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

¹*Stanford 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

¹*Yale University*, ²*Harvard 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

¹*Cardiff University*, ²*University of St. Andrews*, ³*University of Toronto*

3:45 pm - 4:00 pm

**Integrating Perspectives on Social-Causal Reasoning**

Cristine Legare¹

¹*The 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

¹*University 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 Frause¹, Lindsey Richland¹, Susan Levine¹, Susan Goldin-Meadow¹

¹*The 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
2:52pm - 3:14pm  Building Bias: Children use statistical social information to reason about social preferences  
Isobel Heck¹, Tamar Kushnir¹, Katherine Kinzler¹  
¹Cornell University

3:14pm - 3:36pm  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, ³University at Albany, State University of New York

3:36pm - 4:00pm  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:

2:30pm - 2:48pm  Collaboration benefits active learning in older children, but not younger children  
Andrew Young¹  
¹Occidental College

2:48pm - 3:06pm  Children's Views on the Acceptability of Revenge  
Craig Smith¹, Daniel Hartlep¹  
¹University of Michigan

3:06pm - 3:24pm  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 Bordoff³, Jessica Murray¹, Erica Shudt¹, Rebecca Swartz¹, Tara Caemmerer¹, Arooba Yousef¹  
¹University at Albany, State University of New York

3:24pm - 3:42pm  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 Baker³, Samantha Bordoff³, Tara Caemmerer¹, Erica Shudt¹, Rebecca Swartz¹, Arooba Yousef¹  
¹University at Albany, State University of New York

3:42pm - 4:00pm  More optimistic than adults? Children make optimistic future predictions for both themselves and others  
Laura Hennefield¹, Lori Markson¹  
¹Washington University in St Louis
4:00pm – 4:15pm Transition Time

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
¹Indiana University

4:35pm - 4:55 pm

Neural patterns underlying the development of planning in tool use

Ori Ossmy¹, Brianna Kaplan¹, Karen Adolph¹
¹New York University

4:55pm - 5:15 pm

Object fitting by preschool children: The dynamics of spatial coordination

Jeffrey Lockman¹, Wendy Jung¹, Bjoern Kahrs¹
¹Tulane University

5:15pm – 5:35pm

The development of the neural systems that support production and perception of handwritten forms

Karin James

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
¹University of Pennsylvania

4:35pm - 4:55 pm

Proportional Matching and Probability Judgement: Related yet Different

Ty Boyer¹, Lindsey Bradley¹, Natalie Branch¹
¹Georgia Southern University

4:55pm - 5:15pm

Both Numerical and Visuo-spatial Features Influence Binary Probability Judgments Across Development

Shaun O'Grady¹, Fei Xu¹
Symposium 7  How an Understanding of Kinship and Friendship Influences Children's Social Judgments  Chair: Julia Marshall, Yale University

4:15pm - 4:35pm  Four-year-old children favor kin when the stakes are higher  Annie Spokes¹, Elizabeth Spelke¹ ¹Harvard University

4:35pm - 4:55pm  Toddlers' expectations for social partners to respond to each other's distress  Amanda Mae Woodward¹, Jonathan Beier¹ ¹University of Maryland

4:55pm - 5:15pm  The Developing Appreciation of the Moral Significance of Close Relationships  Julia Marshall¹, Karen Wynn¹, Paul Bloom¹ ¹Yale University

5:15pm - 5:35pm  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

4:15pm - 4:35pm  Cross-cultural variation in children's risk and time preferences  Dorsa Amir¹, Matthew Jordan¹, Katherine McAuliffe², Claudia Valeggia¹, Lawrence Sugiyama³, Richard Bribiescas¹, Yarrow Dunham¹ ¹Yale University, ²Boston College, ³University of Oregon

4:35pm - 4:55pm  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

4:55pm - 5:15pm  Risk taking among Hadza hunter-gatherer children  Alyssa Crittenden¹, Victoria Tobolsky², Coren Apicella³ ¹University of Nevada, Las Vegas, ²Harvard University, ³University of Pennsylvania
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

5:45 pm – 7:00 pm  Poster Session 2 & Exhibits
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

Oral Papers III

Concepts, Categories, and Causal Learning

Chair:

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

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

Using automated controlled rearing to explore the origins of object concepts
Justin Wood¹
¹University of Southern California

Categorization of negative facial expressions in late infancy
Ashley Ruba¹, Andrew Meltzoff¹, Betty Repacholi¹
¹University of Washington

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

Transition Time

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
Educational Media Supports for Low-Income Preschoolers? Vocabulary Development
Susan Neuman¹, Kevin Wong¹, Rachel Flynn², Tanya Kaefer³
¹New York University, ²Northwestern University, ³Lakehead University

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

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 Collins³, 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

Pre-verbal Infants Perceive Emotional Facial Expressions Categorically
Disa Sauter¹, YongQi Cong¹, Caroline Junge², Evin Aktar³, Maartje Raijmakers¹, Anna Franklin⁴
¹University of Amsterdam, ²Utrecht University, ³University of Leiden, ⁴University of Sussex

Infants and preschoolers discriminate and search for probable eliciting causes of diverse positive emotions
Yang Wu¹, Paul Muentener³, Laura Schulz¹
¹MIT, ²Tufts University

Preschoolers engage in emotional perspective taking during language processing
Melanie Khu¹, Craig Chambers², Susan Graham¹
¹University of Calgary, ²University of Toronto

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
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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
<th>Affiliations</th>
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<tbody>
<tr>
<td>4:15pm - 4:35pm</td>
<td><strong>Consolidation is key for bootstrapping segmentation</strong></td>
<td>Michelle Sandoval, Rebecca Gomez¹</td>
<td>¹University of Arizona</td>
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<td>4:35pm - 4:55pm</td>
<td><strong>Children's forgetting of words mapped via mutual exclusivity</strong></td>
<td>Catherine DeBrock¹, Haley Vlach¹</td>
<td>¹University of Wisconsin-Madison</td>
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<td>4:55pm - 5:15pm</td>
<td><strong>Two-year-olds consolidate verb meanings during a nap</strong></td>
<td>Angela Xiaoaxue HE¹, Sandra Waxman², Sudha Arunachalam</td>
<td>¹Boston University, ²Northwestern University</td>
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<td>5:15pm - 5:35pm</td>
<td><strong>Declarative memory consolidation over naps in early childhood</strong></td>
<td>Rebecca Spencer¹</td>
<td>¹University of Massachusetts, Amherst</td>
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| | **Symposium 16** | Environmental influences on children’s intergroup cognition | Chair: Lori Markson, Washington University |
| 4:15pm - 4:35pm | **The influence of a diverse environment on children's social generalization**               | Stella Christie¹, Rongzhi Liu¹                                                               | ¹Swarthmore College                                |
| 4:35pm - 4:55pm | **The effects of diversity and segregation on children's inferences about others' racial attitudes** | Arianne Eason¹, Cheryl Kaiser¹, Jessica Sommerville¹                                         | ¹University of Washington                         |
| 4:55pm - 5:15pm | **Effects of Diversity on Children's Learning and Trust**                                    | Hyesung Grace Hwang¹, Lori Markson¹                                                          | ¹Washington University in St. Louis               |
| 5:15pm - 5:35pm | **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:                                                                                   |
| 4:15pm - 4:33pm | **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, ²Universita de Milano Bicocca, ³Universite 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