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Welcome from the President

Welcome to the 25th Meeting of the International Congress on Infant Studies here in beautiful Panama City. We are delighted to gather together to share in the science and scholarship of ICIS, and the vibrant culture that make this location so special. Panama City offers a rich history and a unique blend of cultures; from its stunning scenery to its exceptional food, there is so much to experience. The international spirit of our congress is especially evident this year, and I am proud that we are meeting here. With over 550 members in attendance, this is an opportunity to showcase research, learn from one another, build connections, and explore this remarkable city.

This year's theme, Development in Context, has been thoughtfully brought to life by our outstanding programme committee—Ori Ossmy, Natalie Brito, Ana Carmiol, and Silvia Benavides Varela. I am deeply grateful for their dedication and expertise in creating such an engaging programme. They have curated an exciting lineup of keynote talks, invited and submitted symposia, paper sessions, and posters. I would also like to extend my sincere thanks to the many chairs and reviewers who generously contributed their time and expertise to evaluate submissions. The result is a rich and diverse programme, carefully designed to foster both learning and meaningful exchange.

As highlighted by this year's theme, infant development does not occur in isolation; it is shaped by the varied contexts in which babies grow and learn. The world offers a wide range of environments and experiences, all of which influence developmental pathways. The work presented here reflects this diversity, with researchers from around the globe bringing their unique perspectives to our shared understanding of development.

Of course, a conference always goes beyond just the research programme. ICIS XXV would not have been possible without the exceptional logistical support of Podium Conference Specialists who have managed every detail with care and professionalism, from the venue to the conference app and social events. I am also grateful to Sam Putnam for overseeing the undergraduate travel awards and

organising an outstanding programme for our newest members, and to Jessica Bradshaw for arranging our distinguished and posthumous awards. In addition, members of the ICIS Board have supported graduate student travel, helping to bring the next generation of infancy researchers to this meeting. I encourage you to take the time to connect with them during the conference. This year we say a massive thank you to our leaving board members – Rachel Barr, Vanessa LoBue, Kiley Hamlin, and Koraly Perez-Edgar. I cannot overemphasise the amount of work and time they have put into this congress during their years on the board, and I am so grateful for all their support. Please come to our Business Meeting and Awards Ceremony on Thursday to say thank you to them and to welcome our new members.

We are also pleased to host our Early Career Session on Tuesday morning, featuring ten early career researchers—an exciting opportunity to reflect on the field's future.

I personally fell in love with Panama City during a visit in 2024, and I hope you will have the chance to explore all that it offers. The UNESCO World Heritage site of Casco Viejo, with its striking architecture, cobblestone streets, and outstanding restaurants, is not to be missed. The city's diverse culinary scene has earned it recognition as a UNESCO Creative City of Gastronomy. A visit to the Panama Canal is truly unforgettable, and for those who enjoy nature, Parque Natural Metropolitano offers the chance to explore a protected tropical rainforest right within the city—where you might even spot sloths.

Finally, I encourage you to attend the civic reception on Tuesday evening at the Riu Plaza. It will be a wonderful opportunity to connect, exchange ideas, and continue building the relationships that make our community so strong.

Welcome, and I wish you an inspiring and enjoyable conference.

Natasha Kirkham

Birkbeck, University of London



Welcome from the Program Chairs

Welcome to the 25th meeting of the International Congress of Infant Studies! We are delighted to welcome you to Panama City for ICIS 2026. We look forward to an exciting week of scientific exchange, new collaborations, and conversations about the future of infancy research.

This year's theme grew from a simple idea: no infant develops in isolation. Every smile, every shift in gaze, every gesture, and every act of exploration unfolds within relationships, families, communities, and cultures. Development is shaped not only by infants' immediate experiences, but also by the broader social, economic, environmental, and cultural conditions that surround them. This conviction inspired this year's conference theme, *Infancy in Context*.

Across the field, researchers are asking increasingly ambitious questions about how infants learn, communicate, and connect with others while also examining how these processes are influenced by caregiving, language, migration, health, technology, inequality, and culture. Understanding infant development requires understanding the worlds in which development takes place. We hope this meeting highlights both the remarkable progress our field has made and the exciting opportunities that lie ahead.

The scientific program reflects this broad perspective. Our invited speakers represent diverse disciplines, methodological approaches, and regions of the world, with research spanning developmental neuroscience, social and emotional development, language, education, public health, and policy. Together they reflect the interdisciplinary and globally informed science that this year's theme seeks to encourage.

This year's meeting is especially meaningful because it marks ICIS's first gathering in Latin America and also its first meeting in the Global South. Panama has long been a place of connection, between continents,

cultures, languages, and ideas, and we could not imagine a more fitting setting for a conference devoted to understanding the many contexts in which infants grow and develop. We hope that gathering here will broaden not only the geographical reach of our society, but also the perspectives, experiences, and voices that shape our science.

Hosting ICIS in Panama also offers an opportunity to make the meeting itself more accessible. For the first time, presentations in the main lecture hall will include live translation into both Spanish and Portuguese, allowing more researchers to participate fully in our shared scientific discussions. We hope this is one step toward making ICIS an increasingly global community that welcomes researchers working across different languages and cultural contexts.

Supporting the next generation of infancy researchers has also been one of our priorities. Alongside the many opportunities for students and early-career researchers to present their work, receive feedback, and connect with colleagues, we are especially excited to feature an invited session highlighting outstanding early-career scholars whose work is helping to shape the future of our field.

Of course, some of the most meaningful conversations happen outside the lecture halls. We encourage you to take advantage of the coffee breaks, poster sessions, lunches, and evening events to meet colleagues from different disciplines and parts of the world. Many of the collaborations and friendships that define our careers begin with a conversation over coffee or an introduction after a talk, and we hope this meeting creates many opportunities for those connections to grow.

We hope you will also take time to experience Panama City and its surrounding region, from its rich history and vibrant culture to its remarkable biodiversity and the iconic Panama Canal. And if all you need is a break, Panama offers excellent options:





ocean views, tropical birds, warm breezes, and the reassuring reminder that some things can move slowly (unlike conference schedules).

Whether you're inspired by a symposium, beginning a collaboration, or exploring the city with colleagues, we hope you enjoy all that ICIS 2026 and Panama have to offer!

