹
¹Max Plack Institute for Cognitive and Brain Science, ²Heidelberg University

3:14pm - 3:36pm

Examining the role of conformity in children’s flexible imitation: Children’s imitation of instrumental and conventional tasks in the U.S. and Vanuatu
Jennifer Clegg¹, Nicole Wen², Cristine Legare²
¹Texas State University, ²The University of Texas at Austin

3:36pm - 4:00pm

The role of personality on children’s copying and innovation propensity: Conscientiousness, Agreeableness and Openness matter
Bruce Rawlings¹, Emma Flynn¹, Rachel Kendal¹
¹Durham University

Symposium 10

Usable Knowledge for Improving Mathematics Learning: Bridging Research in Cognition and Development with Educational Practice in Diverse Contexts

Chairs: Nancy C Jordan, University of Delaware & Christina Barbieri, University of Delaware

2:35pm - 2:50pm

Translating cognitive developmental theory to improve children’s understanding of counting
Nicole McNeil¹, Connor O’Rear¹, Lori Petersen, Alexandria Viegut¹, Alexandra Bohnsack¹, Alexander Boehm¹
¹University of Notre Dame

2:50pm - 3:05pm

Using Cognitive Science to Inform the Design of Math Apps
Geetha Ramani¹, Erica Zippert², Emily Daubert¹, Nicole Scalise¹
¹University of Maryland, College Park, ²Vanderbilt University

3:05pm - 3:20pm

Effects of Spatial Training on Elementary Mathematics
Kelly Mix¹, Susan Levine², Yi-Ling Cheng³
¹University of Maryland, ²University of Chicago, ³Michigan State University
3:20pm - 3:35pm  Using principles from Cognition and Learning to Develop Fraction Knowledge in Struggling Middle Schoolers
Christina Barbieri¹, Nancy Jordan¹, Nancy Dyson¹, Jessica Rodrigues²
¹University of Delaware, ²University of Southern California

Symposium 11  Cue Use in Early Language Acquisition: Integrating Naturalistic and Lab-Based Methods
Chair: Christina Schonberg, UCLA

2:30pm - 2:52pm  Developmental changes in the effects of referential context on label learning
Dylan Antovich¹, Katharine Graf Estes¹
¹University of California, Davis

2:52pm - 3:14pm  Cue Use in Early Language Acquisition: Integrating Naturalistic and Lab-Based Methods
Elika Bergelson

3:14pm - 3:36pm  Monolingual and Bilingual Toddlers' Use of Pragmatic and Object Cues in Word Learning
Christina Schonberg¹, Catherine Sandhofer¹, Scott Johnson¹
¹UCLA

3:36pm - 4:00pm  Children gesture when words are slow to come
Daniel Yurovsky¹, Nicole Burke¹, Amanda Woodward¹, Susan Goldin-Meadow¹
¹University of Chicago

Symposium 12  Proto-political actors: The origins of legal and political thinking
Chairs: Katherine Kinzler, Cornell University & Andrei Cimpian, New York University

2:30pm - 2:50pm  The development of children's thinking about a social contract
Katherine Kinzler¹, Jessica Bregant², Alex Shaw²
¹Cornell University, ²University of Chicago

2:50pm - 3:10pm  Children's and adults' perceptions of incarceration
James Dunlea¹, Larisa Heiphetz¹
¹Columbia University

3:10pm - 3:30pm  The essentialist origins of concepts of national identity
Andrei Cimpian¹, Larisa Hussak²
Parental political ideologies relate to variation in the processes that drive costly punishment in early childhood
Marjorie Rhodes¹
¹New York University

Symposium 13
Words in the World: Novel Approaches to Improving Preschoolers' Vocabulary Development
Chair & Discussant: Elizabeth Albro, Institute of Education Services/US Department of Education

Oral Papers III
Concepts, Categories, and Causal Learning
Chair:

2:30pm - 2:48pm
Preschooler’s Causal Hypothesis Testing Reveals Developmental Shifts in the use of Temporal and Pedagogical Information
Elizabeth Lapidow¹, Elizabeth Bonawtiz²
¹Rutgers University-Newark, ²Rutgers University

2:48pm - 3:06pm
Selective attention and learning from interactive and noninteractive video: An eye movement study
Heather Kirkorian¹, Koeun Choi², Seung Heon Yoo¹, Roxanne Etta¹
¹University of Wisconsin-Madison, ²University of California-Riverside

3:06pm - 3:24pm
Using automated controlled rearing to explore the origins of object concepts
Justin Wood¹
¹University of Southern California

3:24pm - 3:42pm
Categorization of negative facial expressions in late infancy
Ashley Ruba¹, Andrew Meltzoff¹, Betty Repacholi¹
¹University of Washington

3:42pm - 4:00pm
Developmental Precursors to Essentialism: Infants' Internal Property Bias
Erik Cheries¹, Hernando Taborda-Osorio¹
¹UMass Amherst

