

A photograph of the Chicago skyline at dusk, with the city lights reflecting on the water. The text is overlaid on this image.

# **ISDP 2021 HYBRID: 54TH ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY**

**November 10-12, 2021**

**SWISSÔTEL CHICAGO, CHICAGO, USA & INTERACTIVE VIRTUAL PLATFORM**

## **Final Program**

*All times are listed in: America/Chicago - All meetings are in Lucerne Ballroom*

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**Wednesday, November 10, 2021**

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1:00 PM - 2:30 PM

Sponsored by: [Magstim EGI](#)

## **Robust Developmental EEG Practices from Collection to Analysis Workshop**

### **Description**

This workshop will address how to collect and analyze high-density EEG in developmental populations with Magstim EGI systems and the [Harvard Automated Processing Pipeline for Electroencephalography \(HAPPE\)](#) software. Current best practices and strategies to promote robust, standardized data collection and analysis will be emphasized. Participants will be guided through processing publicly available developmental [Magstim EGI](#) data or their own data through HAPPE 2.0 software for resting-state EEG (HAPPE pipeline) and ERP analyses (HAPPE+ER pipeline). The workshop is suitable for both novice and experienced EEG users.

### **Session Chair:**

**Laurel Gabard-Durnam**, Northeastern University, United States

**Trey Avery**, Magstim / EGI, United States



## **PRE-CONFERENCE PERINATAL SYMPOSIUM: TELOMERES – A CRITICAL DISCUSSION OF BIOMARKER METHODOLOGY AND EVIDENCE OF THE ASSOCIATION, WITHIN AND ACROSS GENERATIONS, OF TELOMERES AND MATERNAL RISK**

3:00 PM - 4:00 PM

**Session Co-Chairs:** **Stacy Drury**, Tulane University, United States

**Sonja Entringer**, Charité Universitätsmedizin Berlin, Germany

**Marion van den Heuvel**, Tilburg University, Netherlands

**Discussant:** **Elizabeth Shirtcliff**, Iowa State University, United States

3:00 - 3:02 PM

Introduction by **Marion I. van den Heuvel**, *Tilburg University Tilburg, Netherlands*

3:02 - 3:17 PM

COMPLEX SYSTEM ANALYSES OF MATERNAL LIFE COURSE FACTORS AND NEWBORN TL (PC-1) **Stacy Drury**, *Tulane University, New Orleans, LA*

3:17 - 3:32 PM

FETAL PROGRAMMING OF TELOMERE BIOLOGY (PC-2)

**Sonja Entringer**<sup>1</sup>, Claudia Buss<sup>2</sup>, Pathik Wadhwa<sup>3</sup>

<sup>1</sup>*Charité Universitätsmedizin Berlin, Berlin, Germany*, <sup>2</sup>*University of California Irvine, Orange, CA*, <sup>3</sup>*University of California Irvine, Irvine*

3:32 - 3:47 PM

TESTING THE IMPACT OF DNA INTEGRITY ACROSS MULTIPLE TISSUES ON TELOMERE LENGTH MEASUREMENT VIA QPCR

Waylon J. Hastings, Christopher R. Chiaro, Thomas L. Heller, Laura C. Etzel, Sue Rutherford Siegel, **Idan Shalev**, *Department of Biobehavioral Health, The Pennsylvania State University, University Park, PA, USA*

3:47 - 4:00 PM

Discussion Q&A

## **S1 PRESIDENT'S & YOUNG INVESTIGATOR SYMPOSIUM: EARLY CROSS-TALK BETWEEN THE BIOLOGY OF STRESS AND OVERNUTRITION: BRIDGING PRE-CLINICAL ANIMAL MODELS AND HUMAN COHORTS**

4:30 PM - 6:00 PM

**Session Chair:** Brie Reid, Warren Alpert Medical School of Brown University, United States

**Discussant:** Megan Gunnar, University of Minnesota, United States

4:30 -4:32 PM

Introduction

4:32 -4:49 PM

ALTERED PERINATAL HYPOTHALAMIC GLUCOCORTICOID RECEPTOR SIGNALING IS A POTENTIAL MECHANISTIC LINK BETWEEN MATERNAL OVERNUTRITION AND DEVELOPMENT OF FEMALE OFFSPRING ADIPOSITY (S1-1)

**Megan Paulsen**, *University of Minnesota, Minneapolis, MN*

4:49 - 5:06 PM

GESTATIONAL PROGRAMMING OF MATERNAL AND CHILD OBESITY RISK: THE ROLE OF MATERNAL HPA AXIS ACTIVITY (S1-2)

**Mariann Howland**<sup>1</sup>, Laura Glynn<sup>2</sup>

<sup>1</sup>*University of Minnesota, Twin Cities, Minneapolis, MN*, <sup>2</sup>*Chapman University, Orange, CA*

5:06 - 5:23 PM

MATERNAL PREGNANCY CORTISOL AND THE INTERACTION OF MATERIAL ADVERSITY AND PRE-PREGNANCY NUTRITIONAL STATUS ARE INDEPENDENTLY ASSOCIATED WITH NEWBORN CORTISOL REACTIVITY (S1-3)

**Brie Reid**<sup>1</sup>, Laura Stroud<sup>2</sup>

<sup>1</sup>*Warren Alpert Medical School of Brown University, Providence, RI*, <sup>2</sup>*Brown Medical School, Providence, RI*

