



# vICIS 2020 Searchable Program

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## Conference Proceedings 1 (BST)

TIME ZONES			DAY 1: JULY 6
LONDON	NEW YORK	LA	<b><u>Poster Session 1</u></b>
12:00-13:30	07:00-08:30	04:00-05:30	
13:30-15:00	08:30-10:00	05:30-07:00	<b>S.1 Early language across-cultures: Input, language processes and outcome measures</b>
			<b>Room 1</b>
			Chair: Laia Fibla, University of East Anglia
			<b>S1.1:</b> Marisa Casillas, Max Planck Institute for Psycholinguistics <i>Day-wide patterns in the use of child-directed speech in two non-Western, subsistence farming communities</i>
			<b>S1.2:</b> Camila Scaff, University of Zurich <i>Exploring conversational turns and partners among Tsimane forager-horticulturalists</i>
			<b>S1.3:</b> Alejandrina Cristia, CNRS, PSL University <i>Spontaneous vocalizations from birth to age four: Insights from a mega-analysis of 13,785 hours of audio</i>

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**S1.4:** Laia Fibla, University of East Anglia

*Early language processing and language exposure across-cultures: UK and India*

**S1 Q&A: live questions taking place during Conference Proceedings 1 (BST) with some speakers being available during Conference Proceedings 2 (PDT)**

## **S.2 Environmental influences on infant attention: A global perspective**

### **Room 2**

Chair: Sarah Lloyd-Fox, University of Cambridge

**S2.1:** Samantha McCann, King's College London

*Undernutrition in infancy impacts early brain development in The Gambia: An fNIRS study*

**S2.2:** Annie Brandes-Aitken, New York University

*Contributions of cumulative parent cortisol to the neural underpinnings of infant attention and emotion regulation*

**S2.3:** Sam Wass, University of East London

*Physiological stress, sustained attention and cognitive engagement in 12-month-old infants from urban environments*

**S2 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**



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## **S.3 Investigating the relationship between representing the self and the other in early development**

### **Room 3**

Chair: Victoria Southgate, University of Copenhagen

**S3.1:** Chiara Bulgarelli, University College London

*The role of self-awareness in selective facial mimicry of native over foreign speakers*

**S3.2:** Dora Kampis, University of Copenhagen

*The mapping of others to oneself in 16-26-old infants*

**S3.3:** Josephine Ross, University of Dundee

*Autocentric or allocentric? Exploring the co-development of self-representation and positive social behavior*

**S3.4:** Milica Nikolic, University of Amsterdam

*Implicit self-recognition in infancy predicts self-conscious emotional reactivity in childhood*

**S3 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.4 Early markers for neurodevelopmental disorders: Towards the identification of trajectories to atypical cognitive outcomes**

### **Room 4**

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Chairs: Viola Macchi Cassia, University of Milano-Bicocca & Chiara Cantiani, Scientific Institute, IRCCS Medea

**S4.1:** Valeria Costanzo, IRCCS Stella Maris Foundation  
*Social and non-social early markers of ASD: The relationship between disengagement of attention and joint attention in high-risk siblings at 12 months of life*

**S4.2:** Valentina Riva, Scientific Institute, IRCCS Medea  
*Atypical ERP responses to multisensory integration in infants at risk for Autism Spectrum Disorder*

**S4.3:** Roberta Bettoni, University of Milano-Bicocca  
*Visual implicit learning abilities in infants at familial risk for Development Language Disorder*

**S4.4:** Gaia Scherif, Oxford University  
*Understanding variable outcomes in genetic syndromes: The importance of early developmental phenotyping*

**S4 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**S.5 The rhythm of our heart and mind: Neurophysiological responses to communicative rhythms in parent-infant interactions**

**Room 5**

Chair: Trinh Nguyen, University of Vienna

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**S5.1:** Trinh Nguyen, University of Vienna  
*The role of physiological synchrony for attachment*

**S5.2:** Christina Schätz, University of Vienna  
*Effects of maternal infant-directed singing on infant physiological arousal*

**S5.3:** Ira Marriott Haresign, The University of East London  
*Mutual gaze leads to phase reorganization and concomitant short-term increases in interpersonal neural synchrony*

**S5.4:** Shir Atzil, The Hebrew University of Jerusalem (Discussant)

**S5 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

13:30-18:15

08:30-13:15

05:30-10:15

**Poster Session 1 (available on demand)**

15:15-15:30

10:15-10:30

07:15-07:30

**Welcoming remarks with ICIS President Lisa Oakes  
Room 1**

15:30-16:30

10:30-11:30

07:30-08:30

**Invited Session: Solutions for studying development in clinical settings (60 minutes with live Q&A)**

**Room 2**

Bridgette Kelleher, Purdue University  
Evelyne Mercure, Goldsmiths, University of London

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Susan Rivera, University of California Davis (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

**Webinar: How to have effective collaborations: Advice from the Manybabies team (60 minutes)**

## Room 1

Christina Bergmann, Max Planck Institute  
Kiley Hamlin, University of British Columbia  
Krista Byers-Heinlein, Concordia University  
Casey Lew Williams, Princeton (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

16:30-18:00

11:30-13:00

08:30-10:00

**S.6 Timing is everything: The temporal dynamics of labelling in typical and atypical language development**

## Room 1

Chair: Jill Lany, University of Liverpool

**S6.1:** Jill Lany, University of Liverpool  
*The temporal dynamics of labeling shape object recognition*

**S6.2:** Michael Goldstein, Cornell University

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*Relative contributions of infant-directed speech and motion when learning new words*

**S6.3:** Madhaviatha Maganti, Ashoka University

*Maternal synchronous gesture adaptations during object naming to term and preterm infants: A longitudinal study*

**S6.4:** Chi-hsin Chen, The Ohio State University

*Children's hearing loss affects the synchrony between parents' object naming and children's attention to objects in parent-child interactions*

**S6 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.7 Individual differences in attentional control and executive functions in the first two years of life**

### **Room 2**

Chair: Alexandra Hendry, University of Oxford

**S7.1:** Maria Rosario Rueda, University of Granada

*Early development of the executive attention network in infancy*

**S7.2:** Martha Ann Bell, Virginia Tech

*Monthly development of cognitive and attention inhibition in the first year*

**S7.3:** Alexandra Hendry, University of Oxford

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*Inhibitory control at 10 and 16 months on the A-not-B task and the Early Childhood Inhibitory Touchscreen Task*

**S7 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.8 Parent and child contributions to emotion regulation: Beyond main effects to complex developmental pathways**

### **Room 3**

Chair: Kaya de Barbaro, University of Texas at Austin

**S8.1:** Lauren Bailes, University of North Carolina Greensboro  
*Mother and infant contributions to infant negative emotionality over time*

**S8.2:** Kaya de Barbaro, University of Texas at Austin  
*Mama tried: Contingent responding to distress does not increase rate of real-time soothing in infants high in negative emotionality*

**S8.3:** Niyantri Ravindran, The Pennsylvania State University  
*Parental structuring of toddler negative emotion predicts children's use of distraction longitudinally*

**S8.4:** Maria Gartstein, Washington State University (Discussant)

**S8 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

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## **S.9 The role of action understanding in early sociomoral cognition**

### **Room 4**

Chair: Brandon Woo, Harvard University

**S9.1** Denis Tatone, Central European University

*Twelve-month-old infants use payoff information to disambiguate the goals of agents involved in a joint activity*

**S9.2:** Fransisca Ting, University of Illinois at Urbana-Champaign

*16-month-old infants perceive irrational individuals as having reduced moral rights*

**S9.3:** Brandon Woo, Harvard University

*Social cognition in context: Infants' evaluations of helping in means-end sequences*

**S9.4:** Elizabeth Enright, University of Illinois Urbana-Champaign

*Toddlers consider others' goals when helping others*

**S.9 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.10 The I in team: Individual differences in infancy shape social competence and prosociality**

### **Room 5**

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Chair: Jess Aitken, University of Auckland

**S10.1:** Robert Hepach, Leipzig University

*Children's positive emotions following helping others and seeing others being helped: Evidence for a developmental shift*

**S10.2:** Jess Aitken, University of Auckland

*Temperament and cooperative ability in infancy: Are effects of temperament mediated through children's social behaviour during cooperative tasks?*

**S10.3:** Amanda Brandone, Lehigh University

*Developmental pathways from infant social cognition to later prosocial behavior and theory of mind*

**S10.4:** Moritz Köster, Freie Universität Berlin

*A developmental systems approach to early helping behavior*

**S10 Q&A Robert Hepach, Amanda Brandone & Moritz Köster will be available for questions during Congress Proceedings 1 (BST). Amanda Brandone and Jess Aitken will be available for questions during Congress Proceedings 2 (PDT)**