Natalie Hiromi Brito, *Columbia University*

Ana M. Carmiol, *Universidad de Costa Rica*

Silvia Benavides-Varela, *Padova University*

Ori Ossmy Birkbeck *University of London*



ICIS Leadership

President	Natasha Kirkham	<i>Birkbeck, University of London</i>
President-Elect	Jessica Sommerville	<i>University of Toronto</i>
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Koraly Perez-Edgar (2020 – 2026)	<i>Penn State</i>
Jessica Bradshaw (2022 – 2028)	<i>University of South Carolina</i>
Agnes Kovacs (2022 – 2028)	<i>Central European University</i>
Victoria Leong (2022 – 2028)	<i>Nanyang Technological University</i>
Samuel Putnam (2022 – 2028)	<i>Bowdoin College</i>
Victoria Southgate (2022 – 2028)	<i>University of Copenhagen</i>
Leher Singh (2024-2030)	<i>National University of Singapore</i>
Sam Wass (2024-2030)	<i>University of East London</i>



ICIS Committees

2026 PROGRAM COMMITTEE

Natalie Hiromi Brito, Silvia Benavides-Varela,
Ana M. Carmiol and Ori Ossmy

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Chaired by Jessica Bradshaw

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ICIS Administration

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Podium Conference Specialists

Mariscchal DeArmond, Adminsitrator
Cendrine De Vis, Senior Association Manager
Derek Jardine, Conference Manager
Sebastien Lavoie, Junior Conference Manager



Program at a Glance

International Conference on Infant Studies - Program Schedule

General Conference Information

Conference Location

Hotel Riu Plaza Panama

Calle 50 con 53 este,

Urb. Marbella - Ciudad de Panamá

All conference sessions will take place in this location

WIFI access

There is WIFI available for ICIS delegates in the meeting space. Please follow the login details below:

Wireless Network: **RiuEvents**

Password: **EventosR!u+2026**

Registration

Conference registration fees include access to all sessions including keynote, oral, symposium and poster sessions. Registration also includes all refreshment breaks.

Name badges

Your name badge is your admission ticket to the conference sessions, coffee breaks, receptions. Please wear it at all times. At the end of the conference, we ask that you recycle your name badge in one of the name badge recycling stations that will be set out or leave it at the registration desk.

Lost name badges

There is a \$25 replacement fee for any lost or missing name badges – If you've lost your name badge, visit the registration desk for a replacement as soon as possible.

Registration and information desk hours

The ICIS registration and information desk, in the Main Foyer will be open during the following dates and times:

- Monday, July 6 8:00am – 4:00pm
- Tuesday, July 7 7:30am – 6:00pm
- Wednesday, July 8 8:00am – 6:15pm
- Thursday, July 9 8:00am – 5:00pm

If you need assistance during the conference, please visit the registration desk.

Poster information

Set-up / removal

There are three poster sessions during the meeting and posters have been allocated to one of the sessions based on poster themes. Poster presenters must set-up and remove their posters during the following times:

Poster Session 1 – Tuesday, July 7

- Poster hours: 3.30pm – 4.45pm
- Poster set-up: 8.00 – 9.00am
(posters will be on display all day)
- Removal of all posters by: 5:45pm

Poster Session 2 – Wednesday, July 8

- Poster hours: 5.00pm – 6.15pm
- Poster set-up: 8.00am – 9.00am
(posters will be on display all day)
- Removal of all posters by: 6.30pm

Poster Session 3 – Thursday, July 9

- Poster hours: 3.30pm – 4.45pm
- Poster set-up: 8.00am – 9.00am
(posters will be on display all day)
- Removal of all posters by: 6.15pm



Pre-Conference Workshops

Monday, July 6

Detailed information on the pre-conference workshops can be found [here](#).

9:00am – 4:00pm

Barcelona 1

Workshop 1 (Full Day)

Diffuse optical mapping of human brain function
using neurodot and oxi: A hands-on course

Emma Speh, *Washington University in St. Louis*

Adam Eggebrecht, *Washington University in St. Louis*

Ari Segel, *Washington University in St. Louis*

9:00am – 12:00pm

Barcelona 2

Workshop 2 (Morning)

From screen to scene: Shared principles in screen-based
and head-mounted eye-tracking

Tommaso Ghilardi, *Birkbeck, University of London*

Francesco Poli, *University of Cambridge*

Giulia Serino Birkbeck, *University of London*

Barcelona 3

Workshop 3 (Morning)

Implementing the NIH baby toolbox in large-scale
and international research

Miriam Novack, *Northwestern University Feinberg School of Medicine*

Julie Kable, *Emory University*

Alexandra Potter, *University of Vermont*

Andrea Aguiar, *University of Illinois at Urbana-Champaign*

Alison Hipwell, *University of Pittsburgh*

Richard Gershon, *Northwestern University*

1:00pm – 4:00pm

Barcelona 2

Workshop 4 (Afternoon)

Introduction to ERPLAB toolbox and ERPLAB studio

Steve Luck, *University of California, Davis*



Detailed Program

Tuesday, July 7

8.00am – 9.00am

Amsterdam

Undergraduate Breakfast (invitation only)

9.00am – 10.30am

Berlin 1

Breakout Session 1

Symposium 1.1 – Role of motor development on infant perception

Words with a view: Infant body position shapes opportunities for word learning

Joshua Schneider, *New York University*

Using a novel motor interference paradigm to investigate mechanisms for the perception-production link in infancy

Áine Ní Choisdealbha, *University of Cambridge*

Experience shapes functional connectivity during action observation in the first year of life

Haerin Chung, *Boston Children's Hospital*

Investigating the neural underpinnings of motor-perceptual development at infancy

Sayani Banerjee, *University of Regensburg*

Panama 4

Symposium 1.2 – Measuring bilingual language environments using long form recordings

Comparing LENA to VTC-ALICE: Measurement differences are larger in bilingual households

Allen Chang, *University of Washington, Department of Linguistics*

What predicts bilingual children's vocabularies? Using daylong recordings to examine the joint contributions of relative language exposure and conversational turns

Adriana Weisleder, *Northwestern University*

Syllables, not words or minutes: using syllables to achieve cross-linguistic and cross-speaker validity of infant language input in diverse environments

Meg Cychosz, *Stanford University*



Measuring bilingual language input with LENA: Methodological challenges and possible solutions

Melissa Donati, *Basque Center on Cognition Brain and Language (BCBL)*

Barcelona 1

Symposium 1.3 – The role of other children in language development

The role of older siblings on infant language exposure

Maily Galindo, *University of Illinois at Urbana-Champaign*

Speech to and around younger infants in play sessions with older siblings

Federica Bulgarelli, *University at Buffalo*

Networks of social interaction at preschool

Claire Bergey, *Stanford University*

When do children adapt their speech for younger listeners?:

Findings from three subsistence communities

Camila Scaff, *University of Zurich / ENS, EHESS, CNRS, PSL University*

Barcelona 2

Symposium 1.4 – Infant Exploration as epistemic foraging

How infants learn the value of information (and to forage for it)