5:23 - 5:40 PM

GENE NETWORK-EARLY ADVERSITY INTERACTIONS INFLUENCING METABOLIC AND PSYCHIATRIC COMORBIDITIES (S1-4)

**Patricia Silveira**<sup>1</sup>, Barbara Barth<sup>2</sup>

<sup>1</sup>*McGill University, Montreal, QC*, <sup>2</sup>*McGill University, Montreal*

5:40 - 6:00 PM

Discussion Q&A

6:00 - 7:00 PM

**iP1 iPoster Session 1 and President's Networking Reception with Cash Bar**

7:00 - 8:00 PM

**iP2 iPoster Session 2 and President's Networking Reception with Cash Bar**

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**Thursday, November 11, 2021**

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7:45 AM - 8:45 AM

## **Breakfast Workshop Grants**

### **Breakfast Workshop GRANTS**

**Amanda J. Price, Ph.D.,** *NIH/NICHD/DER/CDBB, Bethesda, USA*

ISDP's Grants Workshops gives young investigators the opportunity to meet with PI's and Full Professors, as well as representatives from the NIH and NSF to discuss strategies for grant writing. Registration is required and all participants will be provided with a Continental Breakfast. We hope you will join us for this opportunity!

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**Session Co-Chairs: Amanda Price, NATIONAL INSTITUTES OF HEALTH, United States**  
**Susie Swithers, Purdue University, United States**

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Thank you to all of our sponsors, who have generously supported ISDP Student & Postdoc Member Travel & Free Registration Awards as well as selected Symposium Speaker's travel. Funding for these awards was generously provided by [John Wiley and Sons Publishing](#), (publishers of the ISDP's official journal, *Developmental Psychobiology*, the [Division of Developmental Neuroscience in Psychiatry at Columbia University](#), [MagstimEGI](#), and the members of the ISDP. Thanks to all our generous sponsors and our Exhibitor and Workshop Sponsor, Magstim EGI.!

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Thursday November 11, 2021 *continued*

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## **Columbia University in the City of New York Sponsored Symposium S2: MECHANISMS OF DEVELOPMENTAL PLASTICITY: FROM FIRST BREATH TO ADOLESCENT COGNITION**

9:00 AM - 10:30 AM

Sponsored by:



**Session Chair:** Michele Brumley, Idaho State University, United States

**Session Co-Chair:** Tania Roth, University of Delaware, United States

9:00 - 9:15 AM

BEHAVIORAL EPIGENETICS IN THE DEVELOPING SPINAL CORD (S2-1)

**Michele Brumley**<sup>1</sup>, Tania Roth<sup>2</sup>, <sup>1</sup>*Idaho State University, Pocatello, ID*, <sup>2</sup>*University of Delaware, Newark, DE*

9:15 - 9:35 AM

MECHANISMS OF DEVELOPMENTAL ADAPTIVE CNS PLASTICITY (S2-2)

**Bryan Kolb**, *University of Lethbridge, Lethbridge, AB*

9:35 - 9:55 AM

The last stage of development: the restructuring of the cortex during adolescence especially at puberty (S2-3)

**Janice Juraska**, *University of Illinois, Champaign, IL*

9:55 - 10:15 AM

AGE-DEPENDENT EFFECTS OF PH ON BREATHING BIORHYTHMS IN A BIRD EMBRYO (S2-4)

**Jessica Whitaker-Fornek**, *University of Florida, Gainesville, FL*

10:15 - 10:30 AM

Symposium discussion and questions (Tania Roth)

10:30 - 11:00 AM Coffee Break

## Oral Session 1

11:00 AM - 12:00 PM

**Session Chair:** Peter Gerhardstein, Binghamton University

11:00 - 11:12 AM

NEURAL SENSITIVITY TO FEEDBACK MODERATES THE ASSOCIATION BETWEEN PARENTAL DISCIPLINE AND CHILD EXTERNALIZING BEHAVIOR (O1-1)

**Sarah Terrell**<sup>1</sup>, Ty Lees<sup>2</sup>, Lisa Gatzke-Kopp<sup>3</sup>

<sup>1</sup>Pennsylvania State University, State College, PA, <sup>2</sup>Pennsylvania State University, State College, <sup>3</sup>The Pennsylvania State University, State College

11:15 - 11:27 AM

MATERNAL PRESENCE DURING THREAT LEARNING MODULATES FUNCTIONAL CONNECTIVITY AND COMMUNITY STRUCTURE IN INFANT RATS (O1-2)

**Amanda White**<sup>1</sup>, Jacek Debiec<sup>2</sup>

<sup>1</sup>University of Michigan, Ann Arbor, Michigan, <sup>2</sup>University of Michigan, Ann Arbor

11:30 - 11:42 AM

PERCEIVED SOCIAL ISOLATION, RESTING PARASYMPATHETIC ACTIVITY, AND MOTIVATED BEHAVIORS IN CHILDREN AND ADULTS (O1-3)

**Karen Smith**<sup>1</sup>, Seth Pollak<sup>2</sup>

<sup>1</sup>University of Wisconsin - Madison, Madison, WI, <sup>2</sup>University of Wisconsin-Madison, Madison, WI

11:45 - 11:57 AM

MATERNAL ERROR-RELATED NEGATIVITY RELATIONS WITH OFFSPRING ERROR-RELATED NEGATIVITY AND HARSH PARENTING: A NOVEL MODEL OF INTERNALIZING PSYCHOPATHOLOGY RISK (O1-4)

