



**ISDP 2024: 57TH
ANNUAL MEETING**

SWISSOTEL, CHICAGO, USA

OCTOBER 2-4, 2024

**IMMEDIATELY PRECEDING SFN NEUROSCIENCE
2024**

Final Program

ISDP 2024: 57th Annual Meeting of the International Society for Developmental Psychobiology

October 2-4, 2024, Swissotel, Chicago, USA
(immediately preceding SfN Neuroscience 2024)

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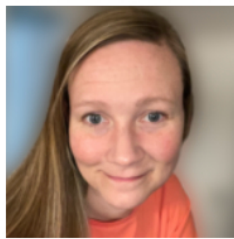
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International Society for Developmental Psychobiology

270 Oak Avenue

River Edge, NJ 07661 USA

Virtual Office of the Managing Director:

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www.isdp.org

joefner@isdp.org

Conference Program & Oral Presentations

Wednesday, October 2, 2024

All General Sessions are in the Lucerne Ballroom

09:00 - 10:30 PC1 PERINATAL PRE-CONFERENCE OPENING & COHORT FLASH TALKS

Session Chair: Marion van den Heuvel

Several ISDP members will present their pregnancy/birth cohort in short flash talks. Learn about all the cohorts that exist with our community!

Time	Topic	Presenter
9:00-9:15	Opening	
9:10:9:20	COVID-19 Mother Baby Outcomes (COMBO) Study	Morgan Firestein & Andreane Lavallee
9:20-9:30	CARE project	LillyBelle Deer & Melissa Nevarez Brewster
9:30-9:40	Mother-Infant Neurobiological Development (MIND) Study	Karlen Lyons-Ruth
9:40-9:50	Brabant Study	Marion I. van den Heuvel
9:50-10:00	Neuro-Environmental Study of fetal Trajectories (NEST) Study	Cassandra Hendrix
10:00-10:10	Intergenerational Risk and Resilience of Rohingya in Displacement (iRRRd) Study	Elisa Ugarte
10:10-10:20	HBCD Study	Koraly Pérez-Edgar
10:20-10:30	Q&A	

10:30 - 10:45 Coffee Break in the Lucerne Foyer

10:45 - 12:15 PC2 PERINATAL PRE-CONFERENCE LESSONS LEARNED: RETURN OF RESULTS

Session Chair: Marion van den Heuvel

During this I-FIBB organized session, you will hear from several experts in the field about their Lessons Learned regarding return of results. Participants of our pregnancy and birth cohort studies are of paramount importance – without them there would be no research. How can we thank our participants for their participation? Should we all communicate results with them through the new social media platforms (or not)? Are there any returns on results that are not allowed by the ethical review board or any that are mandatory to report? @ipbbn

12:15 - 13:45 Lunch Break (On-Own)

13:45 - 15:15 S1 Perinatal Symposium 1: NEW DIRECTIONS IN MATERNAL NEURAL RESPONDING TO INFANTS RESEARCH

Session Chairs: Ashley Groh, Helena Rutherford

S1-1 MOTHERS' SECURE BASE SCRIPT KNOWLEDGE AND NEURAL RESPONSES TO INFANT EMOTIONS, Kristin Bernard¹, Grace Shariat Panahi¹, Calla Lewis¹, Suzanne Vaccaro², Galia Nissim¹, Sierra Kuzava³, Rachel Mercorella¹

¹Stony Brook University, Stony Brook, USA. ²University of New Mexico, Albuquerque, USA.

³University of California, Los Angeles, Los Angeles, USA

S1-2 Psychological Risks and Expectant Mothers' Neural Responding to Infant Emotional Facial Expressions, Tingyan Liu¹, Ashley Groh¹, Dana Meyerson², Ava Overman¹

¹University of Missouri - Columbia, Columbia, USA. ²Syracuse University, Syracuse, USA

S1-3 NUANCES IN THE BENEFITS OF MOTHER-INFANT SYNCHRONY, Sarah G. Peoples¹, Emily Mallin¹, Kylie McDaniel¹, Aliuna Schorn¹, Chloe Van Noy¹, Abigail Varghese¹, Elizabeth J. Kiel², Rebecca J. Brooker¹

¹Texas A&M University, College Station, USA. ²Miami University, Oxford, USA

S1-4 INVESTIGATING ASSOCIATIONS BETWEEN MATERNAL NEURAL RESPONSIVITY AND INFANT DEVELOPMENTAL OUTCOMES, Kathryn Wall¹, Francesca Penner², Jaclyn Dell³, Kathryn Armstrong¹, Amanda Lowell¹, Marc Potenza¹, Linda Mayes¹, Helena Rutherford¹

¹Yale University, New Haven, USA. ²Baylor University, Waco, USA. ³University of South Florida, Tampa, USA

15:15 - 15:30 Coffee Break in the Lucerne Ballroom Visit our Exhibitors, Magstim EGI and Brain Vision

15:30 - 17:00 S2 Presidential Symposium 2: Opening Session: MINDING OUR MICROBES: EXAMINING THE ROLE OF THE GUT MICROBIOME IN DEVELOPMENTAL PSYCHOPATHOLOGY

Session Chair: Sarah Vogel

S2-1 EXAMINING GUT MICROBIOME DEVELOPMENT ACROSS INFANCY AND FEAR BEHAVIORS IN EARLY CHILDHOOD, Sarah Vogel¹, Nicolas Murgueitio², Nicole Huth¹, Kathy Sem¹, Rebecca Knickmeyer³, Roger Mills-Koonce², Cathi Propper², Nicholas Wagner¹

¹Boston University, Boston, USA. ²University of North Carolina, Chapel Hill, USA. ³Michigan State University, East Lansing, USA

S2-2 MATERNAL PERINATAL STRESS, BREASTFEEDING, AND CHILD NEURODEVELOPMENT: ASSOCIATIONS WITH THE INFANT MICROBIOME IN AN AFRICAN AMERICAN SAMPLE, Patricia Brennan¹, Brooke McKenna¹, Anne Dunlop², Elizabeth Corwin³

¹Department of Psychology, Emory University, Atlanta, USA. ²Department of Gynecology and Obstetrics, School of Medicine, Emory University, Atlanta, USA. ³School of Nursing, Columbia University, New York, USA

S2-3 ADVERSITY MODERATES THE QUADRATIC DISTRIBUTION OF GUT MICROBIOME FEATURES ACROSS AGE - IMPLICATIONS FOR INTERNALIZING SYMPTOMS, Naomi Gancz¹,

Jennifer Silvers¹, Tricia Choy², Michelle VanTieghem³, Nim Tottenham³, Bridget Callaghan¹

¹University of California Los Angeles, Los Angeles, USA. ²University of California Riverside, Riverside, USA. ³Columbia University, New York, USA

S2-4 VARIABILITY IN HUMAN INFANT MICROBIOMES HAS ALTERED THE DENDRITIC MORPHOLOGY IN GERM-FREE MICE, Harikesh Dubey, Rohon Roychoudhury, Sheng Liu, Antonio White, Ann Alex, Rebecca Knickmeyer

The Institute for Quantitative Health Sciences & Engineering, Michigan State University, East Lansing, USA

17:00 - 18:00 Wiley Keynote Speaker: LIFE-SPAN EFFECTS OF EARLY LIFE ADVERSITY ON STRESS, EMOTIONAL REGULATION AND REWARD NEUROCIRCUITS, Mar Sanchez, PhD,

Division Chief and Core Scientist, Developmental and Cognitive Neuroscience Division, Emory National Primate Research Center

Professor, Department of Psychiatry & Behavioral Sciences, Emory University School of Medicine

18:00 - 20:00 P1 POSTER SESSION 1 & PRESIDENT'S RECEPTION in the Alpine Ballroom

Odd number posters presented from 18:00 – 19:00 / Even number posters presented from 19:00 – 20:00

Thursday, October 3, 2024

07:00 - 08:00 AFFINITY GROUP BREAKFAST MEETING: FOSTERING COMMUNITY AT ISDP
Zermatt/Gstaad Room

07:00 – 08:00 Continental Breakfast in the Lucerne Ballroom Foyer

All General Sessions are in the Lucerne Ballroom

08:00 - 09:00 O1 ORAL SESSION 1: CHILD PHYSICAL HEALTH

Session Chair: Megan Gunnar

08:00 - 08:10 O1-1 EXPLORATORY ANALYSIS OF HEART RATE VARIABILITY IN INFANTS USING WEARABLE SENSORS IN A POPULATION WITH HIGH INSTANCES OF ADVERSE CHILDHOOD EXPERIENCES, [Sadie Bennison](#)¹, [Pat Levitt](#)^{1,2}

¹Children's Hospital Los Angeles, Los Angeles, USA. ²Keck School of Medicine, USC, Los Angeles, USA

08:10 - 08:20 O1-2 ASSOCIATIONS BETWEEN NEIGHBORHOOD CRIME AND HARSH PARENTING IN RELATION TO CHILDHOOD INFLAMMATION, [Jennifer Suor](#)¹, [Cope Feurer](#)², [Katie Burkhouse](#)^{3,1}

¹University of Illinois Chicago, Chicago, USA. ²University of North Carolina at Chapel Hill, Chapel Hill, USA. ³The Pennsylvania State University, State Park, USA

08:20 - 08:30 O1-3 METABOLISM AFTER CESAREAN DELIVERY: UNDERSTANDING FUTURE FITNESS, [Miranda Partie](#)¹, [Withayapon Watanasriyakul](#)¹, [James Blevins](#)², [Sara Freeman](#)³, [William Kenkel](#)¹

¹University of Delaware, Newark, DE, USA. ²University of Washington, Seattle, WA, USA. ³Utah State University, Logan, UT, USA

08:30 - 08:40 O1-4 UNPREDICTABILITY OF MATERNAL SENSORY SIGNALS DURING INFANCY AND TRAJECTORIES OF BODY MASS INDEX FROM INFANCY TO ADOLESCENCE, [Emily Melnick](#)^{1,2}, [LillyBelle Deer](#)², [Jenalee Doom](#)², [Laura Glynn](#)³, [Curt Sandman](#)⁴, [Elysia Davis](#)²

¹University of Colorado Anschutz Medical Campus, Aurora, USA. ²University of Denver, Denver, USA. ³Chapman University, Orange, USA. ⁴University of California Irvine, Orange, USA

08:40 - 08:50 O1-5 CHRONIC HYPOTHALAMIC-PITUITARY-ADRENAL (HPA) AXIS ACTIVITY IN SCHOOL CHILDREN AS A FUNCTION OF EDUCATIONAL SETTING, [Amanda Dettmer](#)¹, [Chloe Simon](#)², [Noe Toppin](#)², [Cynthia Tong](#)³, [Angeline Lillard](#)³

¹Yale Child Study Center, Yale School of Medicine, New Haven, USA. ²Yale University, New Haven, USA. ³University of Virginia, Charlottesville, USA

08:50 - 09:00 O1-6 YOUNG ADULTS' RESILIENCE IN THE CONTEXT OF LONELINESS: THE MODERATING ROLE OF AUTONOMIC NERVOUS SYSTEM ACTIVITY AT REST AND IN RESPONSE TO CHALLENGE, [Lauren Philbrook](#), [Sara Garcia](#), [Dylan Gutterman](#), [Lindsay Hess](#)

Colgate University, Hamilton, USA

09:00 - 10:30 S3 WILEY Young Investigator Symposium 3: CROSS-SPECIES APPROACHES TO UNDERSTANDING THE NEUROBIOLOGICAL DEVELOPMENT OF SOCIAL RELATIONSHIPS ACROSS THE LIFESPAN

Session Chair: Deborah Han

S3-1 DO CLOSE FRIENDS ACT AS EFFECTIVE SOCIAL BUFFERS IN ADOLESCENCE?,

Clarissa Filetti, University of Minnesota, Twin Cities, USA

S3-2 SOCIAL BUFFERING OF THE CORTISOL STRESS RESPONSE BY SIBLINGS,

Deborah Han, University of Denver, Centennial, USA

S3-3 INVESTIGATING PAIR BONDING ONTOGENY IN A MONOGAMOUS RODENT MODEL

Lisa Hiura, University of Colorado Boulder, Boulder, USA

S3-4 DEVELOPMENT AND INTERGENERATIONAL PERSPECTIVES ON CORTICOLIMBIC BRAIN STRUCTURES AND ITS RELATION TO MENTAL WELL-BEING, Plamina Dimanova^{1,2},

Réka Borbás¹, Elena Federici^{1,2}, Sofia Scatolin¹, Nora Raschle^{1,2}

¹Jacobs Center for Productive Youth Development, University of Zurich, Zurich, Switzerland.