Francesco Poli, *University of Cambridge*

Infants as active explorers: Motor burstiness and visual complexity in early development

Dean D'Souza, *Cardiff University*

Epistemic foraging across days: How Infants build predictive play worlds

Hadar Karmazyn Raz, *Indiana University*

The social-cultural opportunity filter of infant exploration & learning

Catherine Tamis-LeMonda, *New York University*

Barcelona 3

Symposium 1.5 – Before birth: The prenatal foundations of psychological development

Exploring anticipatory visual responding in the human fetus

Jessica Leov, *University of Essex*

Revealing fetal and newborn sensory responses using optically pumped magnetometers (OPM-MEG)

Chiara Capparini, *Université Libre de Bruxelles*

Understanding emerging temperament through fetal behaviour and maternal perception

Kirsty Dunn, *Lancaster University*



Barcelona 4/5

Symposium 1.6 – Infants' categorization in naturalistic conditions

**Evaluating the role of temporal structure in early category learning:
The influence and active generation of clustered schedules in toddlerhood**

Elena Altmann, *University of Göttingen*

Phonetic reduction and infants' language-driven object categorization

Caroline Beech, *Princeton University*

Infant Learning in context: The Role of labels in real-life category formation

Barbara Zapir, *University of East Anglia*

Panama 1-3

Symposium 1.7 – Infant temperament × caregiving: Multilevel pathways to early psychopathology and resilience

**Infant temperament reactivity and early maternal sensitivity
interactively shape neural responsivity to deviance: Implications for
pathways to anxiety**

Jiayin Xing, *New York University*

**Feelings of connection moderate the association between infant
temperament and emerging psychopathology**

Josie Douglas-Brown, *Vanderbilt University*

**Dyadic mother-infant affective states and delta-beta coupling:
understanding infant brain-behavior associations in the proximal context**

Berenice Anaya, *Washington University in St. Louis*

**Early infant temperament changes as predictors of early
psychopathological symptoms**

Joshua Underwood, *Washington State University*

Berlin 2

Oral Session 1 - Memory, executive function, and representational learning

**O1.1 - Teaching 21-month-olds to form precise representations of sets
of four items**

Yi Lin, *Northwestern University*

**O1.2 - Early false-belief understanding in infancy: evidence from a
dual-identity task with 16- to 34-month-old children**

David Buttelmann, *University of Bern*

**O1.3 - The ADAM task: A novel method for measuring early phonological
working memory in infancy**

Chiara Nascimben, *Università di Padova*



O1.4 - Iconic and beat gestures support ordinal memory in toddlerhood

Koleen Mccrink, *Barnard College - Columbia University*

O1.5 - The effect of bilingual environments on symbolic play in the second year

Krystal Alvarez-Hernandez, *Northwestern University*

O1.6 - Development of inhibitory control, working memory and cognitive flexibility on the transition between infancy and toddlerhood

Karla Holmboe, *University of Bristol*

O1.7 - Embedding executive function into play activities

Patricia Blasco, *Oregon Health & Science University*

O1.8 - Building early memory networks: Associative inference and ontogenetic changes in associative transfer

Kimberly Cuevas, *University of Connecticut*

O1.9 - Following eye gaze through time: assessing visual short-term memory in 14- and 20-month-old infants

Van Pham, *University of California*

10.30am – 11.00am

Coffee Break

11.00am – 12.30pm

Breakout Session 2

Barcelona 2

Symposium 2.1 – Born to learn: New evidence in fetal and neonatal cognition

Mapping the parameters of fetal response to external stimuli

Vincent Reid, *University of Waikato*

Neonatal sleep and learning: The role of sleep stages in the processing of auditory stimuli

Emma Visibelli, *University of Padova*

What is speech for the newborn brain?

Judit Gervain, *Università di Padova*

Newborns' sensitivity to pointing gestures

Luca Surian, *University of Trento*

Barcelona 1

Symposium 2.2 – How infants decide to persist: Understanding motivational drivers in early problem solving

Priming exploration increases infants' persistence

Grace Sun, *University of Toronto*



**Toddlers' persistence in information seeking is uncertainty-driven:
A pupillometry study**

Yi Lin Li, *Central European University*

Developmental changes in infants' rational deployment of effort

Jaemin Hwang, *University of Toronto*

Panama 1-3

**Symposium 2.3 – Early caregiving influences on child
socioemotional development: Evidence From diverse
latin american contexts**

**Rethinking early learning inputs: Why stimulation matters for
socioemotional adjustment at 12 months**

Fernanda Prieto, *Pontificia Universidad Católica de Chile*

**Father-child relationship quality and paternal involvement in children's
socioemotional development: A parental dynamics analysis**

Jaime Castro, *Pontificia Universidad Católica de Chile*

**Beyond behavior: Differential longitudinal effects of parenting beliefs
on child development**

Magaly Nóbrega, *Pontifical Catholic University of Peru*

Barcelona 3

**Symposium 2.4 – Building blocks for learning: Self-generated
activity in toddlers with Down syndrome**

**Object manipulation and caregiver labeling: Dyadic play in infants
with Down Syndrome**

Kaityn Contino, *Boston University*

**Young children with Down Syndrome show less object-specific
differentiation in manual sampling**

Agata Kozioł, *Polish Academy of Sciences*

Characterizing spontaneous locomotion in infants with Down Syndrome

Juliette Pope, *University of Southern California*

Measuring deictic gesture use in toddlers with Down Syndrome over time

Laura Mattie, *University of Illinois at Urbana-Champaign*

Barcelona 4/5

**Symposium 2.5 – Rethinking verb learning: Integrating multiple
methods for new insights**

Electrophysiological evidence of infants' understanding of verbs

Kelsey Frewin, *University of East Anglia*

**Infant motor actions disambiguate verb meaning: Evidence from a
human simulation paradigm**

Kelsey West, *University of Alabama*



The Role of attention in verb learning: Insights from head-mounted eye tracking during everyday activity

Brianna Kaplan, *University of Texas at Austin*

Panama 4

Early Career Session

EC1 - Developmental timing and emotional context differentiate the effects of dyadic physiological synchrony on infant neural and autonomic function

Annie Aitken, *New York University*

EC2 - Early predictors of infant emotion regulation capacity: Preconception, prenatal, and early caregiving environments

Yu Chen, *University of North Carolina at Greensboro*

EC3 - Everyday dynamics of infant vocalization and speech input in the United States and India

Yannan Hu, *Indiana University Bloomington*

EC4 - Infants on display: Caregiver presence shapes motor skill expression

Joshua Schneider, *New York University*

EC5 - Infants' food word meanings reflect their recent experiences

Haley Weaver, *Boston University*

EC6 - Infants' multimodal emotion processing in context: Associations with family expressiveness at 6–8 months