**Jennifer Suor**<sup>1</sup>, Alison Calentino<sup>2</sup>, Maria Granros<sup>2</sup>, Katie Burkhouse<sup>2</sup>

<sup>1</sup>University of Illinois at Chicago, Chicago, IL, <sup>2</sup>University of Illinois at Chicago, Chicago

12:00 - 1:30 PM Lunch Break (On Own)



## **S3 BIOLOGICAL EMBEDDING OF CHILDHOOD ADVERSITY ACROSS GENERATIONS: CONVERGING EVIDENCE ACROSS DEVELOPMENT**

1:30 PM - 3:00 PM

**Session Co-Chairs:** Cassandra Hendrix, NYU, United States  
Anais Stenson, Wayne State University School of Medicine, United States

1:30 - 1:32 PM

Introduction

1:32 - 1:49 PM

INTERGENERATIONAL TRANSMISSION OF MATERNAL CHILDHOOD MALTREATMENT PRIOR TO BIRTH: EFFECTS ON HUMAN FETAL AMYGDALA FUNCTIONAL CONNECTIVITY (S3-1)

**Marion van den Heuvel**<sup>1</sup>, Catherine Monk<sup>2</sup>, Cassandra Hendrix<sup>3</sup>, Jasmine Hect<sup>4</sup>, Moriah Thomason<sup>5</sup>,  
<sup>1</sup>Tilburg University, Tilburg, Other, Netherlands, <sup>2</sup>Columbia University, New York, NY, <sup>3</sup>NYU, New York, NY, <sup>4</sup>University of Pittsburgh, Pittsburg, PA, <sup>5</sup>NYU Langine Health, New York

1:49 - 2:06 PM

MATERNAL CHILDHOOD ADVERSITY ASSOCIATES WITH FRONTOAMYGDALA CONNECTIVITY IN NEONATES (S3-2)

**Cassandra Hendrix**<sup>1</sup>, Daniel Dilks<sup>2</sup>, Brooke McKenna<sup>2</sup>, Anne Dunlop<sup>3</sup>, Elizabeth Corwin<sup>3</sup>, Patricia Brennan<sup>2</sup>, <sup>1</sup>NYU, New York, NY, <sup>2</sup>Emory University, Atlanta, GA, <sup>3</sup>Emory University, Atlanta

2:06 - 2:23 PM

GHOSTS IN THE FEAR CIRCUITRY? MATERNAL CHILD ABUSE IMPACTS CHILDREN'S FRONTOAMYGDALA CIRCUITRY (S3-3)

**Anais Stenson**<sup>1</sup>, Tanja Jovanovic<sup>2</sup>, <sup>1</sup>Wayne State University School of Medicine, Detroit, MI, <sup>2</sup>Wayne State University, Detroit, MI

2:23 - 2:40 PM

INTERGENERATIONAL TRANSMISSION OF MATERNAL STRESS DIFFERENTIALLY IMPACTS INFANT STRESS RESPONSE SYSTEMS (S3-4)

**Alyssa Lindrose**<sup>1</sup>, Christopher Jones<sup>2</sup>, Stacy Drury<sup>3</sup>, <sup>1</sup>Tulane University School of Medicine, New Orleans, LA, <sup>2</sup>University of Pennsylvania School of Medicine, Philadelphia, PA, <sup>3</sup>Tulane University, New Orleans, LA

2:40 - 3:00 PM

Discussion Q&A

3:00 - 3:30 PM Coffee Break



## Oral Flash Session

3:30 PM - 5:20 PM

**Session Co-Chairs:** Rachel Barr & Joscelin Rocha Hidalgo, Georgetown University

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3:30 - 3:38 PM

PRENATAL EXPOSURE TO GESTATIONAL DIABETES IMPACTS REWARD TASK-BASED FUNCTIONAL CONNECTIVITY IN CHILDREN (Flash-1)

**Alexander Dufford**<sup>1</sup>, Stephanie Noble<sup>2</sup>, Dustin Scheinost

<sup>1</sup>*Yale School of Medicine, New Haven, CT*, <sup>2</sup>*Yale School of Medicine, New Haven*

3:41 - 3:49 PM

INTIMATE PARTNER VIOLENCE EXPOSURE PREDICTS BLUNTED CORTISOL REACTIVITY IN EARLY PREGNANCY (Flash-2)

**Kara Cochran**<sup>1</sup>, Alexandra Ballinger<sup>2</sup>, Alytia Levendosky<sup>1</sup>, Joseph Lonstein<sup>1</sup>, G. Anne Bogat<sup>1</sup>, Maria Muzik<sup>3</sup>, Amy Nuttall<sup>2</sup>

<sup>1</sup>*Michigan State University, East Lansing, MI*, <sup>2</sup>*Michigan State University, East Lansing*, <sup>3</sup>*University of Michigan, Ann Arbor*

3:52 - 4:00 PM

EFFORT-BASED DECISION MAKING FOR REWARD: A POTENTIAL BIOMARKER OF MENTAL HEALTH VULNERABILITY FOLLOWING CHILDHOOD MALTREATMENT (Flash-3)