²Neuroscience Center Zurich, University of Zurich and ETH Zurich, Zurich, Switzerland

10:30 - 11:00 Coffee Break in the Lucerne Ballroom Visit our Exhibitors, Magstim EGI and Brain Vision

11:00 - 12:00 O2 Oral Session 2: BRAIN DEVELOPMENT & NEUROIMAGING

Session Chair: Koraly Perez-Edgar

11:00 - 11:10 O2-1 TRAJECTORIES OF SOCIO-COGNITIVE AND AFFECTIVE FUNCTIONING AFTER EARLY SOCIAL DEPRIVATION IN MACAQUES: A LONGITUDINAL MRI/DTI STUDY

Holly Rayson^{1,2}, Alice Massera^{1,2}, Hind Errame^{1,2}, James Bonaiuto^{1,2}, Mathilda Froesel^{1,2}, Yann Bihan-Poudec^{1,2}, Maeva Gacoin^{1,2}, Mauro Belluardo³, Nathalie Richard^{1,2}, Suliann Ben Hamed^{1,2}, Bassem Hiba^{1,2}, Pier Francesco Ferrari^{1,2,3}

¹Institute des Sciences Cognitives - Marc Jeannerod, Bron, France. ²Université Claude Bernard Lyon 1, Lyon, France. ³Università degli Studi di Parma, Parma, Italy

11:10 - 11:20 O2-2 NEURAL INDICES OF AUDITORY STATISTICAL LEARNING IN INFANCY ASSOCIATED WITH CONCURRENT LANGUAGE SKILLS AT 24-MONTHS IN A SAMPLE OF SOUTH AFRICAN INFANTS, Sarah McCormick¹, Tess Forest², Lauren Davel³, Michal Zieff³, Khula

South Africa Data Collection Team³, Kirsten Donald³, Laurel Gabard-Durnam¹

¹Northeastern University, Boston, USA. ²Columbia University, New York, USA. ³University of Cape Town, Cape Town, South Africa

11:20 - 11:30 O2-3 COUPLING BETWEEN RESPIRATORY SINUS ARRHYTHMIA AND NEURAL ACTIVITY DURING AN ATTENTION TASK IN 3-MONTH-OLD INFANTS, Annie Aitken, Amy Hume,

Lisette Gimenez, Natalie Brito

New York University, New York, USA

11:30 - 11:40 O2-4 A TWO-HIT MODEL OF JUVENILE IMMUNE ACTIVATION AND ADULT, STRESS SYNERGISTICALLY ALTERS COGNITIVE FUNCTION IN ADULT MICE, Rachel Rahn¹,

Divija Chopra¹, Vivian Block^{1,2}, Gabriela Manzano Nieves¹, Christopher Parkhurst¹, Conor Liston¹
¹Weill Cornell Medicine, New York, USA. ²Hunter College, New York, USA

11:40 - 11:50 O2-5 DIVERGENT REWARD CUE REPRESENTATION IN PREFRONTAL CORTEX UNDERLIE DIFFERENCES IN REWARD MOTIVATION BETWEEN ADOLESCENTS AND ADULTS, Gabriela Manzano Nieves¹, Rachel Rahn¹, Saba Baskoylu², Conor Liston³

¹Weill Cornell Medicine, New York, USA. ²Massachusetts Institute of Technology, Boston, USA.

³Weill Cornell Medicine, Boston, USA

11:50 - 12:00 O2-6 PRENATAL SOCIOECONOMIC DISADVANTAGE AND EARLY CHILDHOOD BRAIN DEVELOPMENT, Aislinn Sandre, Sonya Troller-Renfree, Melina Amarante, Kimberly Noble
Teachers College, Columbia University, New York, USA

12:00 - 13:30 Lunch Break (on own)

13:30 - 15:00 S4 Columbia University Department of Psychiatry Symposium 4: ADDRESSING RACIAL DISPARITIES IN MATERNAL HEALTH AND BRAIN RESEARCH: INSIGHTS FROM HUMAN AND ANIMAL STUDIES

Session Chair: Joscelin Rocha-Hidalgo

Discussant: Dr. Natalie Brito – New York University, New York City, USA

13:31 - 13:51 S4-1 RACIAL DISPARITIES IN MATERNAL BRAIN RESEARCH, Cliona Kelly¹,
Amorine Adodo¹, Rachel Shin¹, Ashley Groh², Helena Rutherford¹

¹Yale, New Haven, USA. ²University of Missouri, Missouri, USA

13:51 - 14:11 S4-2 FEARFUL-BONDS IN PARENTING: IMPACT OF ADVERSE EXPOSURES,
Polaris Gonzalez¹, Elinette Albino¹, Christian Bravo¹, Cristina Maria-Rios¹, Jahleel Torres², Isel Figueroa¹,
Veronique Rosado-Abreu², Efrain Rios³, Sandra Ralat¹, Karen G. Martinez-Gonzalez¹,
Claudia Lugo-Candelas⁴

¹University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico. ²University of Puerto Rico Rio Piedras Campus, San Juan, Puerto Rico. ³University of Puerto Rico Mayaguez Campus, Mayaguez, Puerto Rico. ⁴Columbia University, New York, USA

14:11 - 14:31 S4-3 FEASIBILITY OF USING MHEALTH TECHNOLOGY TO MEASURE REAL-WORLD EXPERIENCES OF PRENATAL STRESS ACROSS RACIALLY AND SOCIOECONOMICALLY DIVERSE COMMUNITIES, Irene Tung¹, Uma Balaji², Arianna Peredia¹,
Alison Hipwell³, Carissa Low³, Joshua Smyth⁴

¹California State University, Dominguez Hills, Carson, USA. ²University of Maryland, College Park, USA. ³University of Pittsburgh, Pittsburgh, USA. ⁴The Ohio State University, Columbus, USA

15:00 - 15:30 Coffee Break in the Lucerne Ballroom Visit our Exhibitors, Magstim EGI and Brain Vision

15:30 - 16:30 ISDP Awards Session

Session Chair: Julie Campbell

Congratulations to the 2024 ISDP Award Winners!

Presentation of ISDP Senior Awards:

- 2024 Rovee-Collier Mentor Award Winner: Rachel Barr, PhD, Georgetown University - Presentation of the Award by Mentees
- 2024 Senior Investigator Award Winner: Tallie Z. Baram, MD, PhD, Danette Shepard Prof. Neurological Sciences, Bren and Distinguished Prof. Pediatrics, Anatomy/Neurobiology, Neurology, Director Conte Center, 10 minutes followed by a 2 minute Q&A

ISDP Young Investigator Awards Presentations:**16:00 – 16:10 Awards-1 2024 SANDRA G. WIENER STUDENT INVESTIGATOR AWARD: NEURAL REPRESENTATIONS OF SHARED ATTACHMENT SCHEMAS DURING**

ADOLESCENCE, [Anna Vannucci](#)¹, Tristan Yates¹, Camila Vicioso^{1,2}, Andrea Fields¹, Erica Niemiec¹, Lisa Gibston¹, Michael Milham¹, Christopher Baldassano¹, Nim Tottenham¹

¹Columbia University, New York, USA. ²Icahn School of Medicine at Mt. Sinai, New York, USA

16:10 – 16:20 Awards-2 2024 DISSERTATION AWARD: THE EVOLUTION AND DEVELOPMENT OF SENSITIVE PERIODS: THEORETICAL AND STATISTICAL APPROACHES, [Nicole Walasek](#)

University of Amsterdam, Amsterdam, Netherlands

16:20 – 16:30 Awards-3 2024 DAVID KUCHARSKI YOUNG INVESTIGATOR AWARD: A BIOPSYCHOSOCIAL APPROACH TO STUDYING THE DEVELOPMENT OF EMOTIONALITY AND SELF-REGULATION, [Santiago Morales](#)

University of Southern California, Los Angeles, USA

16:340 – 17:30 O3 Oral Session 3 - POSTER SESSION FLASH TALKS

Session Chair: Marion van den Heuvel

15 poster pitches of 4 minutes each, discussion is invited at each presenter's poster following this session.

16:30 - 16:34 P2-98 SOCIAL NETWORK SIZE SHAPES INFANTS' ATTENTION BIAS FOR STRANGERS OVER CAREGIVERS AT 4 MONTHS OF AGE, [Taylor Marcus](#), Brooke Montgomery,

Julie Markant

Tulane University, New Orleans, USA

16:34 - 16:38 P2-12 INTERGENERATIONAL TRANSMISSION OF POVERTY-RELATED RISKS: A SCOPING REVIEW OF UNDERLYING MECHANISMS, [Nadya Ali](#)^{1,2}, Freek van der Heijden¹, Wouter de Baene¹, Margriet Sitskoorn¹, Marion van den Heuvel¹

¹Tilburg University, Tilburg, Netherlands. ²Utrecht University, Utrecht, Netherlands

16:38 - 16:42 P2-70 EARLY LIFE ADVERSITY AND SLEEP DURING PREGNANCY PREDICT OFFSPRING NEUROCIRCUITRY, Melissa Nevarez-Brewster¹, Catherine Demers¹, Mercedes Hoeflich Haase², Khalid Al-Ali², M. Camille Hoffman³, Martin Styner², Benjamin Hankin⁴, Elysia Poggi Davis¹

¹University of Denver, Denver, USA. ²University of North Carolina – Chapel Hill, Chapel Hill, USA.

³University of Colorado, Denver, USA. ⁴University of Illinois at Urbana Champaign, Illinois, USA

16:42 - 16:46 P2-81 INFANT EEG POWER PREDICTS EARLY CHILDHOOD LANGUAGE AND MOTOR SKILLS IN A RURAL SOUTH AFRICAN COHORT, Shaina Brady¹, Peter Rockers², Denise Evans³, Lezanie Coetzee³, Diana Lopera-Perez¹, Günther Fink⁴, Davidson Hamer^{2,5}, Aisha Yousafzai⁶, Amanda Tarullo⁷

¹Department of Psychological and Brain Sciences, College of Arts and Sciences, Boston University, Boston, USA. ²Department of Global Health, Boston University School of Public Health, Boston, USA.

³Health Economics and Epidemiology Research Office, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa. ⁴Swiss Tropical and Public Health Institute, Basel, Switzerland. ⁵Section of Infectious Diseases, Department of Medicine, Boston University Chobanian & Avedisian School of Medicine, Boston, USA. ⁶Department of Global Health and Population, Harvard T.H. Chan School of Public Health, Boston, USA. ⁷Department of Psychological and Brain Sciences, College of Arts and Sciences, Boston University, B, USA

16:46 - 16:50 P2-66 PRENATAL EXPOSURE TO PUBLIC WATER CONTAMINANTS AND PSYCHOPATHOLOGY RISK IN CHILDREN AND ADOLESCENCE, Alexis Hernandez¹, Anne Nigra², Katrina Simon², Amy Margolis², Lauren Shuffrey³, Amy Elliott⁴, Santiago Morales¹

¹University of Southern California, Los Angeles, USA. ²Columbia University, New York, USA. ³NYU Grossman School of Medicine, New York, USA. ⁴Avera Research Institute, Sioux Falls, USA

16:50 - 16:54 P2-42 ARE YOU EVEN WATCHING? INFLUENCE OF GAZE ON SYNCHRONY OF PHYSIOLOGICAL AROUSAL IN PARENT-CHILD DYADS, Marisa Lytle¹, Kivilcim Degirmencioglu¹, Lucia Herrero¹, Susan Perlman², Koraly Pérez-Edgar¹

¹The Pennsylvania State University, State College, USA. ²Washington University School of Medicine, St. Louis, USA

16:54 - 16:58 P2-82 SLEEP AS A MECHANISM FOR THE EFFECTS OF AIR POLLUTION ON ADOLESCENT BRAIN STRUCTURE AND COGNITIVE PERFORMANCE, Lydia Lewis, Bria Gresham, Kathleen Thomas

University of Minnesota, Twin Cities, USA

16:58 - 17:02 P2-83 NETWORK CONTROLLABILITY OF THE FETAL STRUCTURAL CONNECTOME, Huili Sun, Dustin Scheinost

Yale University, New Haven, USA

17:02 - 17:06 P2-54 ASSOCIATIONS BETWEEN RESPIRATORY SINUS ARRHYTHMIA AND WHITE MATTER CONNECTIVITY AMONG CHILDREN WITH AND WITHOUT HISTORIES OF CHILD PROTECTIVE SERVICES INVOLVEMENT, Tabitha Sellers¹, Hung-Wei Bernie Chen¹, Amanda Flagg², Alexandra Tabachnick³, Nim Tottenham⁴, Mary Dozier¹

¹University of Delaware, Newark, USA. ²State University of New York at Albany, Albany, USA.

³Northwestern University, Evanston, USA. ⁴Columbia University, New York, USA

17:06 - 17:10 P2-55 STABILITY OF RESPIRATORY SINUS ARRHYTHMIA IN RESPONSE TO STRESS DURING THE FIRST 6 MONTHS OF LIFE, Emily Padrutt, Mariann Howland, Inyene Ukpong, Sylia Wilson, Megan Gunnar, Daniel Berry
University of Minnesota, Minneapolis, USA

17:10 - 17:14 P2-43 PARENT'S CROSS-SYSTEM AUTONOMIC REGULATION (CSAR) PREDICTS FEWER RESTRICTIVE PARENTING BEHAVIORS, Kathy Sem¹, Nila Shakiba¹, Sarah Vogel¹, Cora Ordway¹, Hong Bui², Danielle Novick³, Lindsay Druskin⁴, Andrea Chronis-Tuscano², Kenneth Rubin², Nicholas Wagner¹
¹Boston University, Boston, USA. ²University Of Maryland, College Park, USA. ³Yale University, New Haven, USA. ⁴West Virginia University, Morgantown, USA

17:14 - 17:18 P2-71 DISPARITIES IN SLEEP HEALTH ACROSS PREGNANCY: HOW DO OBJECTIVE AND SUBJECTIVE SOCIOECONOMIC STATUS PREDICT PRENATAL SLEEP?, Özlü Aran¹, Sümeyye Muftareviç², Melissa Nevarez-Brewster¹, Benjamin Hankin³, Elif Duman⁴, Elysia Davis¹
¹University of Denver, Denver, USA. ²Bogazici University, Istanbul, Turkey. ³University of Illinois at Urbana–Champaign, Champaign, USA. ⁴Acibadem University, Istanbul, Turkey

17:18 - 17:22 P2-29 CAN THE EFFECTS OF EARLY LIFE STRESS ON THE IMMUNE SYSTEM IN ADULTHOOD BE AMELIORATED BY AN INTERVENTION DURING ADOLESCENCE?, Tayla McCutcheon, Rick Richardson
UNSW, Sydney, Australia

17:22 - 17:26 P2-32 DEPRESSIVE SYMPTOMS MEDIATE THE ASSOCIATION BETWEEN RACIAL DISCRIMINATION AND PRENATAL SUBSTANCE USE, Jocelyn Stanfield¹, Anne Dunlop¹, Elizabeth Corwin², Patricia Brennan¹
¹Emory University, Atlanta, USA. ²Columbia University, New York, USA

17:26 - 17:30 P2-44 NEGATIVE PARENTING AND PRESCHOOLER EXECUTIVE FUNCTION DEVELOPMENT: IS RSA FLEXIBILITY A PROTECTIVE OR RISK FACTOR?, Alexa Nordine^{1,2}, Longfeng Li², Erika Lunkenheimer²
¹University of Waterloo, Kitchener, Canada. ²Pennsylvania State University, University Park, USA

P2 POSTER SESSION 2 & RECEPTION in the Alpine Ballroom

Odd number posters presented from 17:30 – 18:30 / Even number posters presented from 18:30 – 19:30

Dinner On Own

21:30 - Student Social – All students are invited to the Sweetwater Bar & Grill at 225 N Michigan Ave starting at 21:30! First round of beverages will be sponsored by Wiley, the publishers of *Developmental Psychobiology*

Friday, October 4, 2024

07:30 - 09:00 Continental Breakfast in the Lucerne Foyer

Continental Breakfast will be available in the foyer for pickup up before the early morning sessions.