18:00-19:00

13:00-14:00

10:00-11:00

## **End of Conference Proceedings 1 – Coffee / Cocktail hour**

Grab your drink of choice and come say hi to Lisa Oakes, ICIS President, on Gather Town. Join here: <https://gather.town/unjfipiXgCBjBfwa/vICIS>

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# vICIS 2020 Searchable Program

TIME ZONES			DAY 2: JULY 7
LONDON 12:00-13:30	NEW YORK 07:00-08:30	LA 04:00-05:30	<b><u>Poster Session 2</u></b>
13:30-15:00	08:30-10:00	05:30-07:00	<b>S.11 The origins of causal thought</b>
			<b>Room 1</b>
			Chair: Jonathan Kominsky, Rutgers University – Newark
			<b>S11.1:</b> Deon Benton, Brown University <i>Stop in the name of contact: How infants learn about the causal properties of people and objects</i>
			<b>S11.2:</b> Samantha Wood, Indiana University <i>Reverse engineering the origins of causal knowledge</i>
			<b>S11.3:</b> Katarina Begus, Rutgers University – Newark <i>Not all information is created equal: Investigating infants' sensitivity to confounded information in a causal reasoning task</i>
			<b>S11.4:</b> Jonathan Kominsky, Rutgers University – Newark <i>Disconnected causal representations in the first year of life</i>
			<b>S11 Q&amp;A: live questions taking place during Conference Proceedings 2 (PDT) only</b>



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## **S.12 The structure and function of biobehavioral synchrony in early development**

### **Room 2**

Chair: Bennett Bertenthal, Indiana University

**S12.1:** Elizabeth daSilva, Indiana University-Purdue University Columbus  
*Infant-mother physiological synchrony moderates infants' self-regulation*

**S12.2:** Stefanie Höhl, University of Vienna  
*Tuned in: Neural synchrony in mother-infant dyads*

**S12.3:** Elise Piazza, Princeton University  
*Neural synchrony predicts novel word learning from storybooks*

**S12.4:** Megan Whitehorn, UEL  
*Parental frontal brain activity tracks infant attention during shared play*

**S12 Q&A: live questions taking place during both Conference Proceedings 1 (BST) and 2 (PDT)**

## **S.13 Rhythm perception in infants: Neural, pupillary, and motor entrainment to speech**

### **Room 3**

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Chair: Judit Gervain, Université Paris Descartes

**S13.1:** Tineke M. Snijders, Max Planck Institute for Psycholinguistics  
*Tracking speech rhythm in the 7.5-month-old infant brain is related to word segmentation performance at 9 months*

**S13.2:** Áine Ní Choisdealbha, University of Cambridge  
*Changes in neural rhythmic entrainment during the first year of life*

**S13.3:** Alan Langus, University of Potsdam  
*Individual variability in pupillary entrainment predicts speech segmentation with prosodic and statistical cues in infancy*

**S13.4:** Natalie Boll-Avetisyan, University of Potsdam  
*Infants show spontaneous motor entrainment while listening to rhythmic speech*

## **S.14 Understanding infants' lives by the use of smartphones: Experience sampling and ambulatory assessment**

### **Room 4**

Chair: Stephanie Wermelinger, University of Zurich

**S14.1:** Sophie von Stumm, University of York  
*Using digital technologies for assessing infants' cognitive development in real-time*



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13:30-18:15

08:30-13:15

05:30-10:15

15:00-16:30

10:00-11:30

07:00-08:30

**S14.2:** Nivedita Mani, University of Goettingen

*Online testing technology for infant touchscreen and looking time tasks*

**S14.3:** Stephanie Wermelinger, University of Zurich

*Identifying dynamic developmental processes during infancy by using the WeltentdeckerApp*

**S14 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**Poster Session 2 (available on demand)**

**Invited Session: Secondary Data analysis of existing data files (90 minutes with live Q&A)**

**Room 1**

Michael Thomas, Birkbeck, University of London

Alex Cristia, CNRS

Marije Verhage, Vrije Universiteit Amsterdam

Sarah Jensen, Boston College (moderator)

**(live Q&A in Conference Proceedings 1 (BST) only)**

**Invited Session: Online solutions for data collection (90 minutes with live Q&A)**

**Room 2**

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16:45-18:15

11:45-13:15

08:45-10:15

Rhodri Cusack, Trinity College Dublin  
Emily Jone & Elena Throm, Birkbeck, University of London  
Caspar Addyman, Goldsmiths, University of London  
Natasha Kirkham, Birkbeck, University of London (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

## **S.15 Brain & Behavior: New insights into neural correlates of infant emotion regulation**

### **Room 1**

Chair: Courtney Filippi, University of Maryland

**S15.1:** Elina Thomas, Oregon Health and Science University  
*Newborn amygdala connectivity to prefrontal and sensory regions is associated with early emerging regulatory behavior*

**S15.2:** Courtney Filippi, University of Maryland  
*Associations between amygdala connectivity and negative reactive temperament*

**S15.3:** Chad Sylvester, Washington University  
*Maternal Anxiety and Neonatal Brain Response to Novel Sounds as Assessed with fMRI*

**S15 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

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## **S.16 Insights from outside the lab: Modeling observational data to understand language learning** **Room 2**

Chair: Mika Braginsky, Massachusetts Institute of Technology

**S16.1:** Eva Portelance, Stanford University

*Using neural network language models to predict age of acquisition for early vocabulary*

**S16.2:** Stephan Meylan, Massachusetts Institute of Technology

*Characterizing child-directed listening with corpus and model-based analyses*

**S16.3:** Mika Braginsky, Massachusetts Institute of Technology

*Characterizing the relationship between lexical and morphological development*

**S16.4:** Georgia Loukatou, CNRS, PSL University

*Assessing cross-linguistic viability of infant word segmentation models*

**S.16 Q&A: Georia Loukatou will be available for questions during Congress Proceedings 1 (BST), with Eva Portelance, Stephan Meylan & Mika Braginsky available for questions during both Congress Proceedings 2 (PDT)**

## **S.17 How multiple exemplars help infants and young children extend their knowledge**

### **Room 3**

Chair: Jane Childers, Trinity University

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**S17.1:** Susan Graham, University of Calgary  
*Multiple exemplars facilitate 9-month-olds' property generalizations*

**S17.2:** Jane Childers, Trinity University  
*Extending verbs to new events: Does the comparison of events over delays help?*

**S17.3:** Christina Schonberg, University of Wisconsin-Madison  
*Why do multiple examples help children learn words? The roles of aggregation, decontextualization, and memory dynamics*

**S.17 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

## **S.18 Child evocative effects in the context of parenting across developmental systems: A behavioral and neurophysiological perspective**

### **Room 4**

Chair: Diane Lickenbrock, Western Kentucky University

**S18.1:** Kayla Brown, The Pennsylvania State University  
*Difficult temperament profiles and externalizing behaviors: The moderating effects on harsh parenting and dyadic inconsistency*

**S18.2:** Berenice Anaya, Penn State University



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*Maternal anxiety and infant negative affect trajectories: The role of neural and environmental factors during infancy*

**S18.3:** Diane Lickenbrock, Western Kentucky University

*Infant physiological regulation with mothers and fathers: The effects of infant temperament and parent factors*

**S18 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.19 Fair's fair?: Intentions and relationships impact infants' expectations about fairness and preferences for fair individuals**

### **Room 5**

Chair: Zoe Liberman, University of California Santa Barbara

**S19.1:** Luca Surian, University of Trento

*Preverbal infants' intention-based evaluations of fairness*

**S19.2:** Anna-Elisabeth Baumann, University of Chicago

*Infants' reactions to resource distribution outcomes as a function of ingroup/outgroup manipulations and language status*

**S19.3:** Melody Buyukozer Dawkins, University of Illinois at Urbana-Champaign

*Do 4-month-olds take into account group membership when judging fair outcomes?*

**S19.4:** Zoe Liberman, University of California Santa Barbara

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*Infants predict that distributors will act partially towards their friends*

**S.19 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

18:15-19:00

13:15-14:00

10:15-11:00

**End of Conference Proceedings 2 – Coffee / Cocktail hour**

Join Agnes Kovac, to chat about social cognitive/social development, on Gather Town. Join here: <https://gather.town/unfjpiXgCBjBfwa/vICIS>