**Diana Armbruster-Genc**<sup>1</sup>, Vincent Valton<sup>2</sup>, Louise Neil<sup>1</sup>, Vivien Vuong<sup>1</sup>, Zoë Freeman<sup>3</sup>, Katy Packer<sup>1</sup>, Marianne Kiffin<sup>1</sup>, Jonathan Roiser<sup>1</sup>, Essi Viding<sup>1</sup>, Eamon McCrory<sup>1</sup>

<sup>1</sup>*University College London, London, United Kingdom*, <sup>2</sup>*UCL, London, United Kingdom*, <sup>3</sup>*University College London, London, United Kingdom*

4:03 - 4:11 PM

A TRANSLATIONAL PILOT STUDY OF MOTHER-INFANT INTERACTIONS IN MACAQUES AND HUMANS: IMPLICATIONS FOR AT-RISK PARENTS (Flash-4)

**Amanda Dettmer**<sup>1</sup>, Cody Bartz<sup>2</sup>, Helena Rutherford<sup>1</sup>

<sup>1</sup>*Yale University, New Haven, CT*, <sup>2</sup>*American University, Washington, DC*

4:14 - 4:22 PM

EARLY-LIFE ACETAMINOPHEN EXPOSURE, INFLAMMATION, AND BEHAVIOR: DEVELOPING A TRANSLATIONALLY-RELEVANT RODENT MODEL (Flash-5)

**Christopher Harshaw**<sup>1</sup>, Anna Warner<sup>2</sup>

<sup>1</sup>*University of New Orleans, New Orleans, LA*, <sup>2</sup>*University of New Orleans, New Orleans, Louisiana*

4:25 - 4:33 PM

Caregiver Hair Cortisol Predicts Differential Patterns of Longitudinal EEG Activity Across Infancy (Flash-6)

**Annie Brandes-Aitken<sup>1</sup>**, Nicolò Pini<sup>2</sup>, Maya Mester<sup>1</sup>, Natalie Brito<sup>3</sup>

<sup>1</sup>New York University, New York, <sup>2</sup>Columbia University Irving Medical Center, New York, NY, <sup>3</sup>New York University, New York, NY

4:36 - 4:44 PM

MATERNAL PRECONCEPTION STRESS EXPOSURE AND INFANT CORTISOL REACTIVITY: A STUDY OF BLACK AMERICAN FAMILIES LIVING IN A LOW-RESOURCED, URBAN ENVIRONMENT (Flash-7)

**Cope Feurer<sup>1</sup>**, Jennifer Suor<sup>1</sup>, Katie Burkhouse<sup>2</sup>, Kathryn Keenan<sup>3</sup>

<sup>1</sup>University of Illinois at Chicago, Chicago, IL, <sup>2</sup>University of Illinois at Chicago, Chicago, <sup>3</sup>University of Chicago, Chicago

4:47 - 4:55 PM

Visual-motor functional connectivity during action anticipation is shaped by action experience in infancy (Flash-8)

**Marc Colomer Canyelles<sup>1</sup>**, Haerin Chung<sup>2</sup>, Marlene Meyer<sup>3</sup>, Amanda Woodward<sup>4</sup>

<sup>1</sup>University of Chicago, Chicago, Illinois, <sup>2</sup>The University of Chicago, Chicago, Illinois, <sup>3</sup>Radboud University Nijmegen, Nijmegen, Netherlands, <sup>4</sup>University of Chicago, Chicago

4:58 - 5:06 PM

LATENT PROFILE OF TEMPERAMENTAL SHYNESS IN CHILDREN: PHYSIOLOGICAL, BEHAVIORAL, AND AFFECTIVE COMPONENTS (Flash-9)

**Kristie Poole<sup>1</sup>**, Louis Schmidt<sup>2</sup>

<sup>1</sup>University of Waterloo, Waterloo, Ontario, <sup>2</sup>McMaster University, Hamilton

5:09 - 5:17 PM

CAREGIVER FACES CAPTURE 7-10-YEAR-OLD CHILDREN'S ATTENTION DURING AN ONLINE VISUAL SEARCH TASK (Flash-10)

**Brianna Hunter<sup>1</sup>**, Julie Markant<sup>1</sup>

<sup>1</sup>Tulane University, New Orleans, LA

5:20 - 6:20PM

**iP3 iPoster Session 3 and Networking Reception with Cash Bar**

6:20 - 7:20 PM

**iP4 iPoster Session 4 and Networking Reception with Cash Bar**

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**Friday, November 12, 2021**

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7:45 - 8:45 AM **Meet-the-Professors Breakfast Workshop in Lucerne Ballroom for pre-registered only (this was a space limited session and will NOT be on the Virtual Platform)**

7:45 - 8:45 AM **Virtual Meet-the-Professors Workshop** on the Virtual Meeting Platform (**for pre-registered only (this was a space limited session and will not be on the Virtual Platform, special Zoom invitation sent to all pre-registered participants and professors)**)

## **S4 EXPERIENCES AND KNOWLEDGE: HOW DO EPISODIC AND SEMANTIC MEMORY DEVELOP AND INTERACT**

9:00 AM - 10:30 AM

**Session Chair: Elliott Johnson**, Temple University, United States

9:00 - 9:02 AM

Introduction

9:02 - 9:19 AM

ACTIVATION FOR NEWLY LEARNED WORDS IN LEFT MEDIAL-TEMPORAL LOBE DURING TODDLERS' SLEEP IS ASSOCIATED WITH MEMORY FOR WORDS (S4-1)