08:00 - 09:00 NIH Funding Workshop & Breakfast Lucerne Ballroom

TRAINING, CAREER, AND RESEARCH PRIORITIES, Kathy Mann Koepke, PhD (she/her/hers), Program Officer, NIH/NICHD/DER/CDBB

Laura Machlin, PhD (she/her), Program Officer, Neurodevelopment, Cognition, & Behavior Research Program, Child Development & Behavior Branch, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development

08:00 - 09:00 MEET THE PROFESSORS BREAKFAST MEETING in the Alpine 1 Ballroom

09:00 - 10:30 S5 Symposium 5: BENCH TO BEDSIDE: IMPLEMENTATION OF EXPERIMENTAL AND CROSS-SPECIES RESEARCH TO BENEFIT MATERNAL AND CHILD HEALTH

Session Chairs: Laura Glynn, Elysia Poggi Davis

S5-1 THE INTERGENERATIONAL BENEFITS OF REDUCING PRENATAL MATERNAL DEPRESSION: A RANDOMIZED CLINICAL TRIAL, [Elysia Davis](#)¹, Catherine Demers², Robert Gallop³, Nancy Grote⁴, M. Camille Hoffman², Benjamin Hankin⁵

¹University of Denver, Denver, USA. ²University of Colorado, Denver, USA. ³West Chester University, West Chester, USA. ⁴University of Washington, Seattle, USA. ⁵University of Illinois, Urbana-Champaign, USA

S5-2 FROM MOTHERS TO MICE: THE ROLE OF OBSTETRIC RACISM AND AROUSAL-RELATED NEUROPEPTIDES IN POSTPARTUM MENTAL HEALTH DISPARITIES, [Kimberly D'Anna-Hernandez](#)

Marquette University, Milwaukee, USA

S5-3 A DIMENSIONAL APPROACH TO PERINATAL MANIA AND PSYCHOSIS: IMPLICATIONS FOR PREVENTION AND INTERVENTION, [Mariann Howland](#), Hannah Klimas

University of Minnesota, Minneapolis, USA

S5-4 BENCH TO BEDSIDE: THE TRANSLATIONAL POTENTIAL OF EARLY LIFE UNPREDICTABILITY TO ENHANCE CHILD MENTAL HEALTH. [Laura Glynn](#)¹, Hal Stern², Michael Weiss³, Charles Golden³, Sabrina Liu⁴, Candice Taylor Lucas², Louis Ehwerhemuepha³, Tallie Z. Baram²

¹Chapman University, Orange, USA. ²University of California, Irvine, Irvine, USA. ³Children's Hospital of Orange County, Orange, USA. ⁴California State University, San Marcos, San Marcos, USA

10:30 - 11:00 Coffee Break in the Lucerne Ballroom Visit our Exhibitors, Magstim EGI and Brain Vision

11:00 - 12:00 O4 Oral Session 4: Prenatal origins of child health and development (6 Talks)

Session Chair: Tania Roth

11:00 - 11:10 O4-1 PINPOINTING THE TERATOGENIC TIMING OF PRENATAL STRESS EFFECTS ON INFANT BIOBEHAVIORAL REACTIVITY, Cecilia Martinez-Torteya¹, Alytia Levendosky², Kevin Grimm³, Joseph Lonstein², G. Anne Bogat², Maria Muzik¹, Amy Nuttal²

¹University of Michigan, Ann Arbor, USA. ²Michigan State University, East Lansing, USA. ³Arizona State University, Tempe, USA

11:10 - 11:20 O4-2 MATERNAL PRENATAL SARS-COV-2 INFECTION AND INFANT BRAIN AND BEHAVIORAL OUTCOMES, Moriah Thomason^{1,2,3}, Denise Werchan¹, Lanxin Ji¹, Iris Menu¹, Cassandra Hendrix¹, Bradley Susskind¹, Mark Duffy¹, Natalie Brito⁴, Clare McCormack¹

¹Department of Child and Adolescent Psychiatry, New York University Medical Center, New York, USA. ²Department of Population Health, New York University Medical Center, New York, USA. ³Neuroscience Institute, New York University Medical Center, New York, USA. ⁴Department of Applied Psychology, New York University, New York, USA

11:20 - 11:30 O4-3 EVALUATING HEALTH, IMMUNE, AND COGNITIVE FUNCTION IN A NON-HUMAN PRIMATE MODEL OF PRENATAL ALCOHOL EXPOSURE: IMPLICATIONS FOR AGING, Charlis Rainecki¹, Parker J. Holman¹, Amy Beierschmitt², Roberta M. Palmour³, Tamara S. Bodnar⁴

¹Brock University, St. Catharines, Canada. ²Ross University School of Veterinary Medicine, Basseterre, Saint-Kitts and Nevis. ³McGill University, Montreal, Canada. ⁴University of Calgary, Calgary, Canada

11:30 - 11:40 O4-4 MATERNAL DEPRESSION TRAJECTORIES FROM PREGNANCY TO 3 YEARS POSTPARTUM AND CHILD DEVELOPMENT OUTCOMES: AN ENVIRONMENTAL INFLUENCES ON CHILD HEALTH OUTCOMES (ECHO) STUDY, Ayesha Sania¹, Rashelle J. Musci², Radhika Raghunathan², Ban Al-Sahab³, Judy Aschner⁴, Lyndsay A. Avalos⁵, Patricia Brennan⁶, Jose Cordero⁷, Alexandria Craft⁸, Dana Dabelea⁹, Liana Eisler¹, Akhgar Ghassabian¹⁰, Christine W. Hockett¹¹, Seonjoo Lee¹, Leslie Leve¹², John Meeker¹³, Jenae Neiderhiser¹⁴, Nicolo Pini¹, Greta Wilkening¹⁵, Katherine Ziegler¹⁶, Emily Zimmerman¹⁷, William P. Fifer^{1,18}, Lauren C. Shuffrey¹⁹, Amy J. Elliott¹⁶

¹Department of Psychiatry, Columbia University Irving Medical Center, New York, USA. ²Department of Mental Health, Johns Hopkins University Bloomberg School of Public Health, Baltimore, USA. ³Department of Family Medicine, College of Human Medicine, Michigan State University, East Lansing, USA. ⁴Department of Pediatrics, Joseph M Sanzari Children's Hospital at Hackensack University Medical Center, Hackensack Meridian Health School of Medicine, Hackensack, USA. ⁵Division of Research, Kaiser Permanente Northern California, Oakland, USA. ⁶Department of Psychology, Emory University, Atlanta, USA. ⁷Department of Epidemiology and Biostatistics, University of Georgia, Athens, USA. ⁸Warren Alpert Medical School of Brown University, Providence, USA. ⁹Lifecourse Epidemiology of Adiposity and Diabetes (LEAD) Center, University of Colorado Anschutz Medical Campus, Aurora, USA. ¹⁰Departments of Pediatrics, Environmental Medicine, and Population Health, New York University School of Medicine, New York, USA. ¹¹Avera Research Institute and Department of Pediatrics, University of South Dakota, Sioux Falls, USA. ¹²Prevention Science Institute, University of Oregon, Eugene, USA. ¹³Department of Environmental Health Sciences, University of Michigan School of Public Health, Ann Arbor, USA. ¹⁴Department of Psychology, Pennsylvania State University, State College, USA. ¹⁵Department of Pediatrics, Section of Neurology, Children's Hospital Colorado/University of Colorado School of Medicine, Aurora, USA. ¹⁶Avera Research Institute and Department of Pediatrics, Sioux Falls, USA. ¹⁷Department of Communication Sciences and Disorders, Northeastern University, Boston, USA. ¹⁸Department of Pediatrics, Columbia University Irving Medical Center, New York, USA. ¹⁹Department of Child and Adolescent Psychiatry, NYU Grossman School of Medicine, New York, USA

11:40 - 11:50 O4-5 DO DEFICITS IN EXECUTIVE FUNCTION IN CHILDREN EXPOSED TO METHAMPHETAMINE PERSIST IN ADOLESCENCE?, [Trecia Wouldes](#), Jennifer Rogers, Suzanne Stevens, Nataliia Simonov
The University of Auckland, Auckland, New Zealand

11:50 - 12:00 O4-6 PRENATAL SARS-COV-2 EXPOSURE, BIRTH TIMING DURING THE PANDEMIC, AND NEURODEVELOPMENT: THE COMBO INITIATIVE, [Morgan Firestein](#)¹, Margaret Kyle¹, Imaal Ahmed¹, Elena Arduin¹, Andréane Lavalée¹, William Fifer¹, Lauren Shuffrey², Dani Dumitriu¹
¹Columbia University Irving Medical Center, New York, USA. ²New York University, New York, USA

12:00 - 13:30 Lunch Break (on own)

13:30 - 15:00 S6 Symposium 6: THE INVESTIGATION OF THE INTERTWINED INFLUENCE OF EARLY-LIFE ADVERSITY AND GENETIC FACTORS THROUGHOUT DEVELOPMENT ACROSS FOUR LONGITUDINAL COHORTS: IMPLICATIONS FOR HEALTH AND BEHAVIORS
Session Chair: Isabelle Ouellet-Morin

S6-1 DOES NEIGHBORHOOD DEPRIVATION INTERACT WITH POLYGENIC SCORES FOR EXTERNALIZING PROBLEMS TO PREDICT CONDUCT PROBLEMS IN ADOLESCENCE?, [Marie-Pier Larose](#)¹, Edward Dylan Barker²
¹University of Turku, Turku, Finland. ²King's College London, London, United Kingdom

S6-2 UNRAVELING THE EFFECT OF EARLY ADVERSITY ON ADOLESCENT SOCIAL SUPPORT: DO GENETIC PREDISPOSITIONS AND TIMING OF EXPOSURE MATTER?, [Christina Cantave](#)¹, Marthe de Roo², Charlotte Vrijen², Tina Kretschmer²
¹University of Minnesota, Minneapolis, USA. ²University of Groningen, Groningen, Netherlands

S6-3 GENE-ENVIRONMENTAL CORRELATION BETWEEN CHILD MALTREATMENT AND DEVELOPMENTAL TRAJECTORIES OF AGGRESSION: A PROSPECTIVE STUDY, [Isabelle Ouellet-Morin](#)
University of Montreal, Montreal, Canada

S6-4 CENTRAL INSULIN FUNCTION MODERATES THE IMPACT OF EARLY LIFE ADVERSITY ON GROWTH, BEHAVIOR AND LONG-TERM DISEASE RISK – TRANSLATIONAL STUDIES, Ameyalli Gómez-Ilescas¹, Angela Jaramillo-Ospina², Bonnie Alberry², Patricia Maidana Miguel², [Patricia Silveira](#)^{2,3}
¹Integrated Program in Neuroscience, McGill University, Montreal, Canada. ²Department of Psychiatry, McGill University, Montreal, Canada. ³Ludmer Centre for Neuroinformatics and Mental Health, Douglas Hospital Research Center, Montreal, Canada

15:00 - 15:15 Coffee Break in the Lucerne Ballroom Visit our Exhibitors, Magstim EGI and Brain Vision

15:15 - 16:15 O5 Oral Session 5: CHILD SLEEP

Session Chair: William Fifer

15:15 - 15:25 O5-1 DO INFANT AND PARENT SLEEP PREDICT NEXT-DAY PARENT MOOD AND PARENT-INFANT BONDING? AN AUTO-VIDEOSOMNOGRAPHY STUDY, [Michal Kahn](#)¹, [Maristella Lucchini](#)², Natalie Barnett²

¹School of Psychological Sciences, Tel Aviv, Israel. ²NanitLab, New York, USA

15:25 - 15:35 O5-2 SLEEP AND STRESS AND TRAJECTORIES OF INFANT WEIGHT GAIN ACROSS THE FIRST 6 MONTHS, [Leah Hibel](#), Lenna Ontai, Chase Boyer

University of California, Davis, Davis, USA

15:35 - 15:45 O5-3 THE INFLUENCE OF GESTATIONAL DIABETES ON FETAL HEART RATE AND SLEEP STATES USING OVERNIGHT ECG HOME RECORDINGS, [Isabelle Mueller](#)¹, Lauren Shuffrey², Margaret Shair¹, Nicolo Pini¹, William Fifer¹

¹Columbia University, New York, USA. ²New York University, New York, USA

15:45 - 15:55 O5-4 RISK OF LEAD EXPOSURE AND ADOLESCENT SLEEP HEALTH, Isabella Hobaugh, [Kenia Rivera](#), Melissa Nevarez-Brewster, Avery Hill, Jenalee Doom

University of Denver, Denver, USA

15:55 - 16:05 O5-5 DAILY FLUCTUATIONS IN MATERNAL DIURNAL CORTISOL AND INFANT SLEEP: MODERATION BY SUPPORTIVE PARENTING BEHAVIORS, [Chase Boyer](#), Leah Hibel

University of California, Davis, Davis, USA

16:05 - 16:15 O5-6 ASSOCIATION OF PRENATAL MATERNAL DEPRESSION WITH MULTIDIMENSIONAL SLEEP PROFILES IN TODDLERHOOD, [Nicolò Pini](#)^{1,2}, Chanel Malette², Rabelani Negota³, Thandeka Mazubane³, Michal Zieff³, Kirsten Donald^{3,4}, William Fifer^{1,2}, Ayesha Sania^{1,2}

¹Columbia University Irving Medical Center, New York, USA. ²New York State Psychiatric Institute, New York, USA. ³Red Cross War Memorial Children's Hospital, Cape Town, South Africa. ⁴University of Cape Town, Cape Town, South Africa

16:15 - 17:15 O6 Oral Session 6: PARENT-CHILD INTERACTIONS/BIOLOGICAL EMBEDDING

Session Chair: Julie Campbell

16:15 - 16:25 O6-1 DOES MOTHER-INFANT RSA SYNCHRONY CONFER RESILIENCE OR SUSCEPTIBILITY?: TASK-SPECIFIC MODERATING EFFECTS OF SYNCHRONY ON CHILDHOOD BEHAVIOR PROBLEMS AND MATERNAL DEPRESSION, [Jennifer Somers](#)^{1,2}, Linda Luecken³

¹University of California, Los Angeles, Los Angeles, USA. ²Auburn University, Auburn, USA. ³Arizona State University, Tempe, USA

16:25 - 16:35 O6-2 INTERVENING AFTER TRAUMA: CHILD-PARENT PSYCHOTHERAPY ASSOCIATES WITH LOWER PEDIATRIC EPIGENETIC AGE ACCELERATION, [Alexandra Sullivan](#)¹, Sarah Merrill², Chaini Konwar³, Michael Coccia¹, Luisa Rivera⁴, Julia Maclsaac³, Alicia Lieberman¹, Michael Kobor³, Nicole Bush¹

¹University of California San Francisco, San Francisco, USA. ²Brown University, Providence, USA.