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TIME ZONES			DAY 3: JULY 8
LONDON	NEW YORK	LA	<b><u>Poster Session 3</u></b>
12:00-13:30	07:00-08:30	04:00-05:30	
13:30-15:00	08:30-10:00	05:30-07:00	<b>S.20 Enhancing our understanding of social cognition in infancy through cutting-edge technology and individualized approaches</b>
			<b>Room 1</b>
			Chair: Giorgia Bussu, Radboud University Medical Center
			<b>S20.1:</b> Maheen Siddiqui, Birkbeck, University of London <i>Spatially resolved measures of cytochrome-c-oxidase during functional activation in infants</i>
			<b>S20.2:</b> David López Pérez, Institute of Psychology, Polish Academy of Sciences <i>Efficiency of scanning in infancy in the presence and absence of faces differentially predicts expressive and receptive language in toddlers</i>
			<b>S20.3:</b> Giorgia Bussu, Radboud University Medical Center <i>An individual approach to understand the nature of face processing in early autism</i>
			<b>S20.4:</b> Anna Gui, Centre for Brain and Cognitive Development, Birkbeck College, University of London <i>Neuroadaptive optimization to study how neural signatures of attention to faces in infants relate to later autism</i>
			<b>S.20 Q&amp;A: live questions taking place during Conference Proceedings 1 (BST) only</b>

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# vICIS 2020 Searchable Program

## **S.21 Not just the linguistic factor! Associations between maternal child-directed speech and cognitive and socio-emotional competencies**

### **Room 2**

Chair: Maria Spinelli, University G. D'Annunzio Chieti-Pescara

Discussant: Kathy Hirsh-Pasek, Temple University

**S21.1:** Prachi Shah, University of Michigan  
*Parent language stimulation, parent sensitivity and socioeconomic status: Associations with curiosity*

**S21.2:** Chiara Suttora, University of Bologna  
*The role of maternal verbal input in the emergence of mental lexicon in early childhood*

**S21.3:** Maria Spinelli, University G. D'Annunzio Chieti-Pescara  
*Talk to me mum! The longitudinal effects of prosodic and linguistic characteristics of infant directed speech on the development of child attention and emotion regulation*

**S21.4:** Brianna McMillan, Temple University  
*Fluid, back-and-forth conversation sets a foundation for infant executive function skills*

**S.21 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**  
**S.22 Tips, tricks, and statistics: Recommendations for improving infant research methods**

### **Room 3**

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Chair: Lena V. Kremin, Concordia University

**S22.1:** Esther Schott, Concordia University

*Tools for transparency: Practical tips for sharing your research*

**S22.2:** Lena V. Kremin, Concordia University

*Let the data do the talking: Optimizing visualizations for transparency and readability*

**S22.3:** Nivedita Mani, University of Goettingen

*Bayesian sequential testing in developmental research*

**S22.4:** Alejandrina Cristia, ENS, EHESS, CNRS, PSL University

*Using long-form recordings to study infants' speech input and outcomes: Opportunities and challenges*

**S22 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**S.23 Building contingency: How caregiver and child characteristics relate to interactions that support infant language**

**Room 4**

Chair: Lillian Masek, Temple University

**S23.1:** Yu Chen, University of Maryland–College Park

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*Serve-and-return and infant language skills: Evidence from fathers and mothers in low-income, ethnically diverse families*

**S23.2:** Rebecca Alper, Temple University

*One is not enough: Understanding variability in early language interaction quality using parent self-efficacy and developmental knowledge profiles*

**S23.3:** Lillian Masek, Temple University

*Building fluid and connected conversation: How caregiver speech differentially relates to interaction quality*

**S23.4:** Rufan Luo, Rutgers University, Camden

*Maternal question use and child language outcomes: The moderating role of SES and children's concurrent vocabulary*

**S.23 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

13:30-18:00

08:30-13:00

05:30-10:00

**Poster Session 3 (available on demand)**

15:00-16:15

10:00-11:15

07:00-08:15

**Invited Session: Modeling development from existing data (75 minutes with Q&A)**

**Room 2**

Gert Westermann, Lancaster University

Jochen Triesch, Frankfurt Institute for Advanced Studies

Katherine Twomey, University of Manchester (moderator)

**(live Q&A in Conference Proceedings 1 (BST) only)**

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# vICIS 2020 Searchable Program

**Live Webinar: Data Repositories: Resources for studying development (75 minutes)**

## **Room 1**

Karen Adolph, New York University  
Marisa Casillas, Max Planck Institute  
Brian MacWhinney, Carnegie Mellon University  
Caitlin Fausey, University of Oregon (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

16:30-18:00

11:30-13:00

08:30-10:00

## **S.24 Novel technologies to assess language development in infants**

### **Room 1**

Chair: Julien Mayor, University of Oslo

**S24.1:** Virginia Marchman, Stanford University  
*Using web-based platforms to expand the socioeconomic reach of parent report measures of vocabulary development*

**S24.2:** Julien Mayor, University of Oslo  
*BabyLex-IRT: Estimating early vocabulary sizes using a Bayesian-inspired item-response theory approach*

**S24.3:** Camila Scaff, University of Zurich

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*Socio-economic status and word comprehension in early childhood: A study in a low inequality setting and a meta-analytic review*

**S24.4:** Amanda Seidl, Purdue University

*The development of canonical babble in a crosslinguistic and cross-cultural corpus*

**S24 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.25: Embracing new technologies to quantify early learning environments**

### **Room 2**

Chair: Sara Schroer, Indiana University

**S25.1:** Sara Schroer, Indiana University

*Hands-on learning: Toddler's multimodal attention at naming moments leads to successful word learning*

**S25.2:** George Kachergis, Stanford University

*Automatically detecting children's visual access to social information in egocentric videos*

**S25.3:** Marisa Casillas, Max Planck Institute for Psycholinguistics

*The linguistic landscapes of learning in two small-scale societies*

**S25.4:** Mira Nenchewa, Princeton University

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*Analyzing emotion in language input: Caregivers' cues to valence support toddlers' learning of emotion words*

**S.25 Q&A: live questions taking place during Conference Proceedings 1 (BST) and Conference Proceedings 2 (PDT)**

**S.26 Updates from the ManyBabies Consortium: Four collaborative replications of important findings in infancy research**

## **Room 3**

Chair: Michael Frank, Stanford University

**S26.1:** Angeline Sin Mei Tsui, Stanford University

*ManyBabies 1B: Testing bilinguals' preference for infant-directed speech*

**S26.2:** Dora Kampis, University of Copenhagen and Tobias Schuwerk, LMU Munich

*ManyBabies 2: Theory of mind in infancy*

**S26.3:** Ingmar Visser, University of Amsterdam

*ManyBabies 3: Infant rule learning: a multi-lab replication study*

**S26.4:** Kelsey Lucca, Arizona State University

*ManyBabies 4: A large-scale, multi-lab, coordinated replication study of infants' social evaluations*

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**S26 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.27 Real-world interactions in Real Time: Moment-to-moment dynamics of parent-infant joint engagement in naturalistic contexts**

### **Room 4**

Chair: Catalina Suarez-Rivera, New York University

**S27.1:** Chen Yu, Indiana University

*Multiple sensorimotor pathways to parent-infant coordinated attention in naturalistic toy play*

**S27.2:** Betina Karshaleva, University of California, San Diego

*Infant vocalizations and maternal speech in naturalistic play: Contingencies from 4 to 12 months*

**S27.3:** Catalina Suarez-Rivera, New York University

*Everyday joint engagement: Coupling of the mothers body with the infants manual actions*

**S27.4:** Jacob Schatz, New York University

*Playing and learning together: Spontaneous joint engagement scaffolds infant play at home*

**S27 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.28 Exploring the circumstances in which infants attribute dispositions to agents**

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## Room 5

Chair: Megan Pronovost, California State University, Fresno

**S28.1:** You-jung Choi, Harvard University  
*Three-month-old infants' understanding of a human agent's preference*

**S28.2:** Su-hua Wang, University of California, Santa Cruz  
*Self-experience scaffolds infants' reasoning about preference*

**S28.3:** Lin Bian, Cornell University  
*8-month-olds attribute, and expect others to attribute, strong preferences to agents*

**S28.4:** Megan Pronovost, California State University, Fresno  
*20-month-old infants' attribution of behavioral dispositions to agents*

**S.28 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

18:00-18:45

13:00-13:45

10:00-10:45

## End of Conference Proceedings 3 – Coffee / Cocktail hour

Join Diane Poulin-Dubois, to chat informally about careers and career progression, on Gather Town. Join here:

<https://gather.town/unjfjpiXgCBjBfwa/vICIS>

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# vICIS 2020 Searchable Program

## TIME ZONES

## DAY 4: JULY 9

LONDON

NEW YORK

LA

12:00-13:30

07:00-08:30

04:00-05:30

### Poster Session 4

13:30-15:00

08:30-10:00

05:30-07:00

### **S.29 Integrating computational and neuroimaging methods to investigate infant cognitive development**

#### **Room 1**

Chair: Laurie Bayet, American University

**S29.1:** Benjamin Zinszer, Princeton University

*Decoding representations of familiar objects in young infants using fNIRS*

**S29.2:** Laurie Bayet, American University

*Time-course and properties of higher-order visual representations in the infant brain*