Chuchu Jia, *Università di Padova*

EC7 - Neural systems that support reinforcement learning in the infant brain

Juliana Trach, *Yale University*

EC8 - The buffering effect of familism on the association between prenatal depressive symptoms and infant sleep

Kenia Rivera, *Marquette University*

EC9 - The developmental roots of volatility learning: behavioral, electrophysiological, and computational evidence from 11-month-old infants

Dimana Atanassova, *Radboud University*

EC10 - Knowledge vs. ignorance-based violation of expectation in toddlers and adults: A combined pupillometry and looking time study

Martin Zettersten, *University of California*

12.30pm – 2.00pm

Lunch on own



2.00pm – 3.30pm

Breakout Session 3

Panama 1-3

Climate Change Session with Gustaf Gredebäck and Renate Strehlau ([click for speaker biographies](#))

Panama 4

Symposium 3.1 – Visual rhythms in infant environments: implications for attention, learning, and communication

Infants' tracking of and attention to visual rhythmic speech in the first year of life is related to language development

Áine Ní Choisdealbha, *University College Dublin*

Neural tracking of rhythmic biological motion in infants

Alicja Brzozowska, *University of Vienna*

Effects of temporal predictability on attention and word-object association learning: A pupillometry study

Giada Basset, *University of Milano*

Barcelona 1

Symposium 3.2 – The emergence of object category knowledge: indicators and potential processes of concept formation

Neural markers of prior category knowledge: Decoding object representations using multivariate approaches to infant EEG

Kelsey Frewin, *University of East Anglia*

Measuring infants' existing category knowledge and its link to vocabulary using an implicit match-to-sample task

Jade Archer, *University of East Anglia*

When cues shape concepts: Labels guide category formation before representations are learned

Ricarda Bothe, *Georg-August Universität Göttingen*

Evidence of categorical knowledge acquisition from distributional information in 5-month-old infants

Ana Fló, *University of Padova*

Barcelona 2

Symposium 3.3 – Vocal agency in social and communicative development

The origins of vocal communication: Culture-specific developmental pathways and social contingency mechanisms

Laura Diprossimo, *University of Münster*

Beyond temporal contingency: The acoustic and pragmatic features of caregiver responses that predict infant vocal engagement

Giovanni Esposito, *University of East London*



The social origins of vocal sequence learning in songbirds and human infants

Steven Elmlinger, *Princeton University*

The role of vocal experience and parental contingency on infant vocal self-recognition and communicative development

Margherita Belia, *Université Grenoble Alpes*

Barcelona 3

Symposium 3.4 – Infants in unpredictable contexts: Environmental, physiological, and behavioral influences on early development

The role of the environmental context on unpredictable parenting

Özlü Aran, *Northeastern University*

From infancy to toddlerhood: Maternal unpredictability and child emotional reactivity in a southwestern ugandan cohort

María José Garzón, *Universität Regensburg*

Developmental increase in the coupling between physiology and semantic surprisal in naturalistic interactions

Katie Lancaster, *University of East London*

Listening for quiet: Infant self-initiated vocalisations as compensatory responses to decreasing auditory environmental stimulation

María José Peñaherrera-Vélez, *University of East London*

Barcelona 4/5

Symposium 3.5 – ‘Wild with Emotion’: New frontiers in understanding the contextualized emotion processing development in infancy

From motion to emotion: Cascades from motor milestones to emotional input

Shannon Brady, *Rutgers University-Newark*

Linguistic emotion information in everyday activity contexts

Mira Nencheva, *Stanford University*

Developing sensitivity to facial expressions in the wild: A multimodal, contextualized egocentric approach

Yisi Zhang, *Tsinghua University*

Shame on you! The socialization of self-conscious emotions in early childhood

Ashton Allen, *Brigham Young University*



Berlin 1

Oral Session 2 – Visual and face processing

O2.1 - Multivariate decoding of EEG data reveals sensitivities to object-scene congruence in young infants

Zhen Zeng, *Western Sydney University*

O2.2 - Emotion word comprehension from faces and bodies: Evidence from a looking-while-listening task

Hanqi Chen, *University of Toronto*

O2.3 - The impact of audiovisual synchrony on neural correlates of infant face recognition

Aslı Bursalıoğlu, *Northwestern University*

O2.4 - Innate face preference in the human newborn: Empirical fact or mostly myth? A systematic review

Nicholas Wilkinson, *Independent Researcher*

O2.5 - Influence of surgical masks on spontaneous face preference in full-term newborns and infants born premature

Océane Astic, *Université Grenoble Alpes*

O2.6 - Does gender incongruity influence face recognition?

Julie Fehrenbach, *Université Grenoble Alpes*

O2.7 - Infant sensitivity to the coffer visual illusion across early development

Michael Martinsen, *Chuo Univeristy*

O2.8 - The effects of background, face direction, and animal running postures on implied motion adaptation in infants

Riku Umekawa, *Chuo University*

O2.9 - ManyBabies 5 Meta: A systematic review and meta-analysis of infant looking time preferences for novel vs. familiar visual stimuli

Martin Zettersten, *University of California*

3.30pm – 4.45pm

Foyer 1

Poster Session 1

4.45pm – 5.45pm

Panama 1-3

Presidential Address

5.45pm – 6.45pm

Barcelona 1-5

Welcome Reception



Wednesday, July 8

9.00am – 10.30am

Breakout Session 4

Panama 1-3

Global South Session with Leher Singh and Marigen Narea
([click for speaker biographies](#))

Panama 4

Symposium 4.1 – Using wearable devices and machine learning for multimodal investigations of infant development in naturalistic contexts

OpenBabyographer: An open-source infant wearable for naturalistic audio-visual data collection

Yueyan Tang, *University of California*

How caregivers shape infant movement: Using wearables for real-time quantification of infant restraint

Hanzhi Wang, *University of California*

The decoupling of physiological arousal and vocalisation across early development

Giovanni Esposito, *University of East London*

Making machine learning accessible for developmental science: The case of automated face detection

Hana D'Souza, *Cardiff University*

Barcelona 1

Symposium 4.2 – Multimodal and multi-scale dynamics in early infant-caregiver interactions

Four-month mother-infant self- and interactive contingency and four-year child internalizing problems and maternal depression and anxiety on four-year child emotion regulation difficulties and internalizing problems and mother anxiety/depression

Jennifer Somers, *Auburn University*

Longer timescales reveal contextual differences in infant-mother rsa coherence

Grace Steffen, *University of Georgia*

From salience to semantics: Multilevel hierarchical contingencies organise parent-infant joint attention

Pierre Labendzki, *University of East London*

Infants' coordination of their gazing and smiling in real time changes over development and varies by partner