³BC Children's Hospital Research Institute, Vancouver, Canada. ⁴Dartmouth College, Hanover, USA

16:35 - 16:45 O6-3 PRENATAL REPRESENTATIONS OF THE CHILD, CAREGIVING SENSITIVITY AND INTRUSIVENESS, AND EMERGING PSYCHOPATHOLOGY, Julia Garon-Bissonnette,

Kathryn L. Humphreys

Vanderbilt University, Department of Psychology and Human Development, Nashville, USA

16:45 - 16:55 O6-4 CHRONICITY AND LABILITY OF MATERNAL DEPRESSIVE SYMPTOMS EXERT DISTINCT IMPACTS ON INFANT BEHAVIOR, Cassandra Hendrix¹,

Tanya Bhatia¹, Madison Forde¹, Ava Palopoli², Sarwat Siddiqui¹, Harini Srinivasan¹, Denise Werchan¹, Clare McCormack¹, Lanxin Ji¹, Natalie Brito³, Moriah Thomason¹

¹NYU Langone Health, New York, USA. ²University of Michigan, Ann Arbor, USA. ³NYU, New York, USA

16:55 - 17:05 O6-5 EARLY LIFE STRESS IS ASSOCIATED WITH ALTERATIONS IN LYMPHOCYTE SUBSETS INDEPENDENT OF INCREASED INFLAMMATION IN ADOLESCENTS,

Brie Reid^{1,2}, Christopher Desjardins³, Bharat Thyagarajan⁴, Michael Linden⁴, Megan Gunnar⁵

¹Brown University, Providence, USA. ²Northeastern University, Boston, USA. ³Saint Michael's

College, Colchester, USA. ⁴Department of Laboratory Medicine and Pathology, University of

Minnesota, Minneapolis, USA. ⁵Institute of Child Development, University of Minnesota, M, USA

17:05 - 17:15 O6-6 UNIQUE CONTRIBUTION OF EARLY RELATIONAL HEALTH CONSTRUCTS AT 4 MONTHS TO CHILD NEURODEVELOPMENTAL OUTCOMES AT 2 YEARS OF AGE,

Andreane Lavallee, Jennifer Warmingham, Imaal Ahmed, Ginger Atwood, Margaret Kyle, Elena

Arduin, Nicole Shearman, Morgan Firestein, Marissa Lanoff, Dani Dumitriu

Columbia University Irving Medical Center, New York, USA

17:15 - 17:30 ISDP BUSINESS MEETING & WRAP UP

POSTER TITLES AND AUTHORS

P1-1 UNRAVELING INFANT ATTENTION THROUGH THE LENS OF PARENTAL STRESS AND PERINATAL BRAIN INJURY.

Melisa Carrasco¹, Ashley Chen¹, Andrea Mendez¹, Sarah Nigro¹, Kimberly Cuevas²
¹University of Wisconsin, Madison, USA. ²University of Connecticut, Waterbury, USA

P1-2 Prenatal Cannabis Exposure, Genetic Predispositions, and Autism Spectrum Disorder-Related Outcomes

Chaela Nutor¹, Ami Ikeda², Chelsie Benca-Bachman^{2,3}, Rameez Syed², Valerie Knopik⁴, Rohan Palmer², Patricia Brennan¹
¹Biosocial Underpinnings in Learning & Development Laboratory, Department of Psychology, Emory University, Atlanta, USA. ²Behavioral Genetics of Addiction Laboratory, Department of Psychology, Emory University, Atlanta, USA. ³Department of Psychiatry and Human Behavior, Brown University, Providence, USA. ⁴Department of Human Development and Family Science, College of Health and Human Sciences, Purdue University, West Lafayette, USA

P1-3 SEX-DEPENDENT EFFECTS OF EARLY LIFE SENSORY OVERSTIMULATION ON LATER LIFE BEHAVIORAL FUNCTION IN RATS

Abishag Porras, Paolaenid Rodney-Hernández, Jeffy Jackson, Christine Nguyen, Millie Rincón-Cortés
University of Texas at Dallas, Dallas, USA

P1-4 EMBRYONIC EXPOSURE TO LIPOPOLYSACCHARIDE AND ACETAMINOPHEN MODIFIES BEHAVIOR AND ELEVATES THE PGSK3 β /TOTALGSK3 β RATIO IN ZEBRAFISH LARVAE

Jordan Powell, Joshua Herrington, Robert Mans
Georgia Southern University, Savannah, USA

P1-5 BEHAVIORAL EFFECTS OF PERINATAL EXPOSURE TO LIPOPOLYSACCHARIDE AND ACETAMINOPHEN IN RATS: A NOVEL TEST OF SOCIAL PREFERENCE

Joshua Richardson, Joshua Herrington
Georgia Southern University, Savannah, USA

P1-6 DNA METHYLATION ASSOCIATIONS WITH FATHER-REPORTED PARENTAL CONFLICT AND PATERNAL CAREGIVING IN CHILDREN FROM BANDONGO FISHER-FARMERS IN THE CONGO BASIN

Meingold Hiu-ming Chan^{1,2}, Sarah M. Merrill³, Beryl Zhuang², David Lin², Julia L. Maclsaac², Valchy Miegakanda⁴, Sheina Lew-Levy⁵, Adam H. Boyette⁶, Michael S. Kobor^{7,1,2}, Lee T. Gettler⁸

¹University of British Columbia, Vancouver, Canada. ²BC Children's Hospital Research Institute, Vancouver, Canada. ³University of Massachusetts Lowell, Lowell, USA. ⁴Laboratoire National de Sante Publique, Brazzaville, Congo. ⁵Durham University, Durham, United Kingdom. ⁶Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany. ⁷Edwin S. H. Leong Centre for Healthy Aging, Faculty of Medicine, Vancouver, Canada. ⁸Eck Institute for Global Health, University of Notre Dame, Notre Dame, USA

P1-7 MATERNAL PRENATAL DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH INFANT NF-KB AND IRF TRANSCRIPTION FACTOR ACTIVITY

Gabrielle Rinne, Steve Cole, Christine Dunkel Schetter
UCLA, Los Angeles, USA

P1-8 PRENATAL AND POSTNATAL NEGATIVE SOCIAL SUPPORT: ASSOCIATIONS WITH INFANT PARASYMPATHETIC DEVELOPMENT

Annabelle Armah¹, Amanda Flagg¹, Lydia Bierce¹, Betty Lin¹, Linda Luecken²
¹University at Albany, SUNY, Albany, USA. ²Arizona State University, Tempe, USA

P1-9 INFLUENCE OF MATERNAL PERCEIVED STRESS ON INFANT NEGATIVE EMOTIONALITY AND REGULATION BEHAVIORS DURING NOVEL TASK

Kallie Distler, Meghan Kerr, Michelle Godfrey, Joshua Underwood, Maria Gartstein
Washington State University, Pullman, USA

P1-10 ASSOCIATIONS BETWEEN HAIR CORTISOL CONCENTRATIONS AND PERCEIVED STRESS DURING PUBERTY

Madison Fung, Bonny Donzella, Nikki Tsakonas, Megan Gunnar, Kathleen Thomas
University of Minnesota, Minneapolis, USA

P1-11 VTA-NAc assembloids revealed NAD⁺ deficiency in Major Depressive Disorder

Mengdan Tao¹, Yan liu²
¹Southeast university, Nanjing, China. ²Nanjing Medical university, Nanjing, China

P1-12 RELATIONS OF PREGNANCY COMPLICATIONS TO CHILD CHRONIC CORTISOL EXPOSURE, EMOTION REGULATION, AND BASELINE BETA EEG POWER AT AGE FIVE

Lydia Greenwood
Washington University, Saint Louis, USA

P1-13 Intergenerational Transmission of Stress: Effects on Maternal Hippocampus and Early Childhood Psychopathology in the COMBO Initiative

Diana More¹, Nicholas Bustos², Jennifer Warmingham¹, Grace Smotrich³, Catherine Monk⁴, Dani Dumitriu¹, Rachel Marsh³

¹Columbia University Irving Medical Center, Department of Pediatrics, New York, USA. ²New York State Psychiatric Institute, New York, USA. ³Columbia University Irving Medical Center, Department of Psychiatry, New York, USA. ⁴Columbia University Irving Medical Center, Department of Obstetrics & Gynecology, New York, USA

P1-15 EFFECTS OF EARLY LIFE SCARCITY-ADVERSITY ON MATURATIONAL MILESTONES IN MALE AND FEMALE RATS

Erin Lauraine, Sasha Oak, Christine Nguyen, Millie Rincón-Cortés
University of Texas at Dallas, Richardson, USA

P1-16 TELOMERE LENGTH AMONG BLACK YOUTH WITH VARYING NEIGHBORHOOD RISK AND SCHOOL SUPPORT: A LATENT PROFILE ANALYSIS

Liz Amelia Karolina Martinez Margolles, Darlene Kertes
University of Florida, Gainesville, USA

P1-17 EARLY LIFE UNPREDICTABILITY AND ITS ASSOCIATION WITH ADOLESCENT PSYCHOPATHOLOGY: THE ROLE OF EFFORTFUL CONTROL

Megan Maxwell¹, Elysia Davis¹, Laura Glynn², Curt Sandman³
¹University of Denver, Denver, USA. ²Chapman University, Orange, USA. ³University of California, Irvine, Irvine, USA

P1-18 Maternal Experiences of Childhood Emotional Neglect Predict Poor Child Language Development through Social Support and Child Dysregulation: Implications for the Intergenerational Impact of Neglect on Cognition

Rony Ngamliya-Ndam, Shariece Evans
University of Maryland, Baltimore County, Baltimore, USA

P1-19 Impaired social behavior following early life adversity coincides with changes in the BLA transcriptome and peripheral blood metabolome

Cesar Medina^{1,2}, Mingyuan Song¹, Pranali Bendale¹, Elaina Regier¹, Maya Opendak^{2,1}
¹Johns Hopkins University, Baltimore, USA. ²Kennedy Krieger Institute, Baltimore, USA

P1-20 DETERMINANTS OF MATERNAL RESILIENCE AND BONDING IN THE POSTPARTUM PERIOD: TESTING THE IMPACT OF MATERNAL CHILDHOOD ADVERSITY AND PERINATAL INTIMATE PARTNER VIOLENCE

Jill Owen¹, Jennifer Warmingham¹, Mauricio Espinoza-Barria^{2,1}, Angela Gigliotti-Manassis¹, Andreane Lavallee¹, Elena Arduin¹, Ruiyang Xu¹, Dani Dumitriu¹

¹Columbia University Irving Medical Center, New York, USA. ²Universidad del Desarrollo, Santiago, Chile

P1-21 MATERNAL TRAUMA DIFFERENTIALLY RELATES TO INFANTS' ENDOGENOUS SELECTIVE ATTENTION AT 4 AND 6 MONTHS OF AGE

Maddie Parsley¹, Taylor Marcus¹, Sarah Gray^{2,1}, Julie Markant¹

¹Tulane University, New Orleans, USA. ²University of Connecticut, Hartford, USA

P1-22 AN EMPIRICAL EXAMINATION OF RACIAL DISPARITIES IN ACCESS TO NEIGHBORHOOD RESOURCES AND ASSOCIATIONS WITH MULTIDOMAIN EARLY CHILDHOOD DEVELOPMENT

Tralucia Powell¹, Alyssa R. Palmer^{1,2}, Emily J. Furtado¹, Amanda Kalstabakken^{1,3}, Ka I Ip¹, Ann S. Masten¹

¹University of Minnesota, Institute of Child Development, Minneapolis, MN, USA. ²Jane and Terry Semel Institute for Neuroscience & Human Behavior, University of California, Los Angeles, Los Angeles, CA, USA. ³University of Minnesota, Department of Pediatrics, Minneapolis, MN, USA

P1-23 TESTING GUT MICROBIOME FUNCTIONAL POTENTIAL FOR FERMENTATION TO SHORT CHAIN FATTY ACIDS AS A MECHANISM LINKING EARLY CAREGIVING ADVERSITY WITH INTERNALIZING SYMPTOMS

Francesca Querdasi¹, Naomi Gancz¹, Kristen Chu¹, Emily Towner², Eason Taylor¹, Julianne Yang¹, Jonathan Jacobs¹, Bridget Callaghan¹

¹UCLA, Los Angeles, USA. ²University of Cambridge, Cambridge, United Kingdom

P1-24 Neighborhood Access to Food predicts Patterns of Brain Function in Response to Emotion and Reward in ABCD Sample

Ava Reck, Assaf Oshri

University of Georgia, Athens, USA

P1-25 PREDICTING VULNERABILITY: SEX-SPECIFIC ASSOCIATIONS BETWEEN BRAIN ACTIVITY & FUTURE PTSD SYMPTOMS IN TRAUMA-EXPOSED YOUTH

Manessa Riser¹, Charis Wiltshire², William Davie¹, Mariam Reda³, John France¹, Sattvik Basarkod¹, Sterling Winters¹, Tanja Jovanovic¹

¹Wayne State University School of Medicine, Detroit, USA. ²Emory University, Atlanta, USA.