**S29.3:** Rhodri Cusack, Trinity College Dublin

*Deep neural networks as a model of learning during the helpless period of infancy*

**S29.4:** Nicholas Turk-Browne, Yale University

*Adult-grade cognitive neuroscience in infants*

**S29 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

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# vICIS 2020 Searchable Program

## **S.30 The reciprocal roles of parents and children in organizing learning opportunities in dyadic interaction**

### **Room 2**

Chair: Steven Elmlinger, Cornell University

Discussant: Michael Goldstein, Cornell University

**S30.1:** Miriam Langeloh, Max Planck Institute for Human Cognitive and Brain Sciences  
*Are you like me? Contingent adult-infant interactions in a naturalistic dual-EEG paradigm*

**S30.2:** Steven Elmlinger, Cornell University  
*The development of prelinguistic vocal sequences: implications for early communication and language*

**S30.3:** Sara Schroer, Indiana University  
*Toddler vocalizations shape the structure of parent-child interactions*

**S30.4:** Katharina Rohlfing, Paderborn University  
*Do maternal vocalizations scaffold children to take up an active role in peekaboo routine?*

**S.30 Q&A: All presenters available to take questions during Conference Proceedings 1 (BST). Steven Elmlinger, Sara Schroer, and Katharina Rolfing are available during Conference Proceedings 2 (PDT). Discussant: Michael Goldstein is available for both Q&A sessions**



# vICIS 2020 Searchable Program

## **S.31 Fine-grained environmental data illuminate the process of language learning**

### **Room 3**

Chair: Daniel Swingley, University of Pennsylvania

**S31.1** Daniel Swingley, University of Pennsylvania

*How learning word-forms could guide infants to phonetic categories: New evidence from English*

**S31.2:** Catherine Tamis-LeMonda, New York University

*The food for thought: Unpacking the everyday language experiences of infants*

**S31.3:** Chen Yu, Indiana University

*Rethinking input: The infant's view challenges the problem of referential uncertainty in early word learning*

**S31.4:** Emmanuel Dupoux, EHESS

*Reverse engineering early language acquisition: Can machine learning help?*

**S31 Q&A: live questions taking place with all speakers during Conference Proceedings 1 (BST), with some speakers being available during Conference Proceedings 2 (PDT)**

## **S.32 What can video coding tell us about infant development?**

**Methodological examples and new results from two preterm infant cohorts**

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# vICIS 2020 Searchable Program

## Room 4

Chair: Sue Fletcher-Watson, University of Edinburgh

**S32.1:** Bethan Dean, University of Edinburgh

*Longitudinal assessment of social cognition in infants born preterm using eye-tracking and parent-child play*

**S32.2:** Sinead O'Carroll, University of Edinburgh

*Frequency and type of parental gesture during parent-child play is influenced by socioeconomic status and gestational age at birth*

**S32.3:** Lorna Ginnell, University of Edinburgh

*Reduced emotional response to the still-face paradigm in preterm infants*

**S.32 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.33 Parent-infant interaction styles in diverse populations and their impact on infant development**

## Room 5

Chair: Sarah Lloyd-Fox, Cambridge University

**S33.1:** Bosiljka Milosavljevic, Birkbeck, University of London

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# vICIS 2020 Searchable Program

*Mother-infant interactions, maternal mental health and infant cognitive outcomes in The Gambia*

**S33.2:** Ciara Kelly, University of Sheffield  
*The communication of deaf infants with hearing parents*

**S33.3:** Evelyne Mercure, Goldsmiths, University of London  
*Deaf mothers and their hearing infants: Social interaction, maternal sensitivity and language development*

**S33.4:** Atsushi Senju, Birkbeck, University of London  
*Development of social attention and communication in infants of blind parents*

**S.33 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

13:30-18:00

08:30-13:00

05:30-10:00

**Poster Session 4 (available on demand)**

15:00-16:30

10:00-11:30

07:00-08:30

**Invited Session: Solutions for studying early language development (90 minutes with live Q&A)**

## **Room 2**

Katie Alcock, Lancaster University

Mike Frank, Stanford

Elizabeth Norton, Northwestern

Jessica Horst, University of Sussex (moderator)

**(live Q&A in Conference Proceedings 1 (BST) only)**

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# vICIS 2020 Searchable Program

## Webinar: Stress and Development live webinar (75 minutes)

### Room 1

Marion van den Heuvel, Tilburg University  
Dima Amso, Brown University  
Natasha Kirkham, Birkbeck, University of London  
Brittney Chere, Birkbeck, University of London (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

16:30-18:00

11:30-13:00

08:30-10:00

## S.34 Parent-infant interactions and language development in infants with communication disorders

### Room 1

Chair: Yuanyuan Wang, Ohio State University

**S34.1 :** Yuanyuan Wang, Ohio State University

*The effects of hearing loss on the social feedback loop in infants with cochlear implants*

**S34.2:** Girija Kadlaskar, Purdue University

*Caregiver touch-speech communication and infant responses in 12-month-olds at high risk for autism spectrum disorder*

**S34.4:** Derek Houston, The Ohio State University

*Parent-infant interactions and word-learning skills in deaf infants with cochlear implants*

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# vICIS 2020 Searchable Program

**S34 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.35 Novel approaches to electroencephalogram (EEG) lateralization: Beyond traditional asymmetry**

### **Room 2**

Chair: Maria Gartstein, Washington State University

**S35.1:** Maria Gartstein, Washington State University

*EEG frontal asymmetry changes during emotion-eliciting tasks and parent-child interaction dynamics*

**S35.2:** Ross Vanderwert, Cardiff University

*Individual differences in frontal asymmetry while viewing emotion faces: A capability model approach*

**S35.3:** Martha Ann Bell, Virginia Tech

*Predictors of level of negative affect after arm restraint at 5 months*

**S35.4:** Nancy Jones, Florida Atlantic University

*Infant neurophysiological patterns and temperament are linked to maternal depressive symptoms*



# vICIS 2020 Searchable Program

**S.35 Q&A: Ross Vanderwert will be available for questions during Congress Proceedings 1 (BST), with Maria Gartstein, Martha Ann Bell and Nancy Jones available for questions during Congress Proceedings 2 (PDT)**

## **S.36 Learning 'hard words': The role of conceptual representations when the tough gets tougher**

### **Room 3**

Chair: Laura Lakusta, Montclair State University

**S36.1:** Nicolò Cesana Arlotti, Johns Hopkins University  
*An investigation of the origins of logical quantification: Infant's (and adult's) representations of exhaustivity in collective or individual complex actions*

**S36.2:** Ariel Starr, University of Washington  
*Spatial metaphor facilitates word learning*

**S36.3:** Laura Lakusta, Montclair State University  
*Getting support for 'support': The privileging of 'Support-From-Below' in early spatial language acquisition*

**S.36 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

## **S.37 Cultural differences in mind-mindedness and infant-mother interaction**

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# vICIS 2020 Searchable Program

## Room 4

Chair: Elizabeth Meins, University of York

**S37.1:** Catherine McMahon, Macquarie University  
*Cross-cultural comparison of maternal mind-mindedness among Australian and Chinese mothers of toddlers*

**S37.2:** Yujin Lee, University of York  
*How does culture and empathy relate to mothers' mind-mindedness?*

**S37.3:** Nao Fujita, University of Cambridge  
*A cross-cultural comparison of maternal mind-mindedness and speech characteristics between Japan and the UK*

**S37.4:** Katie Slocombe, University of York  
*Cross-cultural differences in mother-infant play behaviour*

**S.37 Q&A:** Katie Slocombe, Nao Fujita and Yujin Lee will be available for questions during Congress Proceedings 1 (BST), with Cathy McMahon being available for questions during Congress Proceedings 2 (PDT)

**S.38 Better safe than sorry: Infants' use of social information to reason and learn about threat**

## Room 5

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# vICIS 2020 Searchable Program

Chair: Shari Liu, Harvard University

**S38.1:** Shari Liu, Harvard University

*Dangerous ground: Thirteen-month-old infants are sensitive to peril in other people's actions*

**S38.2:** Camille Rioux, Max Planck Institute for Human Development

*Social information reduces infants' avoidance of plants*

**S38.3:** Tobias Grossmann, University of Virginia

*Friend or foe? Impression formation in the human infant brain*

**S38.4:** Zoe Liberman, University of California Santa Barbara

*Not all negative emotions are equal: Infants selectively attend to threat*

**S.38 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

18:00-19:00

13:00-14:00

10:00-11:00

**End of Conference Proceedings 4 – Coffee / Cocktail hour**

Join Natasha Kirkham and Denis Mareschal to a chat about the first virtual ICIS, on Gather Town. Join here: <https://gather.town/unjfjpiXgCBjBfwa/vICIS>