**Elliott Johnson**<sup>1</sup>, Lindsey Mooney<sup>2</sup>, Christine Nordahl<sup>3</sup>, Simona Ghetti<sup>2</sup>

<sup>1</sup>Temple University, Philadelphia, PA, <sup>2</sup>University of California, Davis, Davis, <sup>3</sup>University of California, Davis, Sacramento

9:19 - 9:36 AM

CONTINGENCY OF SEMANTIC GENERALIZATION ON EPISODIC SPECIFICITY VARIES ACROSS DEVELOPMENT (S4-2)

**Zoe Ngo**, Max Planck Institute for Human Development, Berlin, Germany

9:36 - 9:53 AM

APPLES ARE FOOBLY, AND SO ARE MIPPS: CONTRIBUTIONS OF EXPERIENCE TO SEMANTIC MEMORY OVER DEVELOPMENT (S4-3)

**Layla Unger**<sup>1</sup>, Olivera Savic<sup>1</sup>, Vladimir Sloutsky<sup>1</sup>

<sup>1</sup>Ohio State University, Columbus, OH

9:53 - 10:10 AM

SEMANTIC ORGANIZATION AND ITS PREDICTORS IN ADULTS AND YOUNG CHILDREN (S4-4)

**Erika Wharton-Shukster**, University of Toronto, Toronto, ON

10:10 - 10:30 AM

Discussion Q&A

10:30 - 10:45 AM Coffee Break

## **S5 THE EMERGING PARENTAL BRAIN: LONGITUDINAL RESEARCH ON PARENTS' PRENATAL NEUROBIOLOGY AND ITS IMPLICATIONS FOR POSTPARTUM CAREGIVING BEHAVIOR**

10:45 AM - 12:15 PM

**Session Co-Chairs:** Sofia Cardenas, University of Southern California, United States & Magdalena Martínez-García, Fundación para la Investigación Biomédica del Hospital Gregorio Marañón, Spain

**In-Person discussion facilitator:** Sarah Peoples, Texas A&M University, United States

10:45 - 11:00 AM

AUDITORY CRY SOUNDS ENHANCE NEURAL PROCESSING OF INFANT FACES ACROSS THE PERIPARTUM PERIOD (S5-1)

**Emilia Cárdenas**<sup>1</sup>, Kathryn Humphreys<sup>1</sup>, Autumn Kujawa<sup>1</sup>

<sup>1</sup>*Vanderbilt University, Nashville, TN*

11:00 - 11:15 AM

BRAIN STRUCTURAL ADAPTATIONS IN CORTICAL AND SUBCORTICAL CIRCUITS DURING THE TRANSITION TO MOTHERHOOD (S5-2)

**Magdalena Martínez-García**, *Fundación para la Investigación Biomédica del Hospital Gregorio Marañón, Spain*

11:15 - 11:30 AM

FATHERS' INVOLVEMENT IN CHILDCARE RELATED TO MALLEABILITY IN PARENTAL BRAIN NETWORKS (S5-3)

**Madelon Riem**<sup>1</sup>, Lisa Horstman<sup>1</sup>, Kim Alyousefi-van Dijk<sup>1</sup>, Anna Lotz<sup>1</sup>, Maaïke Cima<sup>1</sup>, Marinus Van IJzendoorn<sup>2</sup>, Marian Bakermans-Kranenburg<sup>3</sup>

<sup>1</sup>*Radboud University, Nijmegen, Netherlands, Netherlands*, <sup>2</sup>*University of London, London, United Kingdom*, <sup>3</sup>*VU Amsterdam, Amsterdam, Netherlands*

11:30 - 11:45 AM

THEORY OF MIND PROCESSING IN EXPECTANT FATHERS: ASSOCIATIONS WITH PRENATAL OXYTOCIN AND POSTPARTUM ATTACHMENT (S5-4)

**Sofia Cardenas**, *University of Southern California, Los Angeles, CA*

11:45 - 12:00 PM

THE EFFECTS OF PRENATAL STRESS ON NEURAL RESPONSES TO INFANT CRIES IN EXPECTANT MOTHERS AND FATHERS (S5-5)

**Sarah Peoples**<sup>1</sup>, Amanda Lowell<sup>2</sup>, Madison Bunderson<sup>3</sup>, Cody Bartz<sup>4</sup>, Sarah Yip<sup>2</sup>, Helena Rutherford<sup>2</sup>

<sup>1</sup>*Texas A&M University, College Station, TX*, <sup>2</sup>*Yale University, New Haven, CT*, <sup>3</sup>*Stanford Graduate School of Education, Stanford, CA*, <sup>4</sup>*American University, Washington, DC*

12:00 - 12:15 PM

Discussion Q&A

12:15 - 1:30 PM Lunch Break (On Own)

**RE-THINKING ADVERSITY: EARLY LIFE STRESS FROM THE CHILD'S PERSPECTIVE Wiley Distinguished Speaker: Seth David Pollak, Ph.D.**

1:30 PM - 2:30 PM

Sponsored by:



**Moderator:** Megan Gunnar

**Seth David Pollak, Ph.D.**, *Letters and Sciences Distinguished Professor of Psychology, University of Wisconsin - Madison*

Seth Pollak's research focuses on children's brain and behavioral development, with particular focus on emotions, learning, and children's health. Dr. Pollak has been the recipient of the Boyd-McCandless Award for Distinguished Contributions to Child Development, the American Psychological Association's Distinguished Early Career Award, the APS James McKeen Cattell Sabbatical Award, as well as the Chancellor's Distinguished Teaching Award from the University of Wisconsin. He is a Fellow of the American Association for the Advancement of Science and the Association for Psychological Science. In 2020, Dr. Pollak was elected to membership in the American Academy of Arts and Sciences and was recently named a 2021 Guggenheim Fellow.