³University of Michigan, Ann Arbor, USA

P1-27 Differentiating the Effects of Environmental and Caregiving Unpredictability in Childhood on Executive Functioning in Adulthood: Evidence for the Sensitized-Specialization Hypothesis

Elex Simbeck, Julia Dmitrieva, Sarah Watamura
University of Denver, Denver, USA

P1-28 THE DEVELOPMENT OF RSA SELF-REGULATION AND COREGULATION ACROSS EARLY CHILDHOOD: VARIATION BY CAREGIVING RISK

Jianing Sun¹, Sy-Miin Chow², Longfeng Li¹, Erika Lunkenheimer¹

¹Department of Psychology, The Pennsylvania State University, University Park, USA. ²Department of Human Development and Family Studies, The Pennsylvania State University, University Park, USA

P1-29 REVERSING THE EFFECTS OF PRENATAL OPIOID EXPOSURE: THE EFFICACY OF SODIUM BUTYRATE IN AN ANIMAL MODEL

Isobel Williams¹, Josie van Dorst², Sarah Baracz¹, Chee Ooi², Meredith Ward³, Ju Lee Oei³, Kelly Clemens¹

¹UNSW, Sydney, Australia. ²Sydney Children's Hospital Randwick, Sydney, Australia. ³Royal Hospital for Women, Sydney, Australia

P1-30 MATERNAL MENTAL HEALTH AND INFANT SALIVARY CORTISOL RESPONSES IN A MEXICAN-AMERICAN POPULATION

Alexandra González-Van Wart, Kimberly D'Anna-Hernandez
Marquette University, Milwaukee, USA

P1-32 PRESCHOOLERS' RSA FLEXIBILITY MODERATES THE LONGITUDINAL EFFECTS OF NEGATIVE PARENTING ON CHILD EMOTION LABILITY AND NEGATIVITY

Isabelle Mitchell¹, Alexa Nordine^{2,1}, Longfeng Li¹, Erika Lunkenheimer¹

¹Pennsylvania State University, University Park, USA. ²University of Waterloo, Waterloo, Canada

P1-33 Exploring the variation in maternal care under limited bedding and nesting paradigm during different postpartum days of rats and its impact on early postnatal development of pups

Grace Pardo, Lucero B. Cuevas, Alondra Casas, Enver M Oruro, Luis F. Pacheco-Otalora
Universidad Andina del Cusco, Cuzco, Peru

P1-34 EVIDENCE FOR GREATER CAREGIVER–CHILD PROXIMITY ACROSS DEVELOPMENT

Hannah Piersiak¹, Will Hedgecock¹, Wenshan Luo², Pat Pannuto², Kathryn Humphreys¹

¹Vanderbilt University, Nashville, USA. ²University of California San Diego, San Diego, USA

P1-35 PROFILES OF PARENT SOCIALIZATION OF EMOTION AND TODDLER PHYSIOLOGICAL REGULATION

Michelle Ramos¹, Nora Tucker², Kristin Buss¹

¹Penn State, State College, USA. ²Adler, Chicago, USA

P1-36 EXPLORING THE IMPACT OF OXYTOCIN DOSE AND ADMINISTRATION ROUTE ON ENHANCING MATERNAL-INFANT INTERACTIONS AND OFFSPRING OUTCOMES FOLLOWING GESTATIONAL BUPRENORPHINE EXPOSURE: A PILOT STUDY

Lauren Richardson, Jecenia Duran, Deep Patel, Ella Walsh, Armina Khan, Scott Bowen, Susanne Brummelte

Wayne State University, Detroit, USA

P1-37 EARLY EMOTIONAL CONNECTION AS A PREDICTOR OF MATERNAL ENTROPY: INSIGHTS INTO MOTHER-CHILD DYADIC EMOTIONAL HEALTH

Nicole Shearman¹, Katrina Fuller², Jessica Hyun¹, Marissa Lanoff¹, Imaal Ahmed¹, Andreane Lavallee¹, Claudia Espinoza-Heredia³, Dima Amso³, Dani Dumitriu¹

¹Columbia University Irving Medical Center, New York, USA. ²Columbia University Irving medical Center, New York, USA. ³Columbia University, New York, USA

P1-38 Intergenerational Transmission of Internalizing Symptoms in a Covid-19 Sample of Mother-Baby Dyads

Grace Smotrich¹, Jennifer Warmingham², Nicholas Bustos³, Diana More², Catherine Monk⁴, Dani Dumitriu², Rachel Marsh¹

¹Columbia University Irving Medical Center, Department of Psychiatry, New York, USA. ²Columbia University Irving Medical Center, Department of Pediatrics, New York, USA. ³New York State Psychiatric Institute, New York, USA. ⁴Columbia University Irving Medical Center, Department of Obstetrics and Gynecology, New York, USA

P1-39 GETTING TO THE HEART OF PARENTING: PHYSIOLOGICAL AND EXPERIENTIAL PREDICTORS OF PARENT EMOTION SOCIALIZATION BEHAVIOR

Jennifer Somers^{1,2}, Elena Cannova², Pauline Vartany², Ryle Eskander², Alina Casillas², Qiran Sun², Angelina Meng², Athena Rem²

¹Auburn University, Auburn, USA. ²UCLA, Los Angeles, USA

P1-40 THE HATCHLINGS PROJECT: COMMUNITY-LIBRARY PARTNERSHIPS TO REDUCE INEQUITIES IN CHILDHOOD LITERACY

Ellie Taylor-Robinette, Rachel Romeo
University of Maryland, College Park, College Park, USA

P1-41 Understanding links between maternal wellbeing, responsiveness and early infant temperament.

Joshua Underwood, Ashley Anderson, Suyeon Lee, Sara Waters, Maria Gartstein
Washington State University, Pullman, USA

P1-42 (MAL)ADAPTIVE CO-REGULATION BETWEEN PARENTS AND ELEMENTARY-SCHOOL AGED CHILDREN IN RESPONSE TO CHALLENGE AND IN ASSOCIATION WITH CHILD OUTCOMES: A SYSTEMATIC REVIEW

Charlotte Verhagen, Myrthe Boekhorst, Nina Kupper, Hedwig van Bakel, Stefanie Duijndam
Tilburg University, Tilburg, Netherlands

P1-43 FEAR IN LABOR: HOW MATERNAL PHYSIOLOGY AND CHILDHOOD TRAUMA SHAPE POSTPARTUM MENTAL HEALTH

Kira Wright¹, Anna Zhou¹, Nicolette Molina², Parisa Kaliush³, Elisabeth Conradt⁴, Sheila Crowell²
¹University of Utah, Salt Lake City, USA. ²University of Oregon, Eugene, USA. ³University of North Carolina Chapel Hill, Chapel Hill, USA. ⁴Duke University, Durham, USA

P1-44 EXPLORING MATERNAL NARRATIVES DURING THE TRANSITION TO PARENTHOOD AND THEIR IMPLICATIONS FOR INFANT PHYSIOLOGICAL STRESS REACTIVITY

Amorine Adodo¹, Tal Yatziv^{2,1}, Helena Rutherford¹, Rebecca Brooker³
¹Yale University, New Haven, USA. ²Ben-Gurion University of the Negev, Beersheba, Israel. ³Texas A&M University, College Station, USA

P1-45 PARENTING: FORETELLING IMPACTS ON GIRL'S PHYSIOLOGICAL EMOTIONAL REACTIVITY AND BEHAVIOR

Minella Aghajani, Elena Cannova, Steve Lee, Jennifer Somers
UCLA, Los Angeles, USA

P1-46 HEALTHY DEVELOPMENT OF PROSOCIAL BEHAVIORS IN YOUNG CHILDREN: EFFECTS OF FAMILIAL DYNAMICS & NEURAL SYNCHRONY

Anna Bankston¹, Khalil Thompson¹, Nadine Melhem², Susan Perlman¹

¹Washington University in St. Louis School of Medicine, St. Louis, USA. ²University of Pittsburgh School of Medicine, Pittsburgh, USA

P1-47 Evaluation of Responsive Parent Training for Low-Income Families in Hong Kong

Maya Bowen¹, Michael NG², Ginnie Ho², Phyllis Chan², Megan Gunnar¹, Susanna Lee²

¹University of Minnesota, Minneapolis, USA. ²OneSky, Hong Kong, Hong Kong

P1-49 INTERGENERATIONAL TRANSMISSION OF MATERNAL CHILDHOOD MALTREATMENT TO CHILD SOCIOEMOTIONAL OUTCOMES: THE ROLE OF DYADIC EMOTIONAL SYNCHRONY AS A MEDIATOR

Mauricio Espinoza^{1,2}, Jennifer Warmingham¹, Andreane Lavallee¹, Jill Owen¹, Vanessa Babineau¹, Jaime Silva², Dani Dumitriu¹

¹Columbia University Irving Medical Center, New York, USA. ²Universidad del Desarrollo, Santiago, Chile

P1-50 Maternal Mental Health Symptom Severity, Recent Stress, and their Associations with Parenting Sensitivity in a Treatment-seeking Sample

Cici Guo¹, Charlie Rioux², Leslie Roos¹

¹University of Manitoba, Winnipeg, Canada. ²University of Oklahoma, Norman, USA

P1-51 THE INTERACTION BETWEEN HIPPOCAMPAL EARLY ADVERSITY ASSOCIATED GENE NETWORKS AND FAMILY DYNAMICS TO PREDICT DEPRESSION AMONG ADOLESCENTS

Azuna Sawada¹, Lauren Malave¹, Irina Pokhvisneva², Sachin Patel², Bonnie Alberry², Marc Gameroff¹, Myrna Weissman¹, Ardesheer Talati¹, Patricia Silveira², Christoph Anacker¹, Milenna van Dijk¹

¹Columbia University, New York, USA. ²McGill University, Montreal, Canada

P1-52 ASSOCIATIONS BETWEEN NEONATAL HYPOGLYCEMIA AND RECEPTIVE LANGUAGE DEVELOPMENT

Jennifer Barbosa^{1,2}, Lauren Shuffrey³, William Fifer¹, Laura Lakusta²

¹Columbia University Irving Medical Center, New York, USA. ²Montclair State University, Montclair, USA. ³NYU Langone, New York, USA

P1-53 CLARIFYING ADAPTIVE EMOTION REGULATION IN TODDLERHOOD: LINKS BETWEEN BEHAVIORAL AND PARASYMPATHETIC REGULATION

Lydia Bierce¹, Madelyn Labella²

¹University at Albany, SUNY, Albany, USA. ²College of William and Mary, Williamsburg, USA

P1-54 Multilevel perspectives on regulation of sadness among preadolescent girls: Leveraging a novel pilot home study

Elena Cannova¹, Pauline Vartany¹, Ryle Eskander¹, Alina Casillas¹, Angelina Meng¹, Qiran (Cheryl) Sun¹, Jennifer Somers^{2,1}

¹UCLA, Los Angeles, USA. ²Auburn University, Auburn, USA

P1-55 NEONATAL HAIR CORTISOL AND BIRTH OUTCOMES: A META-ANALYSIS

LillyBelle Deer¹, Catherine Demers², Benjamin Hankin³, Jenalee Doom¹, Grant Shields⁴, M. Camille Hoffman², Elysia Davis^{1,5}

¹University of Denver, Denver, USA. ²University of Colorado Anschutz Medical Campus, Aurora, USA. ³University of Illinois Urbana-Champaign, Champaign, USA. ⁴University of Arkansas, Fayetteville, USA. ⁵University of California - Irvine, Irvine, USA

P1-56 EXAMINING TEMPERAMENT AS A MODERATOR OF CHANGES IN CHILD RSA ACROSS PHASES OF A STRUCTURED DYADIC TASK

Kivilcim Degirmencioglu¹, Marisa N. Lytle¹, Lucia Herrero¹, Susan B. Perlman², Erika Lunkenheimer¹, Koraly Perez-Edgar¹

¹The Pennsylvania State University, University Park, USA. ²Washington University School of Medicine, St. Louis, USA

P1-58 PUBERTAL HORMONE TRAJECTORIES ALTERED BY HARSH CONTEXT AND ASSOCIATED WITH PSYCHOSOCIAL AND NEUROCOGNITIVE DEVELOPMENT: AN ABCD ACCELERATED DESIGN

Avary I Evans, Cullin J Howard, Linhao Zhang, Charles Geier, Assaf Oshri
University of Georgia, Athens, USA

P1-59 Remote assessment of physiological synchrony: A novel method for investigating mother-infant heart rate coordination

Amy Hume¹, Annie Brandes-Aitken¹, Natalie Brito¹, Denise Werchan^{2,1}, Maggie Zhang¹

¹New York University, Department of Applied Psychology, New York City, USA. ²New York University School of Medicine, Department of Child & Adolescent Psychiatry, New York City, USA

P1-60 UNDERSTANDING THE DYNAMICS OF CORTISOL REACTIVITY: THE INTERPLAY OF PARENTAL SENSITIVITY AND CHILD TEMPERAMENT

Maitri Jain¹, Nestor Lopez-Duran², Angela D. Staples¹, Jamie M. Lawler¹

¹Eastern Michigan University, Ypsilanti, USA. ²University of Michigan, Ann Arbor, USA