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# vICIS 2020 Searchable Program

## Conference Proceedings 2 (PST)

TIME ZONES			DAY 1: JULY 6
LA	NEW YORK	LONDON	<b><u>Poster Session 1</u></b>
11:00-12:30	14:00-15:30	19:00-20:30	
12:30-14:00	15:30-17:00	20:30-22:00	<b>S.1 Early language across-cultures: Input, language processes and outcome measures</b>
			<b>Room 1</b>
			Chair: Laia Fibla, University of East Anglia
			<b>S1.1:</b> Marisa Casillas, Max Planck Institute for Psycholinguistics <i>Day-wide patterns in the use of child-directed speech in two non-Western, subsistence farming communities</i>
			<b>S1.2:</b> Camila Scaff, University of Zurich <i>Exploring conversational turns and partners among Tsimane forager-horticulturalists</i>
			<b>S1.3:</b> Alejandrina Cristia, CNRS, PSL University <i>Spontaneous vocalizations from birth to age four: Insights from a mega-analysis of 13,785 hours of audio</i>
			<b>S1.4:</b> Laia Fibla, University of East Anglia <i>Early language processing and language exposure across-cultures: UK and India</i>

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# vICIS 2020 Searchable Program

**S1 Q&A: live questions taking place during Conference Proceedings 1 (BST) with some speakers being available during Conference Proceedings 2 (PDT)**

## **S.2 Environmental influences on infant attention: A global perspective**

### **Room 2**

Chair: Sarah Lloyd-Fox, University of Cambridge

**S2.1:** Samantha McCann, King's College London

*Undernutrition in infancy impacts early brain development in The Gambia: An fNIRS study*

**S2.2:** Annie Brandes-Aitken, New York University

*Contributions of cumulative parent cortisol to the neural underpinnings of infant attention and emotion regulation*

**S2.3:** Sam Wass, University of East London

*Physiological stress, sustained attention and cognitive engagement in 12-month-old infants from urban environments*

**S2 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**



# vICIS 2020 Searchable Program

## **S.3 Investigating the relationship between representing the self and the other in early development**

### **Room 3**

Chair: Victoria Southgate, University of Copenhagen

**S3.1:** Chiara Bulgarelli, University College London

*The role of self-awareness in selective facial mimicry of native over foreign speakers*

**S3.2:** Dora Kampis, University of Copenhagen

*The mapping of others to oneself in 16-26-old infants*

**S3.3:** Josephine Ross, University of Dundee

*Autocentric or allocentric? Exploring the co-development of self-representation and positive social behavior*

**S3.4:** Milica Nikolic, University of Amsterdam

*Implicit self-recognition in infancy predicts self-conscious emotional reactivity in childhood*

**S3 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.4 Early markers for neurodevelopmental disorders: Towards the identification of trajectories to atypical cognitive outcomes**

### **Room 4**

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# vICIS 2020 Searchable Program

Chairs: Viola Macchi Cassia, University of Milano-Bicocca & Chiara Cantiani, Scientific Institute, IRCCS Medea

**S4.1:** Valeria Costanzo, IRCCS Stella Maris Foundation  
*Social and non-social early markers of ASD: The relationship between disengagement of attention and joint attention in high-risk siblings at 12 months of life*

**S4.2:** Valentina Riva, Scientific Institute, IRCCS Medea  
*Atypical ERP responses to multisensory integration in infants at risk for Autism Spectrum Disorder*

**S4.3:** Roberta Bettoni, University of Milano-Bicocca  
*Visual implicit learning abilities in infants at familial risk for Development Language Disorder*

**S4.4:** Gaia Scherif, Oxford University  
*Understanding variable outcomes in genetic syndromes: The importance of early developmental phenotyping*

**S4 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**S.5 The rhythm of our heart and mind: Neurophysiological responses to communicative rhythms in parent-infant interactions**

**Room 5**

Chair: Trinh Nguyen, University of Vienna

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# vICIS 2020 Searchable Program

**S5.1:** Trinh Nguyen, University of Vienna  
*The role of physiological synchrony for attachment*

**S5.2:** Christina Schätz, University of Vienna  
*Effects of maternal infant-directed singing on infant physiological arousal*

**S5.3:** Ira Marriott Haresign, The University of East London  
*Mutual gaze leads to phase reorganization and concomitant short-term increases in interpersonal neural synchrony*

**S5.4:** Shir Atzil, The Hebrew University of Jerusalem (Discussant)

**S5 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

12:30-17:00

15:30-20:00

20:30-01:00

**Poster Session 1 (available on demand)**

14:00-14:30

17:00-17:30

22:00-22:30

**Welcoming remarks with ICIS President Lisa Oakes  
Room 1**

14:30-15:30

17:30-18:30

22:30-23:30

**Invited Session: Solutions for studying development in clinical settings**

**Room 2**

Bridgette Kelleher, Purdue University  
Evelyne Mercure, Goldsmiths, University of London  
Susan Rivera, University of California Davis (moderator)

**(live Q&A in Conference Proceedings 1 (BST) only)**

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# vICIS 2020 Searchable Program

## **Recorded Webinar: How to have effective collaborations: Advice from the Manybabies team**

### **Room 1**

Christina Bergmann, Max Planck Institute  
Kiley Hamlin, University of British Columbia  
Krista Byers-Heinlein, Concordia University  
Casey Lew Williams, Princeton (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

15:30-17:00

18:30-20:00

23:30-01:00

## **S.6 Timing is everything: The temporal dynamics of labelling in typical and atypical language development**

### **Room 1**

Chair: Jill Lany, University of Liverpool

**S6.1:** Jill Lany, University of Liverpool  
*The temporal dynamics of labeling shape object recognition*

**S6.2:** Michael Goldstein, Cornell University  
*Relative contributions of infant-directed speech and motion when learning new words*

**S6.3:** Madhaviatha Maganti, Ashoka University  
*Maternal synchronous gesture adaptations during object naming to term and preterm infants: A longitudinal study*

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**S6.4:** Chi-hsin Chen, The Ohio State University

*Children's hearing loss affects the synchrony between parents' object naming and children's attention to objects in parent-child interactions*

**S6 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.7 Individual differences in attentional control and executive functions in the first two years of life**

### **Room 2**

Chair: Alexandra Hendry, University of Oxford

**S7.1:** Maria Rosario Rueda, University of Granada

*Early development of the executive attention network in infancy*

**S7.2:** Martha Ann Bell, Virginia Tech

*Monthly development of cognitive and attention inhibition in the first year*

**S7.3:** Alexandra Hendry, University of Oxford

*Inhibitory control at 10 and 16 months on the A-not-B task and the Early Childhood Inhibitory Touchscreen Task*

**S7 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**



# vICIS 2020 Searchable Program

## **S.8 Parent and child contributions to emotion regulation: Beyond main effects to complex developmental pathways**

### **Room 3**

Chair: Kaya de Barbaro, University of Texas at Austin

**S8.1:** Lauren Bailes, University of North Carolina Greensboro  
*Mother and infant contributions to infant negative emotionality over time*

**S8.2:** Kaya de Barbaro, University of Texas at Austin  
*Mama tried: Contingent responding to distress does not increase rate of real-time soothing in infants high in negative emotionality*

**S8.3:** Niyantri Ravindran, The Pennsylvania State University  
*Parental structuring of toddler negative emotion predicts children's use of distraction longitudinally*

**S8.4:** Maria Gartstein, Washington State University (Discussant)

**S8 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.9 The role of action understanding in early sociomoral cognition**

### **Room 4**

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# vICIS 2020 Searchable Program

Chair: Brandon Woo, Harvard University

**S9.1** Denis Tatone, Central European University

*Twelve-month-old infants use payoff information to disambiguate the goals of agents involved in a joint activity*

**S9.2:** Fransisca Ting, University of Illinois at Urbana-Champaign

*16-month-old infants perceive irrational individuals as having reduced moral rights*

**S9.3:** Brandon Woo, Harvard University

*Social cognition in context: Infants' evaluations of helping in means-end sequences*

**S9.4:** Elizabeth Enright, University of Illinois Urbana-Champaign

*Toddlers consider others' goals when helping others*

**S.9 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**S.10 The I in team: Individual differences in infancy shape social competence and prosociality**

**Room 5**

Chair: Jess Aitken, University of Auckland

**S10.1:** Robert Hepach, Leipzig University

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# vICIS 2020 Searchable Program

