ISDP 2021 Hybrid:
54th Annual Meeting of the
International Society for
Developmental Psychobiology

FINAL PROGRAM
Mark your Calendars:
ISDP 2022 Hybrid: 55th Annual Meeting of the
International Society for
Developmental Psychobiology
November 9-11, 2022
Catamaran Resort Hotel & Spa, San Diego, USA
www.isdp.org
ISDP 2021 Hybrid:
54th Annual Meeting of the
International Society for
Developmental Psychobiology
November 10-12, 2021, Swissôtel Chicago

Program Director:
Peter Gerhardstein, Binghamtom University-SUNY

Conference Coordinator:
Julie Campbell, Illinois State University

Perinatal Pre-Conference Symposium:
International Perinatal Brain and Behavior Network (IPBBN)
Program Director: Marion van den Heuvel, Tilburg University

THANKS TO OUR GENEROUS 2021 SPONSORS!!!

Thank you to all of our sponsors, who have generously supported ISDP Student & Postdoc Member Travel & Free Registration Abstract Presentation Awards as well as selected Symposium Speaker’s travel. Funding for these awards has been 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.!
Robust Developmental EEG Practices from Collection to Analysis Workshop

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 Chairs/Presenters: 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 & MATERNAL RISK

3:00 PM - 4:00 PM
Sponsored by:

INTERNATIONAL PERINATAL BRAIN AND BEHAVIOR NETWORK (IPBBN)
An Interest Group of the International Society for Developmental Psychobiology

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 Entringer¹, Claudia Buss², Pathik Wadhwa³
¹Charité Universitätsmedizin Berlin, Berlin, Germany, ²University of California Irvine, Orange, CA, ³University 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
Sponsored by:

WILEY

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 Howland1, Laura Glynn2
1University of Minnesota, Twin Cities, Minneapolis, MN, 2Chapman 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 Reid1, Laura Stroud2
1Warren Alpert Medical School of Brown University, Providence, RI, 2Brown Medical School, Providence, RI
Wednesday, November 10, 2021 continued

5:23 - 5:40 PM
GENE NETWORK-EARLY ADVERSITY INTERACTIONS INFLUENCING METABOLIC AND PSYCHIATRIC COMORBIDITIES (S1-4)
Patricia Silveira¹, Barbara Barth²
¹McGill University, Montreal, QC, ²McGill 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

Thursday, November 11, 2021

7:45 AM - 8:45 AM

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!

Session Co-Chairs: Amanda Price, NATIONAL INSTITUTES OF HEALTH, United States
Susie Swithers, Purdue University, United States
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 Brumley¹, Tania Roth², ¹Idaho State University, Pocatello, ID, ²University 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**¹, Ty Lees², Lisa Gatzke-Kopp³
¹Pennsylvania State University, State College, PA, ²Pennsylvania State University, State College, ³The 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**¹, Jacek Debiec²
¹University of Michigan, Ann Arbor, Michigan, ²University 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**¹, Seth Pollak²
¹University of Wisconsin - Madison, Madison, WI, ²University 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**¹, Alison Calentino², Maria Granros², Katie Burkhouse²
¹University of Illinois at Chicago, Chicago, IL, ²University 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 Heuvel1, Catherine Monk2, Cassandra Hendrix3, Jasmine Hect4, Moriah Thomason5, 1Tilburg University, Tilburg, Other, Netherlands, 2Columbia University, New York, NY, 3NYU, New York, NY, 4University of Pittsburgh, Pittsburg, PA, 5NYU Langine Health, New York

1:49 - 2:06 PM
MATERNAL CHILDHOOD ADVERSITY ASSOCIATES WITH FRONTOAMYGDALA CONNECTIVITY IN NEONATES (S3-2)

Cassandra Hendrix1, Daniel Dilks2, Brooke McKenna2, Anne Dunlop3, Elizabeth Corwin3, Patricia Brennan1, 1NYU, New York, NY, 2Emory University, Atlanta, GA, 3Emory University, Atlanta