P1-61 EXPLORING ASSOCIATIONS AMONG ERROR-RELATED NEGATIVITY, PERCEPTION OF NEGATIVE INTERPERSONAL EVENTS, AND INTERNALIZING SYMPTOMS AMONG AT-RISK ADOLESCENT GIRLS

Rebecca Mueller¹, Katie Burkhouse², Jennifer Suor¹

¹University of Illinois Chicago, Chicago, IL, USA. ²Penn State University, State College, PA, USA

P1-62 IMPACT OF SOCIAL AVOIDANCE ON COGNITIVE FUNCTION IN POST-MENOPAUSAL WOMEN: INSIGHTS FROM AN ESTRADIOL CLINICAL TRIAL

Jennifer Ouyang¹, Jan St. John¹, Victor Henderson², Biing J. Shen³, Naoko Kono¹, Howard N. Hodis⁴, Wendy J. Mack¹

¹Department of Population and Public Health Sciences, Keck School of Medicine, University of Southern California, Los Angeles, USA. ²Departments of Epidemiology and Population Health and of Neurology and Neurological Sciences, Stanford University, Palo Alto, USA. ³The Wright Institute, Berkeley, USA. ⁴Department of Medicine, Keck School of Medicine, University of Southern California, Los Angeles, USA

P1-63 ANTICIPATION OF ALCOHOL IN ADOLESCENT C57BL6/J MICE: ROLE OF OXYTOCIN AND VASOPRESSIN RECEPTORS IN CONSUMPTION AND BODY TEMPERATURE CHANGE

Chris Palasch, Christopher Harshaw
University of New Orleans, New Orleans, USA

P1-64 THE MATERNAL FORCE AWAKENS EMERGING FEAR REGULATION: RESULTS FROM THE BABY JEDI STUDY

Jennifer Phillips¹, Maria Gartstein², Martha Ann Bell¹

¹Virginia Tech, Blacksburg, USA. ²Washington State University, Pullman, USA

P2-23 Reward processing in postpartum bonding: Insights from neuroimaging

Julia Ditzer¹, Anna-Lena Zietlow¹, Ines Brenner¹, Beate Ditzen², Monika Eckstein²

¹TU Dresden, Dresden, Germany. ²Universität Heidelberg, Heidelberg, Germany

P1-66 ALWAYS ON MY MIND: EFFECTS OF ADVERSITY AND ANXIETY ON NEURAL SYNCHRONY IN PARENT-CHILD DYADS

Lucia Herrero¹, Joscelyn Rocha-Hidalgo¹, Marisa Lytle¹, Kivilcim Degirmencioglu¹, Susan Perlman², Koraly Pérez-Edgar¹

¹Penn State University, University Park, USA. ²Washington University St. Louis, St. Louis, USA

P1-67 A MACHINE LEARNING APPROACH TO UNDERSTAND THE INFLUENCE OF EARLY ADVERSITY AND STRESS-RELATED NEUROPHYSIOLOGY ON THE PREDICTION OF LATER CALLOUS-UNEMOTIONAL TRAITS

Nicole Huth¹, Sarah Vogel¹, Nila Shakiba¹, Emily Perkins², Yael Paz², Anthony J. Rosellini¹, Roger Mills-Koonce³, Alexis Broussard², Rebecca Waller², Nicholas Wagner¹

¹Boston University, Boston, USA. ²University of Pennsylvania, Philadelphia, USA. ³University of North Carolina at Chapel Hill, Chapel Hill, USA

P1-68 THE ROLE OF CHILDREN'S NEURAL RESPONSES TO EMOTIONAL FACES IN THE INTERGENERATIONAL TRANSMISSION OF ANXIETY SYMPTOMATOLOGY

Finola Kane-Grade^{1,2}, Dashiell Sacks^{2,3}, Carter Petty², Wanze Xie^{2,4}, Charles Nelson^{2,3,5}, Michelle Bosquet Enlow^{2,3}

¹University of Minnesota, Minneapolis, USA. ²Boston Children's Hospital, Boston, USA. ³Harvard Medical School, Boston, USA. ⁴Peking University, Beijing, China. ⁵Harvard Graduate School of Education, Cambridge, USA

P1-69 CHILDHOOD ADVERSITY AND SUBSTANCE MISUSE IN SEXUAL MINORITIES

Rico Sze Chun Lee, Adam Curley

The University of Melbourne, Melbourne, Australia

P1-70 LOOK AT THAT ROBOT: EXPLORING EYE-GAZING PATTERNS IN 4- TO 6-YEAR-OLD CHILDREN DURING THE BEHAVIORAL INHIBITION PARADIGM

Hannah L. Schaefer, Aryn M Vaughan, Sammy Perone

Washington State University, Pullman, USA

P1-72 EXPLORING ASSOCIATIONS BETWEEN MATERNAL MENTAL HEALTH AND INFANT EMOTION REGULATION AT 6 MONTHS: ZOOMING IN ON MATERNAL ANXIETY

Gianina Perez¹, Maggie Zhang¹, Moriah Thomason², Natalie Brito¹

¹New York University, New York City, USA. ²NYU Langone, New York City, USA

P1-73 THE IMPACT OF STRESS AND ANXIETY ON SURGENCY IN EARLY INFANCY

Marco Ramirez Gonzalez, Joshua Underwood, Adrianna Keeney, Maria Gartstein

Washington State University, Pullman, USA

P1-74 NEURAL CORRELATES OF SOCIAL COMPETENCE IN INFANCY: THE ROLE OF THE CAUDATE

Natalie A. Turner¹, Leigha A. MacNeill^{1,2}, Roshaye B. Poleon¹, Alexander J. Dufford³, Elizabeth S. Norton^{1,2,4}, Lauren S. Wakschlag^{1,2}

¹Northwestern University, Institute for Innovations in Developmental Sciences, Chicago, USA.

²Northwestern University Feinberg School of Medicine, Department of Medical Social Sciences, Chicago, USA. ³Oregon Health & Science University, Department of Psychiatry, Portland, USA.

⁴Northwestern University, Department of Communication Sciences and Disorders, Evanston, USA

P1-75 Interaction of Social Disadvantage and Parenting Behaviors on Child Temperament

Diana Vazquez Duque, Rose Gonoud, Elizabeth Wood, Jessica Tipsord, Adriana Balanzar, Annaliese Elliot, Elizabeth Nousen, Hanna Gustafsson, Joel Nigg, Elinor Sullivan
Oregon Health & Science University, Portland, USA

P1-76 BREASTMILK ALLOPREGNANOLONE (ALLO) CONCENTRATION MAY BUFFER NEGATIVE IMPACTS OF MATERNAL PERCEIVED STRESS ON INFANT REGULATORY CAPACITY

Denise M Werchan¹, Bradley Susskind¹, Natalie H Brito², Moriah E Thomason¹

¹NYU Langone, New York, USA. ²New York University, New York, USA

P1-77 PROBLEMATIC SCREEN EXPOSURE NEGATIVELY RELATES TO EFFORTFUL CONTROL IN PRESCHOOLERS

Kylee Fears, Amanda Cremona-Caira
Merrimack College, North Andover, USA

P1-78 BEHAVIOURAL, EEG, AND SELF-REPORT MEASURES OF MULTISENSORY INTEGRATION AND SENSORY SENSITIVITY IN AUTISM

Michelle Luszczowski^{1,2,3}, Carolynn Hare^{1,2,3}, Julia Shannon¹, Yu He Li¹, Samantha Schulz¹, Ryan Stevenson^{1,2,3}

¹Western University, London, Canada. ²Western Institute for Neuroscience, London, Canada.

³Western Centre for Brain and Mind, London, Canada

P1-80 THE ASSOCIATION BETWEEN NEIGHBORHOOD DEPRIVATION AND INFANT SLEEP QUALITY AT 6 MONTHS

Ana Duenas-Crespo, Jessica F. Sperber, Kimberly G. Noble
Teachers College, Columbia University, New York, USA

P1-81 EVALUATION THE CONCORDANCE OF CAREGIVER-REPORTED AND WEARABLE-DERIVED MEASURES OF SLEEP HEALTH IN CHILDREN AGED 6-24

Chanel Malette¹, Ayesha Sania^{1,2}, Liana Eisler^{1,2}, Rabelani Negota³, Thandeka Mazubane³, Michal Zieff³, Kirsten Donald³, William Fifer^{1,2}, Nicolo Pini^{1,2}

¹New York State Psychiatric Institute, New York, USA. ²Columbia University, New York, USA.

³University of Cape Town, Cape Town, South Africa

P1-82 POSTNATAL MATERNAL CARE INTERACTS WITH PRENATAL BISPHENOL EXPOSURE ON ESRRG GENE EXPRESSION AND CO-EXPRESSED GENE PROFILES IN THE DEVELOPING HYPOTHALAMUS OF FEMALE RAT OFFSPRING

Samantha Lauby, Frances Champagne
University of Texas at Austin, Austin, USA

P1-83 EXAMINING DIMENSIONS OF MATERNAL CHILDHOOD ADVERSITY AND THEIR INFLUENCE ON OFFSPRING BRAIN VOLUME IN MIDDLE CHILDHOOD

Rebecca Lipschutz¹, Sanne van Rooij¹, Sean Minton¹, Anais Stenson², Timothy Ely¹, Jennifer Stevens¹, Tanja Jovanovic², Abigail Powers¹

¹Emory School of Medicine, Atlanta, USA. ²Wayne State University, Detroit, USA

P1-84 EVALUATING A NOVEL HIGH-DENSITY EEG SENSOR NET STRUCTURE FOR IMPROVING INCLUSIVITY IN INFANTS WITH CURLY OR TIGHTLY COILED HAIR

Nwabisa Mlandu¹, Sarah McCormick², Lauren Davel¹, Michal Zieff¹, Layla Bradford¹, Donna Herr¹, Chloë Jacobs¹, Anele Khumalo¹, Candice Knipe¹, Zamazimba Madi^{1,3}, Thandeka Mazubane¹, Bokang Methola¹, Tembeka Mhlakwaphalwa^{1,4}, Marlie Miles¹, Zayaan Goolam Nabi¹, Rabelani Negota¹, Khanyisa Nkubungu¹, Tracy Pan^{1,5}, Reese Samuels¹, Sadeeka Williams¹, Simone Williams¹, Trey Avery⁶, Gaynor Foster⁶, Kirsten Donald¹, Laurel Gabard-Durnam²

¹University of Cape Town, Cape Town, South Africa. ²Northeastern University, Boston, USA.

³University of KwaZulu Natal, Durban, South Africa. ⁴Rhodes University, Makhanda, South Africa.

⁵Stanford University, Stanford, USA. ⁶Magstim EGI, Whitland, United Kingdom

P1-85 RELATIONS BETWEEN CHILD PROTECTIVE SERVICE INVOLVEMENT AND INFANT BRAIN VOLUMES

Francesca Penner¹, Banu Ahtam², Yangming Ou^{2,3}, P. Ellen Grant², Karlen Lyons-Ruth⁴

¹Baylor University, Waco, USA. ²Dept. of Pediatrics, Boston Children's Hospital, Harvard Medical School, Boston, USA. ³Dept. of Radiology, Boston Children's Hospital, Harvard Medical School, Boston, USA. ⁴Dept. of Psychiatry, Cambridge Health Alliance, Harvard Medical School, Cambridge, USA

⁵Stanford University, Stanford, USA. ⁶Magstim EGI, Whitland, United Kingdom

P1-86 Effects of Maternal Inflammatory Markers Levels During Pregnancy on Neurodevelopmental Outcomes in Infants: an EEG Pilot Study

Marco Rizzo, Rushna Tubassum, Carly Kaplan, Juliana Camacho Castro, Anna Sophie Rommel
Psychiatry Department, Icahn School of Medicine at Mount Sinai, New York, USA

P1-87 AUDITORY BRAINSTEM PATHWAY ACROSS DEVELOPMENT IN AUTISM

Ala Seif, Renee Guerville, Mohammad Rajab, Kristina Schaaf, Susanne Schmid, Ryan Stevenson
University of Western Ontario, London, Canada

P1-88 AGE AND EMOTION IMPACT FACE PROCESSING IN A LARGE LONGITUDINAL COHORT OF INFANTS IN SOUTH AFRICA

Ana C. Sobrino¹, Cassandra J. Franke¹, Sarah A. McCormick¹, Lauren Davel², Michal R. Zieff², Khula SA Data Collection Team², Kirsten A. Donald², Laurel J. Gabard-Durnam¹
¹Northeastern University, Boston, USA. ²University of Cape Town, Cape Town, South Africa

P1-89 Brain Age Prediction and Deviations from Normative Trajectories in the Neonatal Connectome

Huili Sun, Dustin Scheinost
Yale University, New Haven, USA

P1-90 CLEARING THE AIR: A SYSTEMATIC REVIEW OF STUDIES ON AIR POLLUTION AND CHILDHOOD BRAIN OUTCOMES TO MOBILIZE POLICY CHANGE

Anna Parenteau, Sally Hang, Johnna Swartz, Anthony Wexler, Camelia Hostinar
University of California, Davis, Davis, USA

P1-91 ASSOCIATION OF COVID-19 PANDEMIC EXPOSURE WITH PRESCHOOL EXTERNALIZING AND INTERNALIZING BEHAVIORS

Anahid Akbaryan¹, Morgan Firestein², Akram Alshawabkeh³, Patricia Brennan⁴, Lauren Costello¹, Sean Deoni⁵, Viren D'Sa⁵, Anne Dunlop⁴, Amy Elliott⁶, Akhgar Ghassabian¹, Julie Hofheimer⁷, Amy Margolis², Daphne Koinis Mitchell⁵, Catherine Monk⁸, Santiago Morales⁹, Sara Nozadi¹⁰, Thomas O'Connor¹¹, Julianna Collazo Vargas¹, Tracey Woodruff¹², Rosalind Wright¹³, Marie Churchill¹⁴, Monica McGrath¹⁴, Lauren Shuffrey¹