Eliala Alice Salvadori, *University of Amsterdam*



Barcelona 2

Symposium 4.3 – What do we know about the bilingual brain? Novel insights from neuroimaging techniques in the study of early bilingualism

The effects of prenatal and early postnatal linguistic and musical environment on the neural encoding of speech sounds

Carles Escera, *University of Barcelona*

Cortical tracking of native and non-native speech by monolingual and bilingual infants during the first year of life

Giulia Mornati, *Basque Center on Cognition Brain and Language (BCBL)*

Fast Mapping across languages: Neural signatures of word learning in English-Spanish bilingual toddlers

Maria Arredondo, *University of Texas at Austin*

Barcelona 3

Symposium 4.4 – New insights into infants' everyday social-emotional inputs drawn from naturalistic recordings of real-world interactions

The social ecology of early language: How family proximity scaffolds communication in the first 1,000 days

Brooke Ryan, *Princeton University*

How do infants learn about emotions? An investigation of natural facial and language input

Vanessa LoBue, *Rutgers University*

Infants' everyday emotional exposures are shaped by activity context and maternal mental health

Kaya De Barbaro, *University of Texas at Austin*

Everyday language input across infancy predicts attachment security at 12 months

Kathryn Humphreys, *Vanderbilt University*

Barcelona 4/5

Symposium 4.5 – Prenatal maternal distress shapes early brain function: evidence across infancy and early childhood

Dysregulated maternal anxiety during pregnancy influences frontal cortex asymmetry in infants

Sarah Banker, *NYU Grossman School of Medicine*

The association between prenatal depression symptoms and infant EEG power at 7 months

Özlü Aran, *University of Denver*

Associations between prenatal maternal stress and functional brain activity at age 3

Sonya Troller-Renfree, *Teachers College, Columbia University*



Berlin 1

Oral Session 3 – Attention, learning, and regulatory state

O3.1 - Closing the loop on early learning: using infant neurofeedback to reveal causal neural mechanisms

Cachal Neuburger, *Tel Aviv University*

O3.2 - Investigating the influence of infant-directed speech on attention and visual processing using ERPs and gamma activity

Milena Marx, *Heidelberg University*

O3.3 - The role of infant visual attention in the development of frontal EEG alpha power in early childhood

Isabela De La Rosa, *Virginia Tech*

O3.4 - Another participant excluded? The impact of tiredness on infants' task performance

Tamara Bastianello, *Università di Padova*

O3.5 - Caregiver predictability and infant looking relationships are associated with nucleus accumbens and hippocampus volumes early in life

Claudia Espinoza-Heredia, *Columbia University*

O3.6 - Cognitive and social drivers of infant attention: Information gain and caregiver behavior for 9-month-olds' sustained attention

Olesia Moiseenko, *Radboud University*

O3.7 - Longitudinal development of top-down attention from 6 to 18 months: Brain, temperament, and caregiving influences

M Rosario Rueda, *University of Granada*

O3.8 - Multidimensional physiological states of infant visual attention

Manash Sahoo, *University of Houston*

O3.9 - Predictors of gaze shifting and attention in young deaf signing children

Emily Saunders, *Boston University*

O3.10 - The receptive behaviors of Joint Attention: Beyond western knowledge

Martina Bovo, *University of Bologna*

10.30am – 11.00am

Coffee Break

11.00am – 12.00pm

Panama 1-3

Keynote 1 – Understanding and supporting infant development in humanitarian contexts

Hirokazu Yoshikawa, *New York University* ([click for speaker biographies](#))

12.00pm – 1.30pm

Lunch on own



1.30pm – 3.00pm

Barcelona 1

Breakout Session 5

Symposium 5.1 – Lessons from AI for infant learning

**Curiosity-driven development of language and action in robots:
Scalable compositional learning and emergent exception handling**

Jun Tani, *Okinawa Institute of Science and Technology (OIST)*

How curiosity and scaffolding shape infant minds

Francesco Poli, *University of Cambridge*

**Learning foundational representations in early infancy:
Insights from neuroimaging and artificial intelligence**

Rhodri Cusack, *Trinity College Dublin*

Panama 4

Symposium 5.2 – The role of sleep in early learning, problem-solving and language

**Non-invasive approaches to newborn sleep monitoring in cognitive
research**

Emma Visibelli, *University of Padova*

**Napping does not benefit preterm infants' problem solving as well as
it does full-term infants'**

Sarah Berger, *City University of New York*

**Understanding longitudinal changes in sleep-dependent memory
consolidation and underlying mechanisms**

Rebecca Spencer, *University of Massachusetts, Amherst*

Panama 1-3

Symposium 5.3 – A global perspective on socioeconomics and children's language development

**Beyond SES: Caregiver engagement predicts early language in socially
vulnerable communities**

Nayeli Gonzalez-Gomez, *Oxford Brookes University*

**Early speech input and interaction in rural China: Patterns and
predictors from daylong audio**

Ma Yue, *Stanford University*

**Investigating children's performance on object- and picture-based
vocabulary assessments in global contexts: Evidence from Kisumu,
Kenya and the San Francisco Bay Area, U.S.A.**

Rebecca Zhu, *Stanford University*

Mapping the global geography of childhood conversation

Joseph Coffey, *École Normale Supérieure*



Barcelona 2

Symposium 5.4 – The organization and dynamics of the infant social brain

Understanding the development of neural systems supporting social cognition using infant fMRI

Ben Deen, *Tulane University*

Using fNIRS to study the neural basis of infants' perception of interactions between humans or artificial agents

Lindsey Powell, *University of California*

Infants assign value to the targets of others' attention

Velisar Manea, *University of Copenhagen*

Temporal neural dynamics of infants' sociomoral evaluations

Zohreh Soleimani, *University of British Columbia*

Barcelona 3

Symposium 5.5 – Dynamic interplay of manual and postural behaviours across timescales in early development

Manual sampling in free-flowing play: Real-time interaction between body position and object in 4, 6, and 9-month-olds

Agata Kozioł, *Polish Academy of Sciences*

Walking-related changes in infants' object interaction experiences throughout the day

Yushan Guo, *University of California*

Tiny hands, big transitions: Analyzing crawling infants' target interactions during play as they learn to walk

Sabrina Perkins, *Elon University*

Barcelona 4/5

Symposium 5.6 – Infant attention and cognition in context: The role of caregivers and broader social experiences

Moment-to-moment fluctuations in caregiver entropy shape the temporal dynamics of infant attention and statistical learning later in infancy

Tess Allegra Forest, *Columbia University*

Dynamic associations between caregiver sensitivity and infant sustained attention during play