2:06 - 2:23 PM
GHOSTS IN THE FEAR CIRCUITRY? MATERNAL CHILD ABUSE IMPACTS CHILDREN’S FRONTOAMYGDALA CIRCUITRY (S3-3)

Anais Stenson1, Tanja Jovanovic2, 1Wayne State University School of Medicine, Detroit, MI, 2Wayne State University, Detroit, MI

2:23 - 2:40 PM
INTERGENERATIONAL TRANSMISSION OF MATERNAL STRESS DIFFERENTIALLY IMPACTS INFANT STRESS RESPONSE SYSTEMS (S3-4)

Alyssa Lindrose1, Christopher Jones2, Stacy Drury3, 1Tulane University School of Medicine, New Orleans, LA, 2University of Pennsylvania School of Medicine, Philadelphia, PA, 3Tulane University, New Orleans, LA
Thursday November 11, 2021 continued

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

3:30 - 3:38 PM
PRENATAL EXPOSURE TO GESTATIONAL DIABETES IMPACTS REWARD TASK-BASED FUNCTIONAL CONNECTIVITY IN CHILDREN (Flash-1)
**Alexander Dufford**¹, Stephanie Noble², Dustin Scheinost
¹Yale School of Medicine, New Haven, CT, ²Yale 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**¹, Alexandra Ballinger², Alytia Levendosky¹, Joseph Lonstein¹, G. Anne Bogat¹, Maria Muzik², Amy Nuttall²
¹Michigan State University, East Lansing, MI, ²Michigan State University, East Lansing, ³University 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-Genç**¹, Vincent Valton², Louise Neil¹, Vivien Vuong¹, Zoë Freeman³, Katy Packer¹, Marianne Kiffin¹, Jonathan Roiser¹, Essi Viding¹, Eamon McCrory¹
¹University College London, London, United Kingdom, ²UCL, London, United Kingdom, ³University 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**¹, Cody Bartz², Helena Rutherford¹
¹Yale University, New Haven, CT, ²American University, Washington, DC
4:14 - 4:22 PM
EARLY-LIFE ACETAMINOPHEN EXPOSURE, INFLAMMATION, AND BEHAVIOR: DEVELOPING A TRANSLATIONALLY-RELEVANT RODENT MODEL (Flash-5)
Christopher Harshaw¹, Anna Warner²
¹University of New Orleans, New Orleans, LA, ²University 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-Aitken¹, Nicolò Pini², Maya Mester¹, Natalie Brito³
¹New York University, New York, ²Columbia University Irving Medical Center, New York, NY, ³New 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 Feurer¹, Jennifer Suor¹, Katie Burkhouse², Kathryn Keenan³
¹University of Illinois at Chicago, Chicago, IL, ²University of Illinois at Chicago, Chicago, ³University 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 Canyelles¹, Haerin Chung², Marlene Meyer³, Amanda Woodward⁴
¹University of Chicago, Chicago, Illinois, ²The University of Chicago, Chicago, Illinois, ³Radboud University Nijmegen, Nijmegen, Netherlands, ⁴University of Chicago, Chicago

4:58 - 5:06 PM
LATENT PROFILE OF TEMPERAMENTAL SHYNESS IN CHILDREN: PHYSIOLOGICAL, BEHAVIORAL, AND AFFECTIVE COMPONENTS (Flash-9)
Kristie Poole¹, Louis Schmidt²
¹University of Waterloo, Waterloo, Ontario, ²McMaster 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 Hunter¹, Julie Markant¹
¹Tulane University, New Orleans, LA
Thursday November 11, 2021 continued

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

Friday, November 12, 2021

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 (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 - 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\(^1\), Lindsey Mooney\(^2\), Christine Nordahl\(^3\), Simona Ghetti\(^2\)