*Children's positive emotions following helping others and seeing others being helped:  
Evidence for a developmental shift*

**S10.2:** Jess Aitken, University of Auckland

*Temperament and cooperative ability in infancy: Are effects of temperament mediated through children's social behaviour during cooperative tasks?*

**S10.3:** Amanda Brandone, Lehigh University

*Developmental pathways from infant social cognition to later prosocial behavior and theory of mind*

**S10.4:** Moritz Köster, Freie Universität Berlin

*A developmental systems approach to early helping behavior*

**S.10 Q&A: Robert Hepach, Amanda Brandone & Moritz Köster will be available for questions during Congress Proceedings 1 (BST), with Amanda Brandone available for questions during both Congress Proceedings 1 (BST) and 2 (PDT)**

**End of Conference Proceedings 1**

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# vICIS 2020 Searchable Program

TIME ZONES			DAY 2: JULY 7
LA	NEW YORK	LONDON	<b><u>Poster Session 2</u></b>
11:00-12:30	14:00-15:30	19:00-20:30	
12:30-14:00	15:30-17:00	20:30-22:00	<b>S.11 The origins of causal thought</b>
			<b>Room 1</b>
			Chair: Jonathan Kominsky, Rutgers University – Newark
			<b>S11.1:</b> Deon Benton, Brown University <i>Stop in the name of contact: How infants learn about the causal properties of people and objects</i>
			<b>S11.2:</b> Samantha Wood, Indiana University <i>Reverse engineering the origins of causal knowledge</i>
			<b>S11.3:</b> Katarina Begus, Rutgers University – Newark <i>Not all information is created equal: Investigating infants' sensitivity to confounded information in a causal reasoning task</i>
			<b>S11.4:</b> Jonathan Kominsky, Rutgers University – Newark <i>Disconnected causal representations in the first year of life</i>
			<b>S11 Q&amp;A: live questions taking place during Conference Proceedings 2 (PDT) only</b>



# vICIS 2020 Searchable Program

## **S.12 The structure and function of biobehavioral synchrony in early development**

### **Room 2**

Chair: Bennett Bertenthal, Indiana University

**S12.1:** Elizabeth daSilva, Indiana University-Purdue University Columbus  
*Infant-mother physiological synchrony moderates infants' self-regulation*

**S12.2:** Stefanie Höhl, University of Vienna  
*Tuned in: Neural synchrony in mother-infant dyads*

**S12.3:** Elise Piazza, Princeton University  
*Neural synchrony predicts novel word learning from storybooks*

**S12.4:** Megan Whitehorn, UEL  
*Parental frontal brain activity tracks infant attention during shared play*

**S12 Q&A: live questions taking place during both Conference Proceedings 1 (BST) and 2 (PDT)**

## **S.13 Rhythm perception in infants: Neural, pupillary, and motor entrainment to speech**

### **Room 3**

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Chair: Judit Gervain, Université Paris Descartes

**S13.1:** Tineke M. Snijders, Max Planck Institute for Psycholinguistics  
*Tracking speech rhythm in the 7.5 month old infant brain is related to word segmentation performance at 9 months*

**S13.2:** Áine Ní Choisdealbha, University of Cambridge  
*Changes in neural rhythmic entrainment during the first year of life*

**S13.3:** Alan Langus, University of Potsdam  
*Individual variability in pupillary entrainment predicts speech segmentation with prosodic and statistical cues in infancy*

**S13.4:** Natalie Boll-Avetisyan, University of Potsdam  
*Infants show spontaneous motor entrainment while listening to rhythmic speech*

## **S.14 Understanding infants' lives by the use of smartphones: Experience sampling and ambulatory assessment**

### **Room 4**

Chair: Stephanie Wermelinger, University of Zurich

**S14.1:** Sophie von Stumm, University of York  
*Using digital technologies for assessing infants' cognitive development in real-time*



# vICIS 2020 Searchable Program

**S14.2:** Nivedita Mani, University of Goettingen  
*Online testing technology for infant touchscreen and looking time tasks*

**S14.3:** Stephanie Wermelinger, University of Zurich  
*Identifying dynamic developmental processes during infancy by using the WeltentdeckerApp*

**S14 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

12:30-17:15

15:30-20:15

20:30-01:15

**Poster Session 2 (available on demand)**

14:00-15:30

17:00-18:30

22:00-23:30

**Invited Session: Secondary Data analysis of existing data files**

## **Room 1**

Michael Thomas, Birkbeck, University of London

Alex Cristia, CNRS

Marije Verhage, Vrije Universiteit Amsterdam

Sarah Jensen, Boston College (moderator)

**(live Q&A in Conference Proceedings 1 (BST) only)**

**Invited Session: Online solutions for data collection**

## **Room 2**

Rhodri Cusack, Trinity College Dublin

Emily Jone & Elena Throm, Birkbeck, University of London

Caspar Addyman, Goldsmiths, University of London

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# vICIS 2020 Searchable Program

15:45-17:15

18:45-20:15

23:45-01:15

Natasha Kirkham, Birkbeck, University of London (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

## **S.15 Brain & Behavior: New insights into neural correlates of infant emotion regulation**

### **Room 1**

Chair: Courtney Filippi, University of Maryland

**S15.1:** Elina Thomas, Oregon Health and Science University  
*Newborn amygdala connectivity to prefrontal and sensory regions is associated with early emerging regulatory behavior*

**S15.2:** Courtney Filippi, University of Maryland  
*Associations between amygdala connectivity and negative reactive temperament*

**S15.3:** Chad Sylvester, Washington University  
*Maternal Anxiety and Neonatal Brain Response to Novel Sounds as Assessed with fMRI*

**S15 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.16 Insights from outside the lab: Modeling observational data to understand language learning**

### **Room 2**

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Chair: Mika Braginsky, Massachusetts Institute of Technology

**S16.1:** Eva Portelance, Stanford University

*Using neural network language models to predict age of acquisition for early vocabulary*

**S16.2:** Stephan Meylan, Massachusetts Institute of Technology

*Characterizing child-directed listening with corpus and model-based analyses*

**S16.3:** Mika Braginsky, Massachusetts Institute of Technology

*Characterizing the relationship between lexical and morphological development*

**S16.4:** Georgia Loukatou, CNRS, PSL University

*Assessing cross-linguistic viability of infant word segmentation models*

**S.16 Q&A: Georia Loukatou will be available for questions during Congress Proceedings 1 (BST), with Eva Portelance, Stephan Meylan & Mika Braginsky available for questions during both Congress Proceedings 2 (PDT)**

**S.17 How multiple exemplars help infants and young children extend their knowledge**

**Room 3**

Chair: Jane Childers, Trinity University

**S17.1:** Susan Graham, University of Calgary

*Multiple exemplars facilitate 9-month-olds' property generalizations*

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**S17.2:** Jane Childers, Trinity University

*Extending verbs to new events: Does the comparison of events over delays help?*

**S17.3:** Christina Schonberg, University of Wisconsin-Madison

*Why do multiple examples help children learn words? The roles of aggregation, decontextualization, and memory dynamics*

**S.17 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

## **S.18 Child evocative effects in the context of parenting across developmental systems: A behavioral and neurophysiological perspective**

### **Room 4**

Chair: Diane Lickenbrock, Western Kentucky University

**S18.1:** Kayla Brown, The Pennsylvania State University

*Difficult temperament profiles and externalizing behaviors: The moderating effects on harsh parenting and dyadic inconsistency*

**S18.2:** Berenice Anaya, Penn State University

*Maternal anxiety and infant negative affect trajectories: The role of neural and environmental factors during infancy*

**S18.3:** Diane Lickenbrock, Western Kentucky University

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*Infant physiological regulation with mothers and fathers: The effects of infant temperament and parent factors*

**S18 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.19 Fair's fair?: Intentions and relationships impact infants' expectations about fairness and preferences for fair individuals**

### **Room 5**

Chair: Zoe Liberman, University of California Santa Barbara

**S19.1:** Luca Surian, University of Trento  
*Preverbal infants' intention-based evaluations of fairness*

**S19.2:** Anna-Elisabeth Baumann, University of Chicago  
*Infants' reactions to resource distribution outcomes as a function of ingroup/outgroup manipulations and language status*

**S19.3:** Melody Buyukozer Dawkins, University of Illinois at Urbana-Champaign  
*Do 4-month-olds take into account group membership when judging fair outcomes?*

**S19.4:** Zoe Liberman, University of California Santa Barbara  
*Infants predict that distributors will act partially towards their friends*

**S.19 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**End of Conference Proceedings 2**

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# vICIS 2020 Searchable Program