J. Dylan Douglas-Brown, *Vanderbilt University*

Social networks influence early development of infants' attention orienting to caregiver vs. stranger faces

Brooke Montgomery, *Tulane University*

Exploring links between language exposure and infant perspective-taking: A replication of liberman and colleagues (2017)

Ila Harvey, *Georgetown University*



Berlin 1

Oral Session 4 – Caregiver–infant engagement and social coordination

O4.1 - Investigating the effects of other adults on mother-toddler neural synchrony in collaborative play

Rebecca Terry, *Birkbeck, University of London*

O4.2 - Temporal dynamics of social bidding reveal early biobehavioral regulation

Elizabeth Dasilva, *Indiana University*

O4.3 - An infant massage to improve mother-infant synchrony: A NIH-funded randomized controlled trial of Massage+

Aleeca Bell, *University of Arizona*

O4.4 - Infants use helping to infer the existence and strength of caring relationships

Bill Pepe, *University of California*

O4.5 - Bodily access and developmental pathways: Infant experience through co-presence in NSO households of Cameroon

Melody Ngaidzeyuf Ndzenyui, *Max Planck Institute for Evolutionary Anthropology*

O4.6 - What makes a prosocial infant? An exploration of parental beliefs that predict infant sharing behavior

Rodolfo Cortes Barragan, *San Diego State University*

O4.7 - “Use your word”: Infants express a variety of meanings with single words

Kristy Lai, *New York University*

O4.8 - Language input in the Amazonian indigenous context: Examining Panãra language environments across infant age

Jessamine Jeter, *University of Washington*

O4.9 - Unpacking dyadic reciprocity: Infant and maternal contributions across contexts

Teresa Wilcox, *Professor*

O4.10 - “The laboratory must be like life.” Infant behavior during naturalistic free play in the lab versus natural activity at home

Yasmine Elasmr, *New York University*



Berlin 2

Oral Session 5 – Speech perception and multiplural word learning

05.1 - Rhythmicity and audiovisual cues guide attention to child-directed communication in autistic and nonautistic toddlers

Miriam Lense, *Vanderbilt University Medical Center*

05.2 - Early word form recognition and sensitivity to phonological changes in Akan-learning multilingual infants in Ghana (Africa)

Paul Okyere Omane, *Université Paris Cité*

05.3 - 14-month-old English-learning infants encode positional variants of word-final /t/

Kevin Liang, *University of California*

05.4 - Familiar wordform recognition in preterm 11-month-olds: evidence from the Head-Turn Preference Procedure

Chloé Metz, *Université Paris Cité*

05.5 - Cross-linguistic differences in infants' perception of phonetic and phonotactic differences involving the /s/-/ʃ/ contrast

Natalie Boll-Avetisyan, *University of Potsdam*

05.6 - A cross-sectional investigation of how rhythms enhance cortical tracking of unfamiliar languages

Laura Fernández-Merino, *Princeton University*

05.7 - Infants' word recognition in code-switched speech: Early adaptation in multilingual Ghana

Grace Ennim, *University of Potsdam*

05.8 - Uncertainty in word learning in 14-month-olds

Alan Langus, *University of Potsdam*

05.9 - Detecting systematic patterns in early vocabulary structure: Do similar word forms cue similar word meanings across languages?

Felicia Stich, *University of Göttingen*

05.10 - From iconicity to arbitrariness: Developmental changes in sound-symbolic word learning in Korean infants

Eon-Suk Ko, *Chosun University*

3.00pm – 3.30pm

Coffee Break

3.30pm – 5.00pm

Breakout Session 6

Panama 1-3

Play Session with Masako Myowa and Chen Yu
(click for speaker biographies)



Panama 4

Symposium 6.1 – Temporal and multimodal dynamics of caregiver-infant communication

Parents structure language differently across play contexts: Frequency and burstiness of object, spatial, and action words

Erim Kızıldere, *University of California*

Demonstratives as a multimodal pathway to early word learning

Yayun Zhang, *Max Planck Institute*

The distribution of infants' vs. caregivers' multimodal communicative behaviors

Ruby Trujillo, *Princeton University*

Experimentally testing whether word-action correspondence supports noun learning

Kelsey West, *University of Alabama*

Barcelona 1

Symposium 6.2 – Origins and development of rhythm processing in early infancy: What we know and critical questions for future research

The impact of tempo on early auditory rhythm tracking: Evidence from electrophysiological data during the third trimester of human gestation

Sahar Moghimi, *Université de Picardie Jules Verne*

Evidence for neural categorization of rhythm in human newborns

Francesca Barbero, *University of Louvain*

Human newborns form musical predictions based on rhythmic but not melodic structure

Roberta Bianco, *Italian Institute of Technology*

How the rhythms of infant-directed music and speech guide visual attention to the face across the first year after birth

Rafael Román-Caballero, *McMaster University*

Barcelona 2

Symposium 6.3 – Maternal factors shape early brain development: Influences of maternal health and breastmilk on infant neurodevelopment

How milk builds brains – Cellular and neuroimaging evidence

Brittany Howell, *Virginia Tech*

Total Immunoglobulin G (IgG) antibodies during pregnancy correlate with infant salience network functional connectivity

Marisa Spann, *Columbia University*



Resting state functional connectivity associated with maternal anxiety moderates pathways from behavioral inhibition to anxiety

Courtney Filippi, *New York University, Langone Health*

Barcelona 3

Symposium 6.4 – Pathways to early phonological development: Integrating perception, memory, motor, and social systems

Where infants will look on a talking face: A longitudinal study in the first two years of life

Thierry Nazzi, *Université Paris Cité*

Bidirectional links between infant phonological working memory, vocalizations, and language input

Chiara Nascimben, *Università di Padova*

Sensorimotor influences on infant speech perception of prosody in typical and atypical development

Sonia Frota, *University of Lisbon*

Robot-provided social cues show no evidence of enhancing infant word segmentation

Lara Hamburger, *University of Potsdam*

Barcelona 4/5

Symposium 6.5 – Tracing the developmental origins of human self-awareness: Brain, body, mind and mechanism

Investigating the origins of the multisensory bodily self with virtual reality: BabyMIRAGE

Andrew Bremner, *University of Birmingham*

From metacognition at 12 months to self-representation at 18 months

Katarina Begus, *University of Copenhagen*

From bodily signals to prosocial behavior: interoceptive sensitivity and empathic concern at 9 and 18 months

Markus Tuente, *University of Vienna*

Investigating the role of caregiver-infant interpersonal synchrony in the development of a self-representation

Victoria Southgate, *University of Copenhagen*

Berlin 1

Oral Session 6 – Emotion, stress, and family context

O6.1 - How to start a conversation? A five-year longitudinal investigation of the effect of parent question type on children's early emotion labeling