\(^1\)Temple University, Philadelphia, PA, \(^2\)University of California, Davis, Davis, \(^3\)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 Unger¹, Olivera Savic¹, Vladimir Sloutsky¹
¹Ohio 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: Sofía 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 Cárdenas¹, Kathryn Humphreys¹, Autumn Kujawa¹
¹Vanderbilt 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 Riem¹, Lisa Horstman¹, Kim Alyousefi-van Dijk¹, Anna Lotz¹, Maaike Cima¹, Marinus Van IJzendoorn², Marian Bakermans-Kranenburg³
¹Radboud University, Nijmegen, Netherlands, Netherlands, ²University of London, London, United Kingdom, ³VU 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 Peoples¹, Amanda Lowell², Madison Bunderson³, Cody Bartz⁴, Sarah Yip², Helena Rutherford²
¹Texas A&M University, College Station, TX, ²Yale University, New Haven, CT, ³Stanford Graduate School of Education, Stanford, CA, ⁴American 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:

WILEY

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 Kenkel¹, Allison Perkeybile², John Reinhart³, Marcy Kingsbury⁴, C. Sue Carter³
¹University of Delaware, Newark, DE, ²Kinsey Institute, Indiana University, Bloomington, IN, ³Kinsey Institute, Indiana University, Bloomington, ⁴Harvard 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 Gildawie¹, Michaela Fanikos², Lakshanyaa Thamaria Kannan², Alissa Valentine², Theres Alexander², Lillian Ein³, Heather Brenhouse³
¹Tufts University, North Grafton, MA, ²Northeastern University, Boston, ³Northeastern University, Boston, MA

3:00 - 3:12 PM
METABOLIC PROTEINS AT BIRTH PREDICT EARLY CHILDHOOD PSYCHOLOGICAL SYMPTOMS (O2-3)
Samantha Scott¹, Erika Manczak²
¹University of Denver, Denver, CO, ²University 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 Martin¹, Tania Roth¹, Madelyn Labella², Kailee Polkabla², Mary Dozier¹
¹University of Delaware, Newark, DE, ²University 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: Koraly 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 Cavigelli¹, Elyse McMahon², Saaniya Farhan³
¹Pennsylvania State Univ, University Park, PA, ²Penn State University, State College, ³Pennsylvania State University, University Park

4:04 - 4:21 PM
USING MOBILE EYE-TRACKING TO CAPTURE ATTENTION AND SOCIAL BEHAVIOR IN THE MOMENT (S6-2)
Koraly Perez-Edgar¹, Kelley Gunther², Alicia Vallorani², Leigha MacNeill³, Xiaoxue Fu⁴
¹The Pennsylvania State University, University Park, PA, ²The Pennsylvania State University, State College, PA, ³Northwestern University Feinberg School of Medicine, Chicago, IL, ⁴University 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 Schmidt¹, Cheryl Chow¹, Richard Xu, Jhanahan Sriranjan, Kristie Poole³, Raha Hassan⁴, Ryan Van Lieshout, Norman Buckley
¹McMaster University, Hamilton, ²McMaster University, ³University of Waterloo, Waterloo, Ontario, ⁴McMaster University, Hamilton, ON
Friday November 12, 2021 continued

4:38 - 4:55 PM
REAL-WORLD CONSEQUENCES OF EARLY BEHAVIORAL INHIBITION: MODERATION BY SOCIAL CONTEXT AND ERROR MONITORING (S6-4)
Santiago Morales¹, Selin Zeytinoglu², George Buzzell³, Nathan Fox³
¹University of Southern California, Los Angeles, CA, ²University of Maryland, Baltimore, MD, ³University of Maryland, College Park, MD

4:55 - 5:15 PM
Discussion Q&A

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
Friday November 12, 2021 continued

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 HYBRID: 55TH ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY, NOVEMBER 9-11, 2022 AT THE CATAMARAN RESORT HOTEL & SPA, IN SAN DIEGO, USA