## TIME ZONES

LA	NEW YORK	LONDON
11:00-12:30	14:00-15:30	19:00-20:30
12:30-14:00	15:30-17:00	20:30-22:00

## DAY 3: JULY 8

### Poster Session 3

### **S.20 Enhancing our understanding of social cognition in infancy through cutting-edge technology and individualized approaches**

#### **Room 1**

Chair: Giorgia Bussu, Radboud University Medical Center

**S20.1:** Maheen Siddiqui, Birkbeck, University of London  
*Spatially resolved measures of cytochrome-c-oxidase during functional activation in infants*

**S20.2:** David López Pérez, Institute of Psychology, Polish Academy of Sciences  
*Efficiency of scanning in infancy in the presence and absence of faces differentially predicts expressive and receptive language in toddlers*

**S20.3:** Giorgia Bussu, Radboud University Medical Center  
*An individual approach to understand the nature of face processing in early autism*

**S20.4:** Anna Gui, Centre for Brain and Cognitive Development, Birkbeck College, University of London  
*Neuroadaptive optimization to study how neural signatures of attention to faces in infants relate to later autism*

**S.20 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

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# vICIS 2020 Searchable Program

## **S.21 Not just the linguistic factor! Associations between maternal child-directed speech and cognitive and socio-emotional competencies**

### **Room 2**

Chair: Maria Spinelli, University G. D'Annunzio Chieti-Pescara

Discussant: Kathy Hirsh-Pasek, Temple University

**S21.1:** Prachi Shah, University of Michigan  
*Parent language stimulation, parent sensitivity and socioeconomic status: Associations with curiosity*

**S21.2:** Chiara Suttora, University of Bologna  
*The role of maternal verbal input in the emergence of mental lexicon in early childhood*

**S21.3:** Maria Spinelli, University G. D'Annunzio Chieti-Pescara  
*Talk to me mum! The longitudinal effects of prosodic and linguistic characteristics of infant directed speech on the development of child attention and emotion regulation*

**S21.4:** Brianna McMillan, Temple University  
*Fluid, back-and-forth conversation sets a foundation for infant executive function skills*

**S.21 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**



# vICIS 2020 Searchable Program

## **S.22 Tips, tricks, and statistics: Recommendations for improving infant research methods**

### **Room 3**

Chair: Lena V. Kremin, Concordia University

**S22.1:** Esther Schott, Concordia University

*Tools for transparency: Practical tips for sharing your research*

**S22.2:** Lena V. Kremin, Concordia University

*Let the data do the talking: Optimizing visualizations for transparency and readability*

**S22.3:** Nivedita Mani, University of Goettingen

*Bayesian sequential testing in developmental research*

**S22.4:** Alejandrina Cristia, ENS, EHESS, CNRS, PSL University

*Using long-form recordings to study infants' speech input and outcomes: Opportunities and challenges*

**S22 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.23 Building contingency: How caregiver and child characteristics relate to interactions that support infant language**

### **Room 4**

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Chair: Lillian Masek, Temple University

**S23.1:** Yu Chen, University of Maryland–College Park  
*Serve-and-return and infant language skills: Evidence from fathers and mothers in low-income, ethnically diverse families*

**S23.2:** Rebecca Alper, Temple University  
*One is not enough: Understanding variability in early language interaction quality using parent self-efficacy and developmental knowledge profiles*

**S23.3:** Lillian Masek, Temple University  
*Building fluid and connected conversation: How caregiver speech differentially relates to interaction quality*

**S23.4:** Rufan Luo, Rutgers University, Camden  
*Maternal question use and child language outcomes: The moderating role of SES and children's concurrent vocabulary*

**S.23 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

12:30-17:00

15:30-20:00

20:30-01:00

**Poster Session 3** (available on demand)

14:00-15:15

10:00-11:15

22:00-23:15

**Invited Session: Modeling development from existing data**

**Room 2**

Gert Westermann, Lancaster University

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# vICIS 2020 Searchable Program

Jochen Triesch, Frankfurt Institute for Advanced Studies  
Katherine Twomey, University of Manchester (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

## **Recorded Webinar: Data Repositories: Resources for studying development**

### **Room 1**

Karen Adolph, New York University  
Marisa Casillas, Max Planck Institute  
Brian MacWhinney, Carnegie Mellon University  
Caitlin Fausey, University of Oregon (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

15:30-17:00

17:00-18:15

23:30-01:00

## **S.24 Novel technologies to assess language development in infants**

### **Room 1**

Chair: Julien Mayor, University of Oslo

**S24.1:** Virginia Marchman, Stanford University  
*Using web-based platforms to expand the socioeconomic reach of parent report measures of vocabulary development*

**S24.2:** Julien Mayor, University of Oslo  
*BabyLex-IRT: Estimating early vocabulary sizes using a Bayesian-inspired item-response theory approach*

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# vICIS 2020 Searchable Program

**S24.3:** Camila Scaff, University of Zurich  
*Socio-economic status and word comprehension in early childhood: A study in a low inequality setting and a meta-analytic review*

**S24.4:** Amanda Seidl, Purdue University  
*The development of canonical babble in a crosslinguistic and cross-cultural corpus*

**S24 Q&A:** live questions taking place during Conference Proceedings 1 (BST) only

## **S.25: Embracing new technologies to quantify early learning environments**

### **Room 2**

Chair: Sara Schroer, Indiana University

**S25.1:** Sara Schroer, Indiana University  
*Hands-on learning: Toddler's multimodal attention at naming moments leads to successful word learning*

**S25.2:** George Kachergis, Stanford University  
*Automatically detecting children's visual access to social information in egocentric videos*

**S25.3:** Marisa Casillas, Max Planck Institute for Psycholinguistics  
*The linguistic landscapes of learning in two small-scale societies*



# vICIS 2020 Searchable Program

**S25.4:** Mira Nancheva, Princeton University

*Analyzing emotion in language input: Caregivers' cues to valence support toddlers' learning of emotion words*

**S.25 Q&A: live questions taking place during Conference Proceedings 1 (BST) and Conference Proceedings 2 (PDT)**

**S.26 Updates from the ManyBabies Consortium: Four collaborative replications of important findings in infancy research**

## **Room 3**

Chair: Michael Frank, Stanford University

**S26.1:** Angeline Sin Mei Tsui, Stanford University

*ManyBabies 1B: Testing bilinguals' preference for infant-directed speech*

**S26.2:** Dora Kampis, University of Copenhagen and Tobias Schuwerk, LMU Munich

*ManyBabies 2: Theory of mind in infancy*

**S26.3:** Ingmar Visser, University of Amsterdam

*ManyBabies 3: Infant rule learning: a multi-lab replication study*

**S26.4:** Kelsey Lucca, Arizona State University

*ManyBabies 4: A large-scale, multi-lab, coordinated replication study of infants' social evaluations*

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**S26 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.27 Real-world interactions in Real Time: Moment-to-moment dynamics of parent-infant joint engagement in naturalistic contexts**

### **Room 4**

Chair: Catalina Suarez-Rivera, New York University

**S27.1:** Chen Yu, Indiana University

*Multiple sensorimotor pathways to parent-infant coordinated attention in naturalistic toy play*

**S27.2:** Betina Karshaleva, University of California, San Diego

*Infant vocalizations and maternal speech in naturalistic play: Contingencies from 4 to 12 months*

**S27.3:** Catalina Suarez-Rivera, New York University

*Everyday joint engagement: Coupling of the mothers body with the infants manual actions*

**S27.4:** Jacob Schatz, New York University

*Playing and learning together: Spontaneous joint engagement scaffolds infant play at home*

**S27 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**



# vICIS 2020 Searchable Program

## **S.28 Exploring the circumstances in which infants attribute dispositions to agents**

### **Room 5**

Chair: Megan Pronovost, California State University, Fresno

**S28.1:** You-jung Choi, Harvard University

*Three-month-old infants' understanding of a human agent's preference*

**S28.2:** Su-hua Wang, University of California, Santa Cruz

*Self-experience scaffolds infants' reasoning about preference*

**S28.3:** Lin Bian, Cornell University

*8-month-olds attribute, and expect others to attribute, strong preferences to agents*

**S28.4:** Megan Pronovost, California State University, Fresno

*20-month-old infants' attribution of behavioral dispositions to agents*

**S.28 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

### **End of Conference Proceedings 3**

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# vICIS 2020 Searchable Program

## TIME ZONES

## DAY 4: JULY 9

LA	NEW YORK	LONDON
11:00-12:30	14:00-15:30	19:00-20:30
12:30-14:00	15:30-17:00	20:30-22:00

### Poster Session 4

### **S.29 Integrating computational and neuroimaging methods to investigate infant cognitive development**

#### **Room 1**

Chair: Laurie Bayet, American University

**S29.1:** Benjamin Zinszer, Princeton University  
*Decoding representations of familiar objects in young infants using fNIRS*