Fangyuan Broadbent, *Brigham Young University*



O6.2 - Prenatal intimate partner violence, parent-child emotion co-regulation, & the moderating effect of maternal social support

Prathyusha Gowri Srinivasan, *Pennsylvania State University*

O6.4 - The effects of prenatal exposure to sociocultural stressors on HPA-axis development in infants

Kimberly Danna-Hernandez, *Marquette University*

O6.5 - Mother-infant cortisol covariation across the day

Aubrey Golden, *University of California*

O6.6 - Maternal distress and caregiving associations with infants' real-time parasympathetic regulation at home

Taylor Wilds, *University of Texas at Austin*

O6.7 - Investigating the molecular mechanisms of biological embedding and intergenerational transmission of conflict and displacement trauma: Early findings from a prenatal cohort study in the Rohingya refugee context in Bangladesh

Alice Wuermli, *New York University*

O6.8 - Profiles of temperament in early infancy: Predictive associations with cognitive development and maternal behaviors as mediators

Jean-Pascal Lemelin, *Université de Sherbrooke*

O6.9 - Early mother-infant behavioral synchrony predicts later chronic cortisol accumulation in infancy

Isis Segura, *Mackenzie Presbyterian University*

O6.10 - Maternal mind-mindedness and sensitivity as predictors of mothers' touch behaviors toward their 6-month-old infants

Marcela De Mello Bispo Borges, *Mackenzie Presbyterian University*

5.00pm – 6.15pm
Berlin 1

Poster Session 2

6.15pm – 7.15pm

Undergraduate Networking



Thursday, July 9

9.00am – 10.00am Presidential Symposium

Panama 1-3

Tiny Tots, Big Ideas with Karen Adolph, Sandy Waxman, and Stanislas Dehaene ([click for speaker biographies](#))

10.00am – 11.00am Business Meeting and Awards Ceremony

Panama 1-3

11.00am – 11.30am Coffee Break

11.30am – 12.30pm Keynote 2

Panama 1-3

Imaging the Infant Mind with Ghislaine Dehaene-Lambertz, CNRS, Robert Debré Child brain Institute
([click for speaker biographies](#))

12.30pm – 2.00pm Lunch on own

2.00pm – 3.30pm Breakout Session 7

Panama 1-3

Neuro Session with Nick Turk-Browne and Koraly Perez-Edgar
([click for speaker biographies](#))

Panama 4

Symposium 7.1 – Biobehavioral co-regulation in early development: Caregiving pathways to infant health

Meta-analytic evidence of physiological stress calibration by child-parent attachment security

Stefania Vacaru, *New York University Abu Dhabi*

Does the content of maternal vocalisations have co-regulatory benefits?

Emily Greenwood, *University of East London*

Maternal sensitivity during feeding predicts lower toddler obesity risk via infant physiological regulation

Esther Leerkes, *University of North Carolina at Greensboro*

Effects of mother-infant skin-to-skin contact on childhood development: A Randomized controlled trial

Esmee Breddels, *Radboud University Medical Center*



Barcelona 1

Symposium 7.2 – From lab rooms to living rooms: The physical environment shapes infant behavior

Using video to capture infants' physical home environments and play with objects

Kristy Lai, *New York University*

No space? No problem: Infants walk regardless of available space at home

Joshua Schneider, *New York University*

Generalizable natural behavior across diverse contexts: A multi-environment study of joint attention

Brianna Kaplan, *University of Texas at Austin*

Environmental tuning of infant attention to the home sensory ecology reveals distinct pathways to self-regulation

Denise Werchan, *University of California*

Barcelona 2

Symposium 7.3 – Early cortical tracking of speech: Relations to language development and neural maturation

Neural tracking and language development in early life: A longitudinal approach

Sergio Pereira Soares, *Max Planck Institute*

Cortical tracking of speech as a neuromarker of individual language development in monolingual and bilingual infants

Marina Kalashnikova, *Basque Center on Cognition Brain and Language (BCBL)*

Electrophysiological maturation predicts neural speech processing in infancy

Tineke Snijders, *Tilburg University*

Barcelona 3

Symposium 7.4 – Naturalistic social interaction in atypical development

Dyadic sensorimotor behaviours of young typically developing children and children with Down syndrome: Object dominance and motor handling

Charlotte Bocchetta, *Cardiff University*

Within-infant variability in attention across sitting postures in EL and LL infants

Julia Yurkovic-Harding, *University of South Carolina*

Contingent caregiver naming has differential effects in children with and without ASD

Catherine Bianco, *University of Texas at Austin*



Barcelona 4/5

Symposium 7.5 – Where infants sleep: Parental decisions, cultural norms, and developmental outcomes

Factors influencing maternal choices about infant sleep location

Elaine Barry, *Penn State Fayette*

Day- and nighttime sleeping arrangements and children's autonomy worldwide

Monika Abels, *Arctic University of Norway*

Longitudinal associations between parent-infant room-sharing and adolescent mental wellbeing and behavior: the role of childhood self-regulation and maternal caregiving behavior

Noor De Waal, *Radboud University Medical Center*

Berlin 1

Symposium 7.6 – Looking-While-Listening in context: design, implementation, and convergence of word recognition paradigms across languages and modalities

Capturing early vocabulary across contexts: What parents report vs. what infants show

Jun Ho Chai, *Chosun University*

Evaluating and adapting iCatcher+ with Korean infant data: A transfer learning approach

Eon-Suk Ko, *Chosun University*

Investigating familiar word recognition in infants across ages and languages in a remote online study: The ManyBabies-AtHome: Looking-While-Listening project

Rajalakshmi Satarai Madhavan, *Chosun University*

Berlin 2

Oral Session 7 – Motor and sensorimotor development

07.1 - Little feet, big beats: Investigating auditory-motor entrainment in childhood

Mikayla Samuel, *University of Toronto*

07.2 - Going up and down: Functional walking on slopes and stairs

Yasmine Elasmr, *New York University*

07.3 - Frequent, scalable and global use of “intelligent onesies” to quantify newborns’ spontaneous movements in natural settings

Ori Ossmy, *Birkbeck, University of London*

07.4 - The effects of difficult terrain on infants’ attention and motor planning while walking outdoors

Sara Schroer, *University of Texas at Austin*



07.5 - Changes in decision stability and information gathering in action planning throughout development

Arezoo Alford, *Birkbeck, University of London*

07.6 - Brain and sensorimotor functional connectivity and growth measurements in near-term and term-born neonates: An fNIRS study

Cassia Donga, *Western University*

07.7 - Multimodal imaging of somatosensory processing infants

Maheen Siddiqui, *Birkbeck, University of London*

07.8 - Infant-caregiver motor synchrony differs across the transition to independent walking

John Franchak, *University of California*

07.9 - Development of flexibility: How infants cope with sloping ground and sloping shoes

Yasmine Elasmr, *New York University*

3.30pm – 4.45pm

Foyer 1

Poster Session 3

4.45pm – 6.15pm

Barcelona 2

Breakout Session 8

Symposium 8.1 – Effect of multimodal caregiver complexity on infant attention and learning during naturalistic interactions.