4:00pm – 4:15pm
Transition Time
4:20 pm - 4:40 pm  Educational Media Supports for Low-Income Preschoolers? Vocabulary Development  
Susan Neuman¹, Kevin Wong¹, Rachel Flynn², Tanya Kaefer³  
¹New York University, ²Northwestern University, ³Lakehead University

4:40 pm - 5:00 pm  Story Talk: A Cognitive Research-based Vocabulary Intervention for Preschoolers  
Barbara Wasik¹, Annemarie Hindman¹  
¹Temple University - Of The Commonwealth System of Higher Education

5:00 pm - 5:20 pm  The joy of vocabulary learning: A Preschool reading and play intervention  
Kathy Hirsh-Pasek¹, Emily Hopkins¹, Molly Scott¹, Jacob Schatz¹, Tamara Toub¹, David Dickinson², Molly Collins², Jessica Lawson², Roberta Michnick Golinkoff³, Rebecca Dore³, Marcia Shirilla⁴  
¹Temple University, ²Vanderbilt University, ³University of Delaware, ⁴University of Delaware

Symposium 14  New insights into emotion understanding in infancy and early childhood  
Chair: Yang We, MIT

4:15 pm - 4:35 pm  Pre-verbal Infants Perceive Emotional Facial Expressions Categorically  
Disa Sauter¹, YongQi Cong¹, Caroline Junge², Evin Aktar³, Maartje Rajmakers¹, Anna Franklin⁴  
¹University of Amsterdam, ²Utrecht University, ³University of Leiden, ⁴University of Sussex

4:35 pm - 4:55 pm  Infants and preschoolers discriminate and search for probable eliciting causes of diverse positive emotions  
Yang Wu¹, Paul Muentener², Laura Schulz¹  
¹MIT, ²Tufts University

4:55 pm - 5:15 pm  Preschoolers engage in emotional perspective taking during language processing  
Melanie Khu¹, Craig Chambers², Susan Graham¹  
¹University of Calgary, ²University of Toronto

5:15 pm - 5:35 pm  A pleasant surprise: Children use probability to infer people's surprise and happiness  
Tiffany Doan¹, Ori Friedman¹, Stephanie Denison¹  
¹University of Waterloo

Symposium 15  Memory consolidation and learning across early childhood  
Chair: Angela Xiaoxue He, Boston University
Consolidation is key for bootstrapping segmentation
Michelle Sandoval, Rebecca Gomez¹
¹University of Arizona

Children's forgetting of words mapped via mutual exclusivity
Catherine DeBrock¹, Haley Vlach¹
¹University of Wisconsin-Madison

Two-year-olds consolidate verb meanings during a nap
Angela Xiaoxue HE¹, Sandra Waxman², Sudha Arunachalam
¹Boston University, ²Northwestern University

Declarative memory consolidation over naps in early childhood
Rebecca Spencer¹
¹University of Massachusetts, Amherst

Symposium 16 Environmental influences on children’s intergroup cognition
Chair: Lori Markson, Washington University

The influence of a diverse environment on children's social generalization
Stella Christie¹, Rongzhi Liu¹
¹Swarthmore College

The effects of diversity and segregation on children's inferences about others’ racial attitudes
Arianne Eason¹, Cheryl Kaiser¹, Jessica Sommerville¹
¹University of Washington

Effects of Diversity on Children's Learning and Trust
Hyesung Grace Hwang¹, Lori Markson¹
¹Washington University in St. Louis

Predictors of Children's Willingness to Engage in Cross-Race Friendships
Amber Williams¹, Rebecca Bigler²
¹California Polytechnic State University, ²University of Texas at Austin

Oral Papers IV Number, Space and Memory
Chair:

Interactions of Space and Arithmetic: Operational Momentum in Preschool Children
Koleen McCrink¹, Hannah Dunn¹, Nicole Bernstein¹, Viola Macchi Cassia², Hermann Bulf², Maria Dolores de Hevia³
¹Barnard College, Columbia University, ²Università di Milano Bicocca, ³Université Paris Descartes

4:33pm - 4:51pm Is it Who You Know, or Where you Live? Examining the First Memories of European American and Chinese American Adults Born in the United States
Lauren Eales¹, Angela Lukowski¹
¹University of California, Irvine

4:51pm - 5:09pm The effect of perceived threat to freedom of choice on children's preference for scarcity
Kathryn Harper¹, Lili Ma¹
¹Ryerson University

5:09pm - 5:27pm Expectations about color categories inform preschooler's recall
Carla Macias¹, Elizabeth Bonawitz¹, Kimele Persaud², Pernille Hemmer³
¹Rutgers University- Newark, ²Rutgers University-New Brunswick, ³Rutgers University- New Brunswick

5:27pm - 5:45pm Thinking inside the box: Children view number, diversity, and connections of parts as internal complexity cues
Richard Ahl¹, Frank Keil¹
¹Yale University

5:45pm – 7:00pm Poster Session 4 & Exhibits