<https://childemotion.waisman.wisc.edu/>

[@childemotionlab](#)

## Oral Session 2

2:30 PM - 3:30 PM

**Session Co-Chairs:** **Natalie Brito**, New York University, United States & **Andrea Fields**, Columbia University, United States

2:30 - 2:42 PM

LASTING CONSEQUENCES ON PHYSIOLOGY AND SOCIAL BEHAVIOR FOLLOWING CESAREAN DELIVERY IN PRAIRIE VOLES (O2-1)

**William Kenkel**<sup>1</sup>, Allison Perkeybile<sup>2</sup>, John Reinhart<sup>3</sup>, Marcy Kingsbury<sup>4</sup>, C. Sue Carter<sup>3</sup>

<sup>1</sup>University of Delaware, Newark, DE, <sup>2</sup>Kinsey Institute, Indiana University, Bloomington, IN, <sup>3</sup>Kinsey Institute, Indiana University, Bloomington, <sup>4</sup>Harvard Medical School, Cambridge

2:45 - 2:57 PM

A MEDIATING ROLE FOR MICROGLIA IN THE SEX-DEPENDENT COGNITIVE AND NEUROSTRUCTURAL CONSEQUENCES OF NEONATAL AND JUVENILE ADVERSITY (O2-2)

**Kelsea Gildawie**<sup>1</sup>, Michaela Fanikos<sup>2</sup>, Lakshanyaa Thamaria Kannan<sup>2</sup>, Alissa Valentine<sup>2</sup>, Theres Alexander<sup>2</sup>, Lillian Ein<sup>3</sup>, Heather Brenhouse<sup>3</sup>

<sup>1</sup>Tufts University, North Grafton, MA, <sup>2</sup>Northeastern University, Boston, <sup>3</sup>Northeastern University, Boston, MA

3:00 - 3:12 PM

METABOLIC PROTEINS AT BIRTH PREDICT EARLY CHILDHOOD PSYCHOLOGICAL SYMPTOMS (O2-3)

**Samantha Scott**<sup>1</sup>, Erika Manczak<sup>2</sup>

<sup>1</sup>University of Denver, Denver, CO, <sup>2</sup>University of Denver, Denver

3:15 - 3:27 PM

PRELIMINARY EFFECTS OF AN ATTACHMENT-BASED INTERVENTION ON DNA METHYLATION OF MOTHER-INFANT DYADS WITH OPIOID EXPOSURE DURING PREGNANCY (O2-4)

**Christiana Martin**<sup>1</sup>, Tania Roth<sup>1</sup>, Madelyn Labella<sup>2</sup>, Kailee Polkabila<sup>2</sup>, Mary Dozier<sup>1</sup>

<sup>1</sup>University of Delaware, Newark, DE, <sup>2</sup>University of Delaware, Newark

3:30 - 3:45 PM Coffee Break

## S6 CAPTURING HETEROGENEITY IN RODENT AND HUMAN SOCIAL BEHAVIOR IN “REAL WORLD” SETTINGS

3:45 PM - 5:15 PM

**Session Chair:** Koralý Perez-Edgar, The Pennsylvania State University, United States

**Discussant:** Nathan Fox, University of Maryland, United States

3:45 - 3:47 PM

Introduction

3:47 - 4:04 PM

IDENTIFYING CONSISTENT BEHAVIORAL PHENOTYPES IN A RAT MODEL OF TEMPERAMENTAL FEAR (S6-1)

**Sonia Cavigelli**<sup>1</sup>, Elyse McMahon<sup>2</sup>, Saaniya Farhan<sup>3</sup>

<sup>1</sup>Pennsylvania State Univ, University Park, PA, <sup>2</sup>Penn State University, State College, <sup>3</sup>Pennsylvania State University, University Park

4:04 - 4:21 PM

USING MOBILE EYE-TRACKING TO CAPTURE ATTENTION AND SOCIAL BEHAVIOR IN-THE-MOMENT (S6-2)

**Koralý Perez-Edgar**<sup>1</sup>, Kelley Gunther<sup>2</sup>, Alicia Vallorani<sup>2</sup>, Leigha MacNeill<sup>3</sup>, Xiaoxue Fu<sup>4</sup>

<sup>1</sup>The Pennsylvania State University, University Park, PA, <sup>2</sup>The Pennsylvania State University, State College, PA, <sup>3</sup>Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>4</sup>University of South Carolina, Columbia, SC

4:21 - 4:38 PM

ALL BETS ARE OFF: CHILDREN’S TEMPERAMENTAL SHYNESS AND ANXIETY IN THE SURGICAL SETTING USING MOBILE PSYCHOPHYSIOLOGICAL TECHNOLOGY (S6-3)

**Louis Schmidt**<sup>1</sup>, Cheryl Chow<sup>1</sup>, Richard Xu, Jhanahan Sriranján, Kristie Poole<sup>3</sup>, Raha Hassan<sup>4</sup>, Ryan Van Lieshout, Norman Buckley

