

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

ISDP International Society for
Developmental Psychobiology



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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, Binghamton 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

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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.!

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

Wednesday, November 10, 2021

1:00 PM - 2:30 PM

Sponsored by: 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:



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

¹*University of Minnesota, Twin Cities, Minneapolis, MN*, ²*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 Reid¹, Laura Stroud²

¹*Warren Alpert Medical School of Brown University, Providence, RI*, ²*Brown 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:



COLUMBIA UNIVERSITY
DEPARTMENT OF PSYCHIATRY

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, ¹*Idaho State University, Pocatello, ID*, ²*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 Terrell¹, 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 White¹, 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 Smith¹, 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 Suor¹, 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, ¹*Tilburg University, Tilburg, Other, Netherlands*, ²*Columbia University, New York, NY*, ³*NYU, New York, NY*, ⁴*University of Pittsburgh, Pittsburgh, PA*, ⁵*NYU Langone 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 Brennan², ¹*NYU, New York, NY*, ²*Emory University, Atlanta, GA*, ³*Emory 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, ¹*Wayne State University School of Medicine, Detroit, MI*, ²*Wayne 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, ¹*Tulane University School of Medicine, New Orleans, LA*, ²*University of Pennsylvania School of Medicine, Philadelphia, PA*, ³*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

3:30 - 3:38 PM

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

Alexander Dufford¹, Stephanie Noble², Dustin Scheinost

¹*Yale School of Medicine, New Haven, CT*, ²*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 Cochran¹, Alexandra Ballinger², Alytia Levendosky¹, Joseph Lonstein¹, G. Anne Bogat¹, Maria Muzik³, Amy Nuttall²

¹*Michigan State University, East Lansing, MI*, ²*Michigan State University, East Lansing*, ³*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-Genç¹, Vincent Valton², Louise Neil¹, Vivien Vuong¹, Zoë Freeman³, Katy Packer¹, Marianne Kiffin¹, Jonathan Roiser¹, Essi Viding¹, Eamon McCrory¹

¹*University College London, London, United Kingdom*, ²*UCL, London, United Kingdom*, ³*University Collge 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 Dettmer¹, Cody Bartz², Helena Rutherford¹

¹*Yale University, New Haven, CT*, ²*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 Harshaw¹, Anna Warner²

¹*University of New Orleans, New Orleans, LA*, ²*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-Aitken¹, Nicolò Pini², Maya Mester¹, Natalie Brito³

¹*New York University, New York*, ²*Columbia University Irving Medical Center, New York, NY*, ³*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 Feurer¹, Jennifer Suor¹, Katie Burkhouse², Kathryn Keenan³

¹*University of Illinois at Chicago, Chicago, IL*, ²*University of Illinois at Chicago, Chicago*, ³*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 Canyelles¹, Haerin Chung², Marlene Meyer³, Amanda Woodward⁴

¹*University of Chicago, Chicago, Illinois*, ²*The University of Chicago, Chicago, Illinois*, ³*Radboud University Nijmegen, Nijmegen, Netherlands*, ⁴*University 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

¹*University of Waterloo, Waterloo, Ontario*, ²*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 Hunter¹, Julie Markant¹

¹*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**

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 Johnson¹, Lindsey Mooney², Christine Nordahl³, Simona Ghetti²

¹Temple University, Philadelphia, PA, ²University of California, Davis,
Davis, ³University 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

¹*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 Cárdenas¹, Kathryn Humphreys¹, Autumn Kujawa¹

¹*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 Riem¹, Lisa Horstman¹, Kim Alyousefi-van Dijk¹, Anna Lotz¹, Maaïke Cima¹,
Marinus Van IJzendoorn², Marian Bakermans-Kranenburg³

¹*Radboud University, Nijmegen, Netherlands, Netherlands*, ²*University of London,
London, United Kingdom*, ³*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 Peoples¹, Amanda Lowell², Madison Bunderson³, Cody Bartz⁴, Sarah Yip²,
Helena Rutherford²

¹*Texas A&M University, College Station, TX*, ²*Yale University, New Haven,
CT*, ³*Stanford Graduate School of Education, Stanford, CA*, ⁴*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 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, Therese 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 Polkabl², 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

¹*Pennsylvania State Univ, University Park, PA*, ²*Penn State University, State College*, ³*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)

Koraly Perez-Edgar¹, Kelley Gunther², Alicia Vallorani², Leigha MacNeill³, Xiaoxue Fu⁴

¹*The Pennsylvania State University, University Park, PA*, ²*The Pennsylvania State University, State College, PA*, ³*Northwestern University Feinberg School of Medicine, Chicago, IL*, ⁴*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 Schmidt¹, Cheryl Chow¹, Richard Xu, Jhanahan Sriranjana, Kristie Poole³, Raha Hassan⁴, Ryan Van Lieshout, Norman Buckley

¹*McMaster University, Hamilton*, ²*McMaster University*, ³*University of Waterloo, Waterloo, Ontario*, ⁴*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 Morales¹, Selin Zeytinoglu², George Buzzell³, Nathan Fox³

¹*University of Southern California, Los Angeles, CA*, ²*University of Maryland, Baltimore, MD*, ³*University 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:

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

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

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

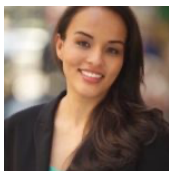
2021 ISDP Student/Postdoc Member Travel and Abstract Awards: *continued*

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

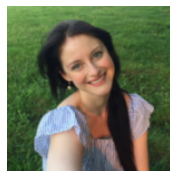
ISDP 2021 Awards Committee:



Jennifer Silvers, PhD
(Chair)

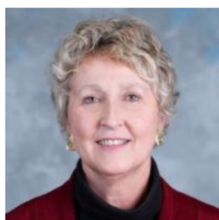


Natalie Brito



Bridget Callaghan

2021 Award Winners:

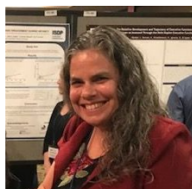


2021 Rovee-Collier Mentor Award Winner: Megan Gunnaer, PhD



2021 Senior Investigator Award, Regina Marie Sullivan, PhD

.....



Amy Learmonth, 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