ADJOURN

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

<table>
<thead>
<tr>
<th>Melody Altschuler</th>
<th>Morgan Gomez</th>
<th>Abigail Myers</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Minnesota</td>
<td>Georgia State University</td>
<td>Wayne State University</td>
</tr>
<tr>
<td>Minneapolis, United States</td>
<td>Atlanta, United States</td>
<td>Detroit, United States</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cynthia Alvarado</th>
<th>Kelley Gunther</th>
<th>Gwendolyn Ngoh*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purdue University</td>
<td>The Pennsylvania State University</td>
<td>Nanyang Technological University</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>West Lafayette, United States</th>
<th>State College, United States</th>
<th>Singapore, Singapore</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Berenice Anaya</th>
<th>Emma Hart</th>
<th>Victoria Petrulla</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Pennsylvania State University</td>
<td>Teachers College, Columbia University</td>
<td>Florida International University</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alana Anderson</th>
<th>Lauren Hartstein</th>
<th>Jennifer Phillips</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Park, United States</td>
<td>New York, United States</td>
<td>South Miami, United States</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Washington State University</th>
<th>University of Colorado Boulder</th>
<th>Virginia Tech</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pullman, United States</th>
<th>Boulder, United States</th>
<th>Blacksburg, United States</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Laura Bierstedt</th>
<th>Raha Hassan</th>
<th>Nicolò Pini</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rutgers University</td>
<td>McMaster University</td>
<td>Columbia University Irving Medical Center</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Newark, United States</th>
<th>Hamilton, Canada</th>
<th>New York, United States</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Paul Bloom</th>
<th>Yannan Hu</th>
<th>Kristie Poole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columbia University</td>
<td>University of Illinois at Urbana-Champaign</td>
<td>University of Waterloo</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New York, United States</th>
<th>Urbana, United States</th>
<th>Waterloo, Canada</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Gabrielle Bonanno</th>
<th>Erin Hunt</th>
<th>Novella Pretti</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purdue University</td>
<td>University Of South Carolina</td>
<td>Istituto Italiano di Tecnologia</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>West Lafayette, United States</th>
<th>Columbia, United States</th>
<th>Genova, Italy</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Aimee Lynn Bozeman</th>
<th>Brianna Hunter</th>
<th>Francesca Querdasi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idaho State University</td>
<td>Tulane University</td>
<td>University of California, Los Angeles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pocatello, United States</th>
<th>New Orleans, United States</th>
<th>Los Angeles, United States</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Annie Brandes-Aitken</th>
<th>Noor Jarbou*</th>
<th>Vida Reboło</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York University</td>
<td>University of Wollongong</td>
<td>University of California, Irvine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New York, United States</th>
<th>North Wollongong, Australia</th>
<th>Irvine, United States</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Alexis Brien*</th>
<th>Elliott Johnson</th>
<th>Amanda Reichert</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yale University</td>
<td>Temple University</td>
<td>Miami University</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Haven, United States</th>
<th>Philadelphia, United States</th>
<th>Oxford, United States</th>
</tr>
</thead>
</table>
### 2021 ISDP Student/Postdoc Member Travel and Abstract Awards: continued