<sup>1</sup>McMaster University, Hamilton, <sup>2</sup>McMaster University, <sup>3</sup>University of Waterloo, Waterloo, Ontario, <sup>4</sup>McMaster University, Hamilton, ON

4:38 - 4:55 PM

REAL-WORLD CONSEQUENCES OF EARLY BEHAVIORAL INHIBITION: MODERATION BY SOCIAL CONTEXT AND ERROR MONITORING (S6-4)

**Santiago Morales**<sup>1</sup>, Selin Zeytinoglu<sup>2</sup>, George Buzzell<sup>3</sup>, Nathan Fox<sup>3</sup>

<sup>1</sup>University of Southern California, Los Angeles, CA, <sup>2</sup>University of Maryland, Baltimore, MD, <sup>3</sup>University of Maryland, College Park, MD

4:55 - 5:15 PM

Discussion Q&A



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**Friday November 12, 2021** *continued*

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## **ISDP Awards Session**

5:15 PM - 6:15 PM

**Session Co-Chairs:** Jennifer Silvers, UCLA, United States (ISDP Awards Committee Chair)  
Michael Hennessy, Wright State University, United States

5:15 - 5:20 PM

2021 Rovee-Collier Mentor Award Winner: **Megan Gunnar, PhD** - presentation of award

5:20 - 5:25 PM

2021 Distinguished Service Award presentations to both, **Amy Learmonth & Julie Campbell** - presentation of awards

### **AWARD WINNER TALKS**

5:25 - 5:35 PM

2021 Senior Investigator Award Winner, **Regina Marie Sullivan, PhD**

5:35 - 5:45 PM

2021 David Kucharski Young Investigator Award, **Maya Opendak, Ph.D.**

5:45 - 5:55 PM

2021 David Kucharski Young Investigator Award, **Kathryn Leigh Humphreys, Ph.D., Ed.M.**

5:55 - 6:05 PM

2021 Dissertation Award, **Kristie L. Poole, PhD**

6:05 - 6:15 PM

2021 Sandra G. Wiener Student Investigator Award, **Mariann A. Howland**

6:15 PM 2021 Hennessy-Smotherman-Wiley Best Student Paper Award, **TBA**

ISDP 2021 Student/Postdoc Member Travel and Abstract Award winner photo

6:25 PM INVITATION TO ISDP 2022 IN SAN DIEGO & ADJOURN

## 2021 ISDP Student/Postdoc Member Travel and Abstract Awards:

<b>Melody Altschuler</b>	<b>Morgan Gomez</b>	<b>Abigail Myers</b>
University of Minnesota	Georgia State University	Wayne State University
Minneapolis, United States	Atlanta, United States	Detroit, United States
<b>Cynthia Alvarado</b>	<b>Kelley Gunther</b>	<b>Gwendolyn Ngoh*</b>
Purdue University	The Pennsylvania State University	Nanyang Technological University
West Lafayette, United States	State College, United States	Singapore, Singapore
<b>Berenice Anaya</b>	<b>Emma Hart</b>	<b>Victoria Petrulla</b>
The Pennsylvania State University	Teachers College, Columbia University	Florida International University
University Park, United States	New York, United States	South Miami, United States
<b>Alana Anderson</b>	<b>Lauren Hartstein</b>	<b>Jennifer Phillips</b>
Washington State University	University of Colorado Boulder	Virginia Tech
Pullman, United States	Boulder, United States	Blacksburg, United States
<b>Laura Bierstedt</b>	<b>Raha Hassan</b>	<b>Nicolò Pini</b>
Rutgers University	McMaster University	Columbia University Irving Medical Center
Newark, United States	Hamilton, Canada	New York, United States
<b>Paul Bloom</b>	<b>Yannan Hu</b>	<b>Kristie Poole</b>
Columbia University	University of Illinois at Urbana-Champaign	University of Waterloo
New York, United States	Urbana, United States	Waterloo, Canada
<b>Gabrielle Bonanno</b>	<b>Erin Hunt</b>	<b>Novella Pretti</b>
Purdue University	University Of South Carolina	Istituto Italiano di Tecnologia
West Lafayette, United States	Columbia, United States	Genova, Italy
<b>Aimee Lynn Bozeman</b>	<b>Brianna Hunter</b>	<b>Francesca Querdasi</b>
Idaho State University	Tulane University	University of California, Los Angeles
Pocatello, United States	New Orleans, United States	Los Angeles, United States
<b>Annie Brandes-Aitken</b>	<b>Noor Jarbou*</b>	<b>Vida Rebello</b>
New York University	University of Wollongong	University of California, Irvine
New York, United States	North Wollongong, Australia	Irvine, United States
<b>Alexis Brieant</b>	<b>Elliott Johnson</b>	<b>Amanda Reichert</b>
Yale University	Temple University	Miami University
New Haven, United States	Philadelphia, United States	Oxford, United States