From salience to semantics in naturalistic interactions: How attention is scaffolded using multimodal behavioural complexity

Pierre Labendzki, *University of East London*

The role of speech complexity and gestures in children's word learning during shared book reading

Yayun Zhang, *University of Texas at Austin*

Characterizing the emergence of Phase-Amplitude Coupling in the first year of life to understand attention in the infant brain

Tess Allegra Forest, *Columbia University*

Panama 4

Symposium 8.2 – Everyday face experiences across infancy: Context, availability, and interactive dynamics

Daily face input in young infants is structured to guide attention to faces

Hiroki Yamamoto, *Indiana University*

Nonlinear changes in face availability during naturalistic playtime across the first years: Insights from head-mounted cameras and automated face detection

Hana D'Souza, *Cardiff University*



Using head-mounted eye tracking and computer vision to examine infant face looking during naturalistic freeplay

Brianna Kaplan, *University of Texas at Austin*

Discussion

Lisa Scott, *University of Florida*

Barcelona 1

Symposium 8.3 – Contingency across contexts: The temporal dynamics of parent-child interaction across lab and home environments in typical and atypical populations

Temporal distribution of caregiver speech affects object attention in TD children but not in children with ASD

Catherine Bianco, *University of Texas at Austin*

Naturalistic moment-to-moment fluctuations in caregiver vocal predictability shape the maturity of infant vocalisations

Katie Lancaster, *University of East London*

Infant-adult smiling dynamics: A cross-partner, home-based longitudinal investigation

Daniel Messinger, *University of Miami*

Infants learn similarly from contingency in social and non-social contexts

Julia Venditti, *Cornell University*

Panama 1-3

Symposium 8.4 – Community-engaged research focused on infant and perinatal populations

Hatchlings - Community-library partnerships to reduce childhood literacy inequities: A qualitative investigation

Ellie Taylor-Robinette, *University of Maryland, College Park*

A sequential mixed methods, community-engaged approach to enhancing parent-infant communication in the nicu

Rachel Romeo, *University of Maryland, College Park*

Bonded by baby: A community co-design approach to transforming postpartum care

Rose Perry, *Social Creatures*

Adapting the mothers and babies perinatal depression intervention to expand its reach and impact

Darius Tandon, *Northwestern University Feinberg School of Medicine*



Barcelona 3

Symposium 8.5 – New horizons for understanding dynamic mother–infant co-regulation: A multimodal and multilayer synchrony approach

Understanding mother–infant co-regulation: Physiological synchrony and interoception at 9 months

Nina Besser Ilan, *University of Vienna*

Predictive computational neurophysiological markers of mother–infant interaction

Haifeng Zhang, *The University of Tokyo*

Supporting the developing microbiota–gut–brain axis in the mother–child Dyad: Associations with emotion regulation and mental health

Ukari Tanaka, *Kyoto University of the Arts*

Enhancing mindful parenting and dyadic synchrony: Pioneering data from the Integrative Mindfulness-Based Infant Parenting Program

Or Burstein, *Bar Ilan University*

Barcelona 4/5

Symposium 8.6 – Development of memory encoding, consolidation, and retrieval in infants: context factors and methodological insights

Forgotten beginnings: Studying infantile amnesia in toddlers through a naturalistic learning paradigm

Sarah Power, *Max Planck Institute*

Infant hippocampus retains context-specific episodic information

Lindsey Mooney, *University of Massachusetts, Amherst*

Longitudinal changes in memory consolidation over morning and afternoon naps in infants

Rebecca Spencer, *University of Massachusetts, Amherst*

The effect of napping on selective memory consolidation in infants

Carolin Konrad, *Ruhr University Bochum*

Berlin 1

Oral Session 8 – Language, environment, vocabulary and communication

O8.2 - Semantic complexity in child-directed screen media across age groups

Amy Hume, *University of East London*

O8.3 - A rule-based approach for identifying key child-directed speech in long form recordings

Kaveri Sheth, *Laboratoire de Sciences Cognitives et Psycholinguistique, ENS, EHE*



O8.4 - Peripheral vision may offer an alternative pathway for simultaneous label-object mapping in speaking and signing children

Caroline Rowland, *Max Planck Institute*

O8.5 - The role of follow-in naming and sustained attention in vocabulary growth

Lanlin Su, *University of Texas at Dallas*

O8.6 - Big feelings, big influence? Exploring effects of toddler emotions on naturalistic parental language input

Caitlin Stone, *University of North Carolina at Greensboro*

O8.7 - Men's voices in children's worlds: Examining the relationship between male speech and language production in young children across the world

Naomi Havron, *University of Halifax*

O8.8 - Caregivers' blink timing serves as a rhythmically structured communicative cue during infant-directed singing

Amy Smith, *Vanderbilt University Medical Center*

Berlin 2

Oral Session 9 – Early markers, interventions, and developmental risk

O9.2 - Defining the context: Identifying salient aspects of infant feeding for predictors of infant anthropometrics

Brittany Howell, *Virginia Tech*

O9.3 - Looking beyond statistics: Centrality of relationship in an evidence-based early intervention program

Sandina Begic, *Boise State University*

O9.4 - Effects of the COVID-19 pandemic on early child development at 24 months

Gretchen Domek, *University of Colorado Anschutz Medical Campus*

O9.5 - Parental questionnaire for early detection of language delays and risk of autism spectrum disorder in Mexican children

Alejandra Auza Benavides, *Hospital General Dr. Manuel Gea González*

O9.6 - Early differences in conversational turn growth among infants with and without later autism

Meghan Swanson, *University of Minnesota*

O9.7 - Developing a gesture score for infants 6-23 months using baby toolbox

Miriam Novack, *Northwestern University Feinberg School of Medicine*

O9.8 - Newborn babies with a high likelihood of developing autism show different motor lateralisation early in life

Mohammad Saber Sotoodeh, *University of Sussex*



09.9 - Joint attention boosts sustained attention less in children with Down syndrome: Insights from dual head-mounted eye-tracking

Qin Liu, *Cardiff University*

09.10 - Oscillatory EEG dynamics underlie distinct neurodevelopmental profiles in infants with increased genetic probability for autism

Andrew Marin, *Columbia University*



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