¹NYU Grossman School of Medicine, New York, USA. ²Columbia University Medical Center, New York, USA. ³Northeastern University, Boston, USA. ⁴Emory University, Atlanta, USA. ⁵Brown University, Providence, USA. ⁶Avera Research Institute, Sioux Falls, USA. ⁷University of North Carolina at Chapel Hill, Chapel Hill, USA. ⁸Columbia University Vagelos College of Physicians and Surgeons, New York, USA. ⁹University of Southern California, Los Angeles, USA. ¹⁰University of New Mexico Health Sciences Center, Albuquerque, USA. ¹¹University of Rochester Medical Center, Rochester, USA. ¹²University of California, San Francisco, San Francisco, USA. ¹³Icahn School of Medicine at Mount Sinai, New York, USA. ¹⁴Johns Hopkins Bloomberg School of Public Health, Baltimore, USA

P1-92 REPRODUCTIVE SUCCESS, WILLINGNESS TO EXPLORE, AND RESPONSES TO FEAR-INDUCING STIMULI AS A FUNCTION OF JUVENILE PLAY EXPERIENCE IN LONG EVANS RATS

Mackenzie Macomber, Sarah Villagomez, Veronica McIntyre, Julia Lago, Amanda Doak, Melissa J Glenn
Colby College, Waterville, ME, USA

P1-93 IMPACT OF CESAREAN DELIVERY ON REWARD BEHAVIOR AND NEURODEVELOPMENT IN ADULT PRAIRIE VOLE OFFSPRING

Katelyn Rogers, Miranda Partie, Emily Kiernan, William Kenkel
University of Delaware, Newark, USA

P1-94 USING A NOVEL REMOTE EYE-TRACKING METHODOLOGY TO EXAMINE ASSOCIATIONS BETWEEN MATERNAL MENTAL HEALTH AND INFANT MEMORY

Maggie Zhang, Denise Werchan, Natalie Brito
New York University, New York, USA

P1-95 FOCUSED ATTENTION AND EYE MOVEMENT CONTROL AS MEASURES OF DEVELOPING ENDOGENOUS ATTENTION CONTROL IN INFANCY

Kayla Brown, Taylor Marcus, Julie Markant
Tulane University, New Orleans, USA

P1-96 THE ROLE OF HIGHER-ORDER THINKING LANGUAGE SKILLS IN EARLY CHILDHOOD MATH ABILITY

Elena Busick¹, Ece Demir-Lira²
¹Grinnell College, Grinnell, USA. ²University of Iowa, Iowa City, USA

P1-97 CROSS-DISCIPLINARY COLLABORATION FOR EARLY PSYCHOBIOLOGICAL DEVELOPMENT: THE COGNI-BABY REGISTRY FOR MONITORING COGNITIVE OUTCOMES IN CHILDREN VULNERABLE TO CEREBRAL PALSY

Ashley Chen, Chrysanthy Ikonomidou, Melisa Carrasco
University of Wisconsin-Madison, Madison, USA

P1-98 EXPLORING THE IMPACT OF UNPREDICTABILITY OF HOUSEHOLD RESOURCES ON INFANT ATTENTION

Lisete Gimenez¹, Lucy Yan¹, Denise Werchan², Natalie Brito¹
¹New York University, New York, USA. ²NYU School of Medicine, New York, USA

P1-99 INDIVIDUAL DIFFERENCES IN BASELINE CORRECTED THETA COHERENCE IS NOT INFLUENCED BY CONGRUENCY EFFECTS OR TEMPERAMENT

J. Douglas Harrison Jr, Martha Ann Bell
Virginia Tech, Blacksburg, USA

P1-100 EVENT-RELATED POTENTIALS (ERPS) DURING A GO/NO-GO TASK: RELATIONS TO TASK ACCURACY AND SCHOOL READINESS IN EARLY CHILDHOOD

Zeynep Kombe Elazab, Ashley St. John, Amanda Tarullo
Boston University, Boston, USA

P1-101 PROMOTING 3-TO-5 YEAR OLD CHILDREN'S LEARNING OF SCIENCE LESSONS: CUEING ATTENTION TO RELEVANT CONTEXT AND INDIVIDUAL DIFFERENCES IN SELECTIVE ATTENTION SKILLS

Svetha Mohan¹, Jill King², Julie Markant^{1,2}
¹Tulane University Department of Psychology, New Orleans, USA. ²Tulane Brain Institute, New Orleans, USA

P1-102 EXPLORING THE ROLE OF DIRECT COMPETITION AND SPECIES- AND RACE-BASED ATTENTION ORIENTING BIASES TO FACES DURING INFANCY.

Brooke Montgomery¹, Brianna Hunter², Julie Markant¹
¹Tulane University, New Orleans, USA. ²University of California, Davis, Davis, USA

P1-103 COGNITIVE CONTROL: WHAT DOES CHILDHOOD UNPREDICTABILITY HAVE TO DO WITH IT?

Diego Placido¹, Elif Isbell², Yuko Munakata¹
¹UC Davis, Davis, USA. ²UC Merced, Merced, USA

P2-1 EFFECTS OF LIPOPOLYSACCHARIDES AND ACETAMINOPHEN EXPOSURE ON LONG EVANS RAT'S OLFACTORY PREFERENCES

Joshua Herrington, Lillian Tulloch
Georgia Southern University, Savannah, USA

P2-2 DIFFERENCES IN SOCIOEMOTIONAL BEHAVIORS EMERGE IN RATS WITH EARLY LIFE EXPOSURE TO PERINATAL INFLAMMATION AND ACETAMINOPHEN

Cynthia Ware¹, Christopher Harshaw², Joshua Herrington¹

¹Georgia Southern University, Statesboro, USA. ²University of New Orleans, New Orleans, USA

P2-3 DEVELOPMENT OF MULTI-SENSORY LEARNING AND ORBITAL CORTEX IN MICE: STUDYING CRITICAL PERIODS AND THE IMPORTANCE OF SOCIAL INTERACTION

Sarah Wicki^{1,2}, Annika Canziani¹, Ali Özgür Argunsah³, Theofanis Karayannis^{3,2}, Giulia Poggi¹, Christopher Pryce^{1,2}

¹University Hospital of Psychiatry Zurich, Adult Psychiatry and Psychotherapy, Zurich, Switzerland.

²University Research Priority Program, Adaptive Brain Circuits in Development and Learning, University of Zurich, Zurich, Switzerland. ³Brain Research Institute, University of Zurich, Zurich, Switzerland

P2-4 EFFECTS OF PERINATAL INFLAMMATION AND OXIDATIVE STRESS ON MICROBIOME HEALTH AND ANXIOLYTIC BEHAVIOR IN ADULT RATS (RATTUS NORVEGICUS): A PRELIMINARY STUDY

ALEXANDER YOUNG, Joshua Herrington
Georgia Southern University, Savannah, USA

P2-5 OXYTOCIN RECEPTOR GENE DNA METHYLATION STATUS IN INFANTS AND BIRTH PARENTS WITH OPIOID DEPENDENCY UNDERGOING ATTACHMENT AND BIOBEHAVIORAL CATCH-UP INTERVENTION

Ian Smith, Taylor Campbell, Christiana Martin, Mary Dozier, Tania Roth
University of Delaware, Newark, USA

P2-6 PARENTS' SELF-REPORTED AND CARDIAC RESPONSIVITY TO A REMOTE STRESS INDUCTION AND SUBSEQUENT IMPACTS OF SOCIAL BUFFERING

Chhavy Narendra, Rohit Gupta, Leslie Roos, Ryan Giuliano
University of Manitoba, Winnipeg, Canada

P2-7 LIFETIME STRESSOR EXPOSURE AND POSITIVE CHILDHOOD EXPERIENCE ASSOCIATION WITH HEALTH BEHAVIORS AMONG ADOLESCENTS

Kenia Rivera¹, Deborah Han¹, Samantha Scott¹, Hany Khattab^{2,3,4}, Jenalee Doom¹

¹University of Denver, Denver, USA. ²Denver Health, Denver, USA. ³University of Colorado School of Medicine, Aurora, USA. ⁴Children's Hospital Colorado, Aurora, USA

P2-8 ARE ASSOCIATIONS BETWEEN MULTIMETHOD ASSESSMENTS OF PRENATAL STRESS AND NEWBORN BIRTH OUTCOMES BUFFERED BY SOCIAL SUPPORT?

Marilynn Santana¹, Anna Zhou^{1,2}, Kira Wright³, Madeleine Bruce⁴, Sarah Maylott⁴, Sheila Crowell⁵, Elisabeth Conradt⁴

¹University of Utah, Salt Lake City, USA. ²The University of Colorado Anschutz Medical Campus, Aurora, USA. ³The University of Utah, Salt Lake City, USA. ⁴Duke University, Durham, USA. ⁵The University of Oregon, Eugene, USA

P2-9 MATERNAL PRENATAL CORTISOL AND BEHAVIORAL PROBLEMS IN YOUNG CHILDREN

Alexis Taylor¹, Christina Lee¹, Cassandra Hendrix², Moriah Thomason², Chris Trentacosta¹
¹Wayne State University, Detroit, USA. ²New York University Langone, New York, USA

P2-10 Effects of Prenatal SARS-CoV-2 Exposure, Postnatal Maternal Stress, and Food Insecurity on Early Emerging Childhood Psychopathology Symptoms

Jennifer Warmingham¹, Cristina Fernandez¹, Nicholas Bustos², Grace Smotrich¹, Diana More¹, Elena Arduin¹, Ruiyang Xu¹, Andreane Lavallee¹, Catherine Monk¹, Dani Dumitriu¹, Rachel Marsh¹
¹Columbia University Irving Medical Center, New York, USA. ²New York State Psychiatric Institute, New York, USA

P2-11 A POPULATION-BASED STUDY OF THE EFFECTS OF POVERTY ON MATERNAL AND CHILD PERINATAL HEALTH

Nadya Ali^{1,2}, Marion van den Heuvel¹, Erik-Jan van Kesteren², Javier Garcia-Bernardo², Manon Benders^{2,3}, Margriet Sitskoorn¹
¹Tilburg University, Tilburg, Netherlands. ²Utrecht University, Utrecht, Netherlands. ³UMC Utrecht, Utrecht, Netherlands

P2-12 INTERGENERATIONAL TRANSMISSION OF POVERTY-RELATED RISKS: A SCOPING REVIEW OF UNDERLYING MECHANISMS

Nadya Ali^{1,2}, Freek van der Heijden¹, Wouter de Baene¹, Margriet Sitskoorn¹, Marion van den Heuvel¹
¹Tilburg University, Tilburg, Netherlands. ²Utrecht University, Utrecht, Netherlands

P2-14 NEIGHBORHOOD SAFETY AND CHILD ACADEMIC ACHIEVEMENT: MODERATING INFLUENCES OF MATERNAL DISCRIMINATION EXPERIENCES

Nia Barbee, Patricia Brennan
Emory University, Atlanta, USA

P2-15 THE RELATIONSHIP BETWEEN NEIGHBORHOOD DISADVANTAGE AND INFANT ATTENTIONAL BIASES

Cassandra Bell, Vanessa LoBue
Rutgers University, Newark, USA

P2-16 MENTALIZING TRAUMA MAY CONTRIBUTE TO MITIGATE THE BIOLOGICAL TRANSMISSION OF CHILDHOOD TRAUMA

Nicolas Berthelot^{1,2,3,4}, [Julia Garon-Bissonnette](#)^{5,1,2,3}, Roxanne Lemieux^{1,2}, Karl Larouche^{1,2,3}, Christine Drouin-Maziade^{1,2,3}

¹Université du Québec à Trois-Rivières, Trois-Rivières, Canada. ²Centre de recherche interdisciplinaires sur le développement de l'enfant et la famille (CEIDF), Trois-Rivières, Canada. ³Interdisciplinary Research Center on Intimate Partner Relationship Problems and Sexual Abuse (CRIPCAS), Montreal, Canada. ⁴CERVO Brain Research Center, Quebec city, Canada. ⁵Vanderbilt University, Nashville, USA

P2-17 CHILDHOOD ADVERSITY AND RESTING FUNCTIONAL BRAIN DEVELOPMENT: A SYSTEMATIC REVIEW AND GUIDING FRAMEWORK

[Haleigh Brown](#), Kathryn Gray, Sonya Troller-Renfree
Teachers College, Columbia University, New York, USA

P2-18 Associations Between Expectant Fathers' Early Family Risk, White Matter Integrity, and Prenatal Mental Health

Sofia Cárdenas^{1,2}, Van Truong¹, Genesis Flores¹, [Philip Newsome](#)¹, Vidya Rajagopalan², Darby Saxbe¹

¹University of Southern California, Los Angeles, USA. ²Childrens Hospital Los Angeles, Los Angeles, USA

P2-19 Beyond Clinical Indicators: Exploring the Connection between Vagal Tone and Lethargy in Preterm Infants

Vania Aldrete-Cortez¹, [Liz Catano-Cedillo](#)¹, Mario Enrique Rendón-Macías²

¹Laboratory of Neuroscience and Cognitive Development, School of Psychology, Universidad Panamericana, Mexico City, Mexico. ²Departamento Salud Pública, Facultad de Ciencias de la Salud Escuela de Medicina, Universidad Panamericana, Mexico City, Mexico

P2-20 PREDICTING LATENT PROFILES OF EARLY LIFE ADVERSITY AND INTERNALIZING PSYCHOPATHOLOGY

[Kristen Chu](#), Alainna Wen, Matthew Wong, Andrew Sanders, Kayla Sharf, Kate Wolitzky-Taylor, Michelle Craske
UCLA, Los Angeles, USA

P2-21 EXAMINING THE ASSOCIATION OF ADVERSE CHILDHOOD EXPERIENCES ON MATERNAL MENTAL HEALTH TRAJECTORIES DURING PREGNANCY

[Julianna Collazo Vargas](#), Anahid Akbaryan, Lauren A. Costello, Lauren C. Shuffrey
NYU Grossman School of Medicine, New York, USA