**S29.2:** Laurie Bayet, American University  
*Time-course and properties of higher-order visual representations in the infant brain*

**S29.3:** Rhodri Cusack, Trinity College Dublin  
*Deep neural networks as a model of learning during the helpless period of infancy*

**S29.4:** Nicholas Turk-Browne, Yale University  
*Adult-grade cognitive neuroscience in infants*

**S29 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

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# vICIS 2020 Searchable Program

## **S.30 The reciprocal roles of parents and children in organizing learning opportunities in dyadic interaction**

### **Room 2**

Chair: Steven Elmlinger, Cornell University

Discussant: Michael Goldstein, Cornell University

**S30.1:** Miriam Langeloh, Max Planck Institute for Human Cognitive and Brain Sciences  
*Are you like me? Contingent adult-infant interactions in a naturalistic dual-EEG paradigm*

**S30.2:** Steven Elmlinger, Cornell University  
*The development of prelinguistic vocal sequences: implications for early communication and language*

**S30.3:** Sara Schroer, Indiana University  
*Toddler vocalizations shape the structure of parent-child interactions*

**S30.4:** Katharina Rohlfing, Paderborn University  
*Do maternal vocalizations scaffold children to take up an active role in peekaboo routine?*

**S.30 Q&A: All presenters available to take questions during Conference Proceedings 1 (BST). Steven Elmlinger, Sara Schroer, and Katharina Rolfing are available during Conference Proceedings 2 (PDT). Discussant: Michael Goldstein is available for both Q&A sessions**



# vICIS 2020 Searchable Program

## **S.31 Fine-grained environmental data illuminate the process of language learning**

### **Room 3**

Chair: Daniel Swingley, University of Pennsylvania

**S31.1** Daniel Swingley, University of Pennsylvania

*How learning word-forms could guide infants to phonetic categories: New evidence from English*

**S31.2:** Catherine Tamis-LeMonda, New York University

*The food for thought: Unpacking the everyday language experiences of infants*

**S31.3:** Chen Yu, Indiana University

*Rethinking input: The infant's view challenges the problem of referential uncertainty in early word learning*

**S31.4:** Emmanuel Dupoux, EHESS

*Reverse engineering early language acquisition: Can machine learning help?*

**S31 Q&A: live questions taking place with all speakers during Conference Proceedings 1 (BST), with some speakers being available during Conference Proceedings 2 (PDT)**

## **S.32 What can video coding tell us about infant development?**

**Methodological examples and new results from two preterm infant cohorts**

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# vICIS 2020 Searchable Program

## Room 4

Chair: Sue Fletcher-Watson, University of Edinburgh

**S32.1:** Bethan Dean, University of Edinburgh

*Longitudinal assessment of social cognition in infants born preterm using eye-tracking and parent-child play*

**S32.2:** Sinead O'Carroll, University of Edinburgh

*Frequency and type of parental gesture during parent-child play is influenced by socioeconomic status and gestational age at birth*

**S32.3:** Lorna Ginnell, University of Edinburgh

*Reduced emotional response to the still-face paradigm in preterm infants*

**S.32 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

## **S.33 Parent-infant interaction styles in diverse populations and their impact on infant development**

## Room 5

Chair: Sarah Lloyd-Fox, Cambridge University

**S33.1:** Bosiljka Milosavljevic, Birkbeck, University of London

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*Mother-infant interactions, maternal mental health and infant cognitive outcomes in The Gambia*

**S33.2:** Ciara Kelly, University of Sheffield  
*The communication of deaf infants with hearing parents*

**S33.3:** Evelyne Mercure, Goldsmiths, University of London  
*Deaf mothers and their hearing infants: Social interaction, maternal sensitivity and language development*

**S33.4:** Atsushi Senju, Birkbeck, University of London  
*Development of social attention and communication in infants of blind parents*

**S.33 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

12:30-17:00

15:30-20:00

20:30-01:00

**Poster Session 4 (available on demand)**

14:00-15:30

17:00-18:30

22:00-22:30

**Invited Session: Solutions for studying early language development**

## **Room 1**

Katie Alcock, Lancaster University

Mike Frank, Stanford

Elizabeth Norton, Northwestern

Jessica Horst, University of Sussex (moderator)

**(live Q&A in Conference Proceedings 1 (BST) only)**

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## Recorded webinar: Stress and Development

### Room 2

Marion van den Heuvel, Tilburg University  
Dima Amso, Brown University  
Natasha Kirkham, Birkbeck, University of London  
Brittney Chere, Birkbeck, University of London (moderator)  
**(live Q&A in Conference Proceedings 1 (BST) only)**

15:30-17:00

18:30-20:00

23:30-01:00

## **S.34 Parent-infant interactions and language development in infants with communication disorders**

### Room 1

Chair: Yuanyuan Wang, Ohio State University

**S34.1 :** Yuanyuan Wang, Ohio State University

*The effects of hearing loss on the social feedback loop in infants with cochlear implants*

**S34.2:** Girija Kadlaskar, Purdue University

*Caregiver touch-speech communication and infant responses in 12-month-olds at high risk for autism spectrum disorder*

**S34.4:** Derek Houston, The Ohio State University

*Parent-infant interactions and word-learning skills in deaf infants with cochlear implants*

**S34 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

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# vICIS 2020 Searchable Program

## **S.35 Novel approaches to electroencephalogram (EEG) lateralization: Beyond traditional asymmetry**

### **Room 2**

Chair: Maria Gartstein, Washington State University

**S35.1:** Maria Gartstein, Washington State University

*EEG frontal asymmetry changes during emotion-eliciting tasks and parent-child interaction dynamics*

**S35.2:** Ross Vanderwert, Cardiff University

*Individual differences in frontal asymmetry while viewing emotion faces: A capability model approach*

**S35.3:** Martha Ann Bell, Virginia Tech

*Predictors of level of negative affect after arm restraint at 5 months*

**S35.4:** Nancy Jones, Florida Atlantic University

*Infant neurophysiological patterns and temperament are linked to maternal depressive symptoms*

**S.35 Q&A: Ross Vanderwert will be available for questions during Congress Proceedings 1 (BST), with Maria Gartstein, Martha Ann Bell and Nancy Jones available for questions during Congress Proceedings 2 (PDT)**



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## **S.36 Learning 'hard words': The role of conceptual representations when the tough gets tougher**

### **Room 3**

Chair: Laura Lakusta, Montclair State University

**S36.1:** Nicolò Cesana Arlotti, Johns Hopkins University  
*An investigation of the origins of logical quantification: Infant's (and adult's) representations of exhaustivity in collective or individual complex actions*

**S36.2:** Ariel Starr, University of Washington  
*Spatial metaphor facilitates word learning*

**S36.3:** Laura Lakusta, Montclair State University  
*Getting support for 'support': The privileging of 'Support-From-Below' in early spatial language acquisition*

**S.36 Q&A: live questions taking place during Conference Proceedings 2 (PDT) only**

## **S.37 Cultural differences in mind-mindedness and infant-mother interaction**

### **Room 4**

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Chair: Elizabeth Meins, University of York

**S37.1:** Catherine McMahon, Macquarie University

*Cross-cultural comparison of maternal mind-mindedness among Australian and Chinese mothers of toddlers*

**S37.2:** Yujin Lee, University of York

*How does culture and empathy relate to mothers' mind-mindedness?*

**S37.3:** Nao Fujita, University of Cambridge

*A cross-cultural comparison of maternal mind-mindedness and speech characteristics between Japan and the UK*

**S37.4:** Katie Slocombe, University of York

*Cross-cultural differences in mother-infant play behaviour*

**S.37 Q&A: Katie Slocombe, Nao Fujita and Yujin Lee will be available for questions during Congress Proceedings 1 (BST), with Cathy McMahon being available for questions during Congress Proceedings 2 (PDT)**

**S.38 Better safe than sorry: Infants' use of social information to reason and learn about threat**

**Room 5**

Chair: Shari Liu, Harvard University

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**S38.1:** Shari Liu, Harvard University

*Dangerous ground: Thirteen-month-old infants are sensitive to peril in other people's actions*

**S38.2:** Camille Rioux, Max Planck Institute for Human Development

*Social information reduces infants' avoidance of plants*

**S38.3:** Tobias Grossmann, University of Virginia

*Friend or foe? Impression formation in the human infant brain*

**S38.4:** Zoe Liberman, University of California Santa Barbara

*Not all negative emotions are equal: Infants selectively attend to threat*

**S.38 Q&A: live questions taking place during Conference Proceedings 1 (BST) only**

**End of Conference Proceedings 4**

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