<table>
<thead>
<tr>
<th>Name</th>
<th>University/Institution</th>
<th>City, Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>April Brown</td>
<td>Emory University</td>
<td>Atlanta, United States</td>
</tr>
<tr>
<td>Finola Kane-Grade</td>
<td>University of Minnesota</td>
<td>Minneapolis, United States</td>
</tr>
<tr>
<td>Brie Reid</td>
<td>Warren Alpert Medical School of Brown Univ</td>
<td>Providence, United States</td>
</tr>
<tr>
<td>Madeleine Bruce</td>
<td>Virginia Polytechnic Institute &amp; State University</td>
<td>Blacksburg, United States</td>
</tr>
<tr>
<td>Silvana Kaouar*</td>
<td>University of New South Wales</td>
<td>Newark, United States</td>
</tr>
<tr>
<td>Lori Reid</td>
<td>University of Minnesota</td>
<td>University of New South Wales</td>
</tr>
<tr>
<td>Taylor Campbell</td>
<td>University of Delaware</td>
<td>Newark, United States</td>
</tr>
<tr>
<td>Marta Korom</td>
<td>University of Delaware</td>
<td>Sofia Cardenas*</td>
</tr>
<tr>
<td>Nicole Rheinheimer*</td>
<td>Radboudumc Nijmegen</td>
<td>Georgia Tech University</td>
</tr>
<tr>
<td>Emilia Cárdenas*</td>
<td>Virginia Polytechnic Institute &amp; State University</td>
<td>Emilia Cárdenas*</td>
</tr>
<tr>
<td>Samantha Lauby</td>
<td>University of Texas at Austin</td>
<td>Natasha Chaku*</td>
</tr>
<tr>
<td>Cristina Rodriguez</td>
<td>San Diego State University</td>
<td>Keira Leneman</td>
</tr>
<tr>
<td>Haerin Chung</td>
<td>University of Michigan</td>
<td>University of Michigan</td>
</tr>
<tr>
<td>Xiaomei Li*</td>
<td>University of Illinois at Urbana-Champaign</td>
<td>Ann Arbor, United States</td>
</tr>
<tr>
<td>Jana Runze*</td>
<td>University of Marvel</td>
<td>New York, United States</td>
</tr>
<tr>
<td>Kara Cochran*</td>
<td>Urbana, United States</td>
<td>Aberdeen, United States</td>
</tr>
<tr>
<td>Tabitha Sellers</td>
<td>Michigan State University</td>
<td>New York, United States</td>
</tr>
<tr>
<td>Alexandra Cohen</td>
<td>New York University</td>
<td>Natasha Chakuk*</td>
</tr>
<tr>
<td>Yuqing Liu</td>
<td>University of Minnesota</td>
<td>Washington, United States</td>
</tr>
<tr>
<td>Katrina Simon</td>
<td>Teacher’s College</td>
<td>Beijing, China</td>
</tr>
<tr>
<td>Sarah Curci</td>
<td>New York University</td>
<td>New York, United States</td>
</tr>
<tr>
<td>Diana Lopera-Perez</td>
<td>Minneapolis, United States</td>
<td>Karen Smith</td>
</tr>
<tr>
<td>Arizona State University</td>
<td>Boston University, Universidad del Norte</td>
<td>University of Wisconsin – Madison</td>
</tr>
<tr>
<td>childhood, United States</td>
<td>Boston, United States</td>
<td>Madison, United States</td>
</tr>
<tr>
<td>Sarah Curci</td>
<td>Maristella Lucchini</td>
<td>Eszter Szekely</td>
</tr>
<tr>
<td>Arizona State University</td>
<td>Columbia University Irving Medical Center</td>
<td>McGill University</td>
</tr>
<tr>
<td>Phoenix, United States</td>
<td>new York, United States</td>
<td>Montreal, Canada</td>
</tr>
</tbody>
</table>