P2-22 Child maltreatment and interoception: A meta-analytic review

Julia Ditzer¹, Christian F. J. Woll², Clara Burger¹, Alisa Ernst¹, Susan Garthus-Niegel^{1,3,4}
¹TU Dresden, Dresden, Germany. ²LMU München, München, Germany. ³Norwegian Institute of Public Health, Oslo, Norway. ⁴Medical School Hamburg, Hamburg, Germany

P2-23 Reward processing in postpartum bonding: Insights from neuroimaging

Julia Ditzer¹, Anna-Lena Zietlow¹, Ines Brenner¹, Beate Ditzen², Monika Eckstein²
¹TU Dresden, Dresden, Germany. ²Universität Heidelberg, Heidelberg, Germany

P2-24 REDUCED CORTICAL GLUTAMATE IN TRAUMA-EXPOSED ADOLESCENTS DURING INHIBITORY CONTROL WITH NEGATIVE EMOTIONAL STIMULI: A ¹H FUNCTIONAL MRS STUDY

John McClellan France, Dalal Khatib, Shaurel A. Calbrun, Sattvik Basarkod, William M. Davie, Vaibhav A. Diwadkar, Jeffrey A. Stanley, Tanja Jovanovic
Wayne State University School of Medicine, Detroit, USA

P2-25 HOUSEHOLD AND NEIGHBORHOOD INCOME AND RISK FOR CHILD PSYCHOPATHOLOGY: EXAMINING PRENATAL NUTRITION AS A MEDIATOR

Shania Friedman, Anne Dunlop, Erin Ferranti, Patricia A. Brennan
Emory University, Atlanta, USA

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Bria Gresham, Megan Gunnar
University of Minnesota - Twin Cities, Minneapolis, USA

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Maria Hayes, Nisha Sridhar, Elizabeth Wood, Olivia Lashley, Hanna Gustafsson, Elinor Sullivan
Oregon Health & Science University, Portland, USA

P2-28 ASSOCIATIONS OF NEIGHBORHOOD DEPRIVATION AND HOUSEHOLD INCOME ON CHILD EXTERNALIZING AND INTERNALIZING SYMPTOMS

Yunzhe Hu¹, Julianna Collazo Vargas², Christine Hockett³, Katherine Ziegler³, Amy Elliott³, William Fifer¹, Santiago Morales⁴, Lauren Shuffrey²

¹Columbia University Irving Medical Center, New York, USA. ²NYU Grossman School of Medicine, New York, USA. ³Avera Research Institute, Sioux Falls, USA. ⁴University of Southern California, Los Angeles, USA

P2-29 CAN THE EFFECTS OF EARLY LIFE STRESS ON THE IMMUNE SYSTEM IN ADULTHOOD BE AMELIORATED BY AN INTERVENTION DURING ADOLESCENCE?

Tayla McCutcheon, Rick Richardson
UNSW, Sydney, Australia

P2-30 POTENTIAL LINKS BETWEEN NEIGHBORHOOD ENVIRONMENT, DEPRESSIVE SYMPTOMS, AND CORTISOL IN PREGNANT LATINX WOMEN

Esmeralda Lezama Ruiz, Kimberly D' Anna Hernandez
Marquette University, Milwaukee, USA

P2-31 Investigating Racial and Ethnic Diversity in MRI Studies of the Maternal Brain: A Scoping Review

Kathryn Wall¹, Edwina Orchard¹, Clíona Kelly¹, Josephine Levy¹, Jin Young Shin¹, Claudia Gaebler¹, Victoria Hart-Derrick¹, Amorine Adodo¹, Kathy Ayala¹, Michèle Day¹, Melissa Funaro¹, Kathleen Guan², Termara Parker¹, Jocelyn Ricard¹, Francesca Penner³, Tal Yatziv⁴, Helena Rutherford¹
¹Yale University, New Haven, USA. ²Technische Universiteit Delft, Delft, Netherlands. ³Baylor University, Waco, USA. ⁴Ben-Gurion University, Negev, Israel

P2-32 DEPRESSIVE SYMPTOMS MEDIATE THE ASSOCIATION BETWEEN RACIAL DISCRIMINATION AND PRENATAL SUBSTANCE USE

Jocelyn Stanfield¹, Anne Dunlop¹, Elizabeth Corwin², Patricia Brennan¹
¹Emory University, Atlanta, USA. ²Columbia University, New York, USA

P2-33 STEPS TO RECOVERY: I. TREADMILL STEPPING IN LOW-THORACIC SPINAL-TRANSECTED RATS

Diana Cortez¹, Leticia Herrera¹, Aimee Bozeman¹, Alleyna Martes¹, Nicholas Collins², Taylor Campbell², Tania Roth², Michele Brumley¹
¹Idaho State University, Pocatello, USA. ²University of Delaware, Newark, USA

P2-34 STEPS TO RECOVERY: II. DOES TREADMILL TRAINING AFFECT SENSORIMOTOR REFLEXES IN SPINAL-TRANSECTED RATS?

Leticia Herrera¹, Aimee Bozeman¹, Alleyna Martes¹, Nicholas Collins², Taylor Campbell², Tania Roth², Michele Brumley¹
¹Idaho State University, Pocatello, USA. ²University of Delaware, Newark, USA

P2-35 BLINK RATE AS A PHYSIOLOGICAL MEASURE OF ANXIETY IN EARLY CHILDHOOD

Talia Halleck¹, [Megan Schumer](#)¹, Joscelyn Rocha-Hidalgo², Shrinidhi Jeyaram¹, Maya Dieterle¹, Hannah Crawford¹, Koraly Perez Edgar², Susan Perlman¹

¹Washington University in St Louis, St Louis, USA. ²Pennsylvania State University, University Park, USA

P2-36 THE INFLUENCE OF PARENTAL RESPONSES TO CHILDREN'S NEGATIVE EMOTIONS ON CHILDREN'S PHYSIOLOGICAL RESPONDING

[Yelim Hong](#), Nicole Jackson, Laura Quiñones Camacho
The University of Texas at Austin, Austin, USA

P2-37 The link between parent-youth RSA synchrony and youths' anxious/withdrawn symptoms in varying levels of parental acceptance context: A time-optimized wavelet approach

[Cullin Howard](#), Avary Evans, Drew Abney, Niyantri Ravindran, Charles Geier, Geoffrey Brown, Justin Knight, Assaf Oshri
University of Georgia, Athens, USA

P2-38 EXPLORING THE ASSOCIATION BETWEEN PARENT-CHILD RELATIONSHIP QUALITY AND RSA SYNCHRONY ACROSS STRESSFUL CONTEXTS

[Kimberly Labra-Franco](#)¹, Zaynab Ibrahim¹, Joscelyn Rocha-Hidalgo¹, Marisa Lytle¹, Koraly Perez-Edgar¹, Susan Perlman²

¹Pennsylvania State University, State College, USA. ²Washington University in St Louis, Saint Louis, USA

P2-39 Evaluating associations between maternal mental health and mother-infant behavioral synchrony at 6 months of age

[Alejandra Lemus](#), Natalie Brito
New York University, New York, USA

P2-40 INTERGENERATIONAL STRESS TRANSMISSION: EXPLORING THE IMPACT OF MATERNAL STRESS ON SENSITIVITY, INFANT BEHAVIORS, AND PHYSIOLOGY AMONG PREDOMINANTLY BLACK MOTHERS AND INFANTS

[Elizabeth McAfee](#)¹, Rebecca Lipschutz¹, Catherine Abrams¹, Ahana Narayanan², David O'Banion¹, Patricia Brennan², Jennifer Stevens¹, Abigail Powers¹

¹Emory University School of Medicine, Atlanta, USA. ²Emory University, Atlanta, USA

P2-41 MOTHER-INFANT DYADIC BEHAVIORAL DYNAMICS AND INFANT CORTISOL RESPONSES TO THE STILL-FACE PARADIGM

Gabrielle Rinne, Jennifer Somers, Christine Dunkel Schetter
UCLA, Los Angeles, USA

P2-42 ARE YOU EVEN WATCHING? INFLUENCE OF GAZE ON SYNCHRONY OF PHYSIOLOGICAL AROUSAL IN PARENT-CHILD DYADS

Marisa Lytle¹, Kivılcım Degirmencioglu¹, Lucia Herrero¹, Susan Perlman², Koraly Pérez-Edgar¹
¹The Pennsylvania State University, State College, USA. ²Washington University School of Medicine, St. Louis, USA

P2-43 PARENT'S CROSS-SYSTEM AUTONOMIC REGULATION (CSAR) PREDICTS FEWER RESTRICTIVE PARENTING BEHAVIORS

Kathy Sem¹, Nila Shakiba¹, Sarah Vogel¹, Cora Ordway¹, Hong Bui², Danielle Novick³, Lindsay Druskin⁴, Andrea Chronis-Tuscano², Kenneth Rubin², Nicholas Wagner¹
¹Boston University, Boston, USA. ²University Of Maryland, College Park, USA. ³Yale University, New Haven, USA. ⁴West Virginia University, Morgantown, USA

P2-44 NEGATIVE PARENTING AND PRESCHOOLER EXECUTIVE FUNCTION DEVELOPMENT: IS RSA FLEXIBILITY A PROTECTIVE OR RISK FACTOR?

Alexa Nordine^{1,2}, Longfeng Li², Erika Lunkenheimer²
¹University of Waterloo, Kitchener, Canada. ²Pennsylvania State University, University Park, USA

P2-45 SEX DIFFERENCES IN AUTONOMIC NERVOUS SYSTEM RESPONSES TO THE EYES OPEN-EYES CLOSED CHALLENGE DURING CHILDHOOD

J. David Nugent¹, Nicolo Pini², Amy Elliott³, Katherine Ziegler³, Christine Hockett³, William Fifer^{2,1}
¹New York State Psychiatric Institute, New York, USA. ²Columbia University Medical Center, New York, USA. ³Avera Research Institute, Sioux Falls, USA

P2-46 BEHAVIORAL ACTIVATION AND SYMPATHETIC ACTIVITY MODERATE THE RELATION BETWEEN CHILDHOOD HARSH PARENTING AND ANXIETY IN ADULTHOOD

Taqwa Ramadan, Kate Senich, Teresa Mejia, Vidhi Jain, Elana Gordis
SUNY Albany, Albany, USA

P2-47 EXAMINING NEUROENDOCRINE CORRELATES AND CIRCADIAN RHYTHM DISRUPTIONS TO UNDERSTAND PEDIATRIC CHRONIC PAIN

Madeleine Rose, Anna Parenteau, Camelia E. Hostinar

P2-48 TELOMERE LENGTH AND CHANGE AMONG INFANTS GROWING UP IN LOW- TO MID-INCOME HOUSEHOLDS

Georgia Spurrier¹, Lara Pierce², Viviane Valdes^{1,3}, Saúl Urbina-Johanson^{1,4,5}, Alejandra Barrero-Castillero^{3,6}, Chirag Vyas^{7,8}, Steven Senese^{9,8}, Immaculata De Vivo^{9,8}

¹Boston Children's Hospital, Division of Developmental Medicine, Boston, USA. ²York University Department of Psychology, Toronto, Canada. ³Harvard Medical School Department of Pediatrics, Boston, USA. ⁴Harvard University Department of Psychology, Boston, USA. ⁵Harvard T.H. Chan School of Public Health Department of Social and Behavioral Sciences, Boston, USA. ⁶Beth Israel Deaconess Medical Center Department of Neonatology, Boston, USA. ⁷Massachusetts General Hospital Department of Psychiatry, Boston, USA. ⁸Harvard Medical School Department of Medicine, Boston, USA. ⁹Harvard T.H. Chan School of Public Health Department of Epidemiology, Boston, USA

P2-49 WITHIN- AND BETWEEN-PERSON ASSOCIATIONS BETWEEN RSA AND OBSERVED ANXIOUS BEHAVIORS IN RESPONSE TO ACUTE STRESS IN ADOLESCENCE

Jianing Sun, Madison Politte-Corn, Kristin Buss

Department of Psychology, The Pennsylvania State University, University Park, USA

P2-50 A protocol to acquire neonate and infant physiology in the Rohingya camps and surrounding communities in Cox's Bazar, Bangladesh

Elisa Ugarte¹, Md Shakil Ahamed², Eamam Hossain², Md Sajjadur Rahman², Mahbub Elahi², Kazi Sanin², Fahmida Tofail², Paul Hastings³, Alice Wuermli¹

¹Global TIES for Children, New York University, New York, USA. ²icddr,b, Dhaka, Bangladesh.

³University of California Davis, Davis, USA

P2-51 Diurnal cortisol profiles and subjective well-being: Longitudinal associations among children and adolescents

Yanjia Zhang^{1,2}, Jianing Sun³, Mingjun Xie¹, Shan Zhao⁴, Wei Wang¹, Shiyuan Xiang¹, Danhua Lin¹

¹Beijing Normal University, Beijing, China. ²Northwestern University, Chicago, USA. ³The Pennsylvania State University, State College, USA. ⁴Shanghai Jiao Tong University, Shanghai, China

P2-52 LINKS BETWEEN FETAL HEART RATE VARIABILITY, POSTPARTUM PARENTING STRESS, AND TODDLER PSYCHOPATHOLOGY RISK

Anna Zhou^{1,2}, Sarah Maylott³, Dylan Neff¹, Elisabeth Conradt³, Sheila Crowell⁴

¹University of Utah, Salt Lake City, USA. ²The University of Colorado Anschutz Medical Campus, Aurora, USA. ³Duke University, Durham, USA. ⁴University of Oregon, Eugene, USA

P2-53 FINANCIAL STRAIN AND INFANT RESPIRATORY SINUS ARRHYTHMIA DEVELOPMENT IN MEXICAN AMERICAN FAMILIES: THE PROTECTIVE ROLE OF AFFECTIONATE TOUCH

Lydia Bierce¹, Amanda Flagg¹, Annabelle Armah¹, Betty Lin¹, Linda Luecken²

¹University at Albany, SUNY, Albany, USA. ²Arizona State University, Tempe, USA