<b>April Brown</b>	<b>Finola Kane-Grade</b>	<b>Brie Reid</b>
Emory University	University of Minnesota	Warren Alpert Medical School of Brown Univ
Atlanta, United States	Minneapolis, United States	Providence, United States
<b>Madeleine Bruce</b>	<b>Silvana Kaouar*</b>	<b>Lori Reider</b>
Virginia Polytechnic Institute & State University	University of New South Wales	Rutgers University
Blacksburg, United States	Sydney, Australia	Newark, United States
<b>Ash Bursalıoğlu</b>	<b>Rachel Kessler</b>	<b>Emily Reilly</b>
Loyola University Chicago	Wright State University	University of Minnesota
Chicago, United States	Dayton, United States	Minneapolis, United States
<b>Taylor Campbell</b>	<b>Marta Korom</b>	<b>Nicole Rheinheimer*</b>
University of Delaware	University of Delaware	Radboudumc Nijmegen
Newark, United States	Newark, United States	Goch, Netherlands
<b>Sofia Cardenas*</b>	<b>Seulki Ku</b>	<b>Joscelin Rocha Hidalgo</b>
University of Southern California	New York University School of Medicine	Georgetown University
Los Angeles, United States	New York, United States	Washington, United States
<b>Emilia Cárdenas*</b>	<b>Samantha Lauby</b>	<b>Cristina Rodriguez</b>
Vanderbilt University	University of Texas at Austin	San Diego State University
Nashville, United States	Austin, United States	San Diego, United States
<b>Natasha Chaku</b>	<b>Keira Leneman</b>	<b>Jana Runze*</b>
University of Michigan	University of Minnesota	VU Amsterdam
Ann Arbor, United States	Minneapolis, United States	Amsterdam, Netherlands
<b>Haerin Chung</b>	<b>Xiaomei Li*</b>	<b>Isis Segura</b>
The University of Chicago	University of Illinois at Urbana-Champaign	Universidade Federal de São Paulo
Chicago, United States	Urbana, United States	São Paulo, Brazil
<b>Kara Cochran*</b>	<b>Ran Liu*</b>	<b>Tabitha Sellers</b>
Michigan State University	Columbia University	University of Delaware
East Lansing, United States	New York, United States	Newark, United States
<b>Alexandra Cohen</b>	<b>Yuqing Liu</b>	<b>Katrina Simon</b>
New York University	University of Minnesota, Twin Cities	Teacher's College
New York, United States	Minneapolis, United States	New York, United States
<b>Sarah Curci</b>	<b>Diana Lopera-Perez</b>	<b>Karen Smith</b>
Arizona State University	Boston University, Universidad del Norte	University of Wisconsin – Madison
childhood, United States	Boston, United States	Madison, United States
<b>Sarah Curci</b>	<b>Maristella Lucchini</b>	<b>Eszter Szekely</b>
Arizona State University	Columbia University Irving Medical Center	McGill University
Phoenix, United States	new York, United States	Montreal, Canada

<b>Meriah DeJoseph</b>	<b>Sarah Lynch</b>	<b>Katharina Tisborn</b>
University of Minnesota	Boston University	Ruhr University Bochum
Minneapolis, United States	Boston, United States	Bochum, Germany
<b>Camila Demaestri*</b>	<b>Marisa Lytle</b>	<b>Praachi Tiwari</b>
Columbia University	The Pennsylvania State University	Tata institute of Fundamental Research
New York, United States	State College, United States	Mumbai, India
<b>Aaron DeMasi*</b>	<b>Alleyna Martes</b>	<b>Elisa Ugarte</b>
The City University of New York	Idaho State University	University of California, Davis
New York, United States	Pocatello, United States	Davis, United States
<b>Nicole Dennis</b>	<b>Christiana Martin</b>	<b>Emilio Valadez</b>
Western Carolina University	University of Delaware	University of Maryland, College Park
Holly Springs, United States	Newark, United States	College Park, United States
<b>Elizabeth Edgar</b>	<b>Kirsten McLaughlin</b>	<b>Sarah Vogel</b>
Florida International University	The University of North Carolina at Chapel Hill	New York University
Miami, United States	Chapel Hill, United States	New York, United States
<b>Melissa Engel</b>	<b>Mia Mclean</b>	<b>Anna Warner</b>
Emory University	The University of British Columbia	University of New Orleans
Atlanta, United States	Vancouver, Canada	New Orleans, United States
<b>Andrea Fields</b>	<b>Adriana Mendez Leal*</b>	<b>W. Tang Watanasriyakul</b>
Columbia University	University of California, Los Angeles	Northern Illinois University
New York, United States	Los Angeles, United States	DeKalb, United States
<b>Meghan Gallo</b>	<b>Danieli Mercado-Ramos</b>	<b>Denise Werchan</b>
Brown University	Illinois State University	NYU Langone
Providence, United States	Normal, United States	New York, United States
<b>Erika Garcia Mora</b>	<b>Wesley Meredith</b>	<b>Jessica Whitaker-Fornek</b>
Louisiana State University	University of California, Los Angeles	University of Florida
Baton Rouge, United States	Los Angeles, United States	Gainesville, United States
<b>Melissa Giebler</b>	<b>Chenelle Miller*</b>	<b>Amanda White</b>
Teachers College, Columbia University	University of Virginia	University of Michigan
New York, United States	Charlottesville, United States	Ann Arbor, United States
<b>Courtney Gilchrist*</b>	<b>Brianna Minshall</b>	<b>Deaven Winebrake*</b>
RMIT University	Miami University	Boston University
Bundoora, Australia	Oxford, United States	Boston, United States
<b>Lissete Gimenez</b>	<b>Minhazul Mohsin</b>	<b>Danruo Zhong</b>
New York State Psychiatric Institute	University of California, Irvine.	University of Minnesota
New York, United States	Reno, United States	Minneapolis, United States