*Names with an asterisk (*) indicate a co-authorship.
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meriah DeJoseph</td>
<td></td>
<td>University of Minnesota</td>
</tr>
<tr>
<td>Sarah Lynch</td>
<td></td>
<td>Boston University</td>
</tr>
<tr>
<td>Katharina Tisborn</td>
<td></td>
<td>Ruhr University Bochum</td>
</tr>
<tr>
<td>Camila Demaestri*</td>
<td>Marisa Lytle</td>
<td>Columbia University</td>
</tr>
<tr>
<td>Praachi Tiwari</td>
<td></td>
<td>The Pennsylvania State University</td>
</tr>
<tr>
<td>New York, United States</td>
<td></td>
<td>State College, United States</td>
</tr>
<tr>
<td>Aaron DeMasi*</td>
<td>Alleyna Martes</td>
<td>The City University of New York</td>
</tr>
<tr>
<td>Elisa Ugarte</td>
<td></td>
<td>Idaho State University</td>
</tr>
<tr>
<td>New York, United States</td>
<td></td>
<td>Pocatello, United States</td>
</tr>
<tr>
<td>Nicole Dennis</td>
<td>Christiana Martin</td>
<td>Western Carolina University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of Delaware</td>
</tr>
<tr>
<td>Emilio Valadez</td>
<td></td>
<td>Holly Springs, United States</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Newark, United States</td>
</tr>
<tr>
<td>Elizabeth Edgar</td>
<td>Kirsten McLaughlin</td>
<td>Columbia University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The University of North Carolina at Chapel Hill</td>
</tr>
<tr>
<td>Florida International University</td>
<td></td>
<td>Miami, United States</td>
</tr>
<tr>
<td></td>
<td>Chapel Hill, United States</td>
<td></td>
</tr>
<tr>
<td>Melissa Engel</td>
<td>Mia Mclean</td>
<td>Emory University</td>
</tr>
<tr>
<td>Anna Warner</td>
<td></td>
<td>The University of British Columbia</td>
</tr>
<tr>
<td>Andrea Fields</td>
<td>Adriana Mendez Leal*</td>
<td>Atlanta, United States</td>
</tr>
<tr>
<td>W. Tang Watanasriyakul</td>
<td></td>
<td>Vancouver, Canada</td>
</tr>
<tr>
<td>Columbia University</td>
<td></td>
<td>New York, United States</td>
</tr>
<tr>
<td>Meghan Gallo</td>
<td>Danieli Mercado-Ramos</td>
<td>Los Angeles, United States</td>
</tr>
<tr>
<td>Denise Werchan</td>
<td></td>
<td>Brown University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Illinois State University</td>
</tr>
<tr>
<td>Providence, United States</td>
<td></td>
<td>Normal, United States</td>
</tr>
<tr>
<td>Erika Garcia Mora</td>
<td>Wesley Meredith</td>
<td>New York, United States</td>
</tr>
<tr>
<td>Jessica Whitaker-Fornek</td>
<td></td>
<td>University of Florida</td>
</tr>
<tr>
<td>Louisiana State University</td>
<td></td>
<td>University of California, Los Angeles</td>
</tr>
<tr>
<td>Baton Rouge, United States</td>
<td></td>
<td>Los Angeles, United States</td>
</tr>
<tr>
<td>Melissa Giebler</td>
<td>Chenelle Miller*</td>
<td>Teachers College, Columbia University</td>
</tr>
<tr>
<td>Amanda White</td>
<td></td>
<td>University of Virginia</td>
</tr>
<tr>
<td>New York, United States</td>
<td></td>
<td>Charlottesville, United States</td>
</tr>
<tr>
<td>Courtney Gilchrist*</td>
<td>Brianna Minshall</td>
<td>New York State Psychiatric Institute</td>
</tr>
<tr>
<td>Deaven Winebrake*</td>
<td></td>
<td>University of California, Irvine.</td>
</tr>
<tr>
<td>RMIT University</td>
<td>Miami University</td>
<td>University of Minnesota</td>
</tr>
<tr>
<td>Bundoola, Australia</td>
<td>Oxford, United States</td>
<td></td>
</tr>
<tr>
<td>Lissete Gimenez</td>
<td>Minhasul Moinsin</td>
<td>New York, United States</td>
</tr>
<tr>
<td>Danruo Zhong</td>
<td></td>
<td>Reno, United States</td>
</tr>
</tbody>
</table>

2021 ISDP Student/Postdoc Member Travel and Abstract Awards: continued
ISDP 2021 Awards Committee:

Jennifer Silvers, PhD (Chair)
Natalie Brito
Bridget Callaghan

2021 Award Winners:

2021 Rovee-Collier Mentor Award Winner: Megan Gunnar, PhD
2021 Senior Investigator Award, Regina Marie Sullivan, PhD

Amy Lea.mnth, 2021 Distinguished Service Award Winner
Julie Campbell, 2021 Distinguished Service Award Winner

ISDP 2021 Trainee & Early-Career Award Winners

2021 David Kucharski Young Investigator Award, Maya Opendak, PhD
2021 David Kucharski Young Investigator Award, Kathryn Leigh Humphreys, Ph.D., Ed.M.
2021 Dissertation Award, Kristie L. Poole, PhD
2021 Sandra G. Wiener Student Investigator Award, Mariann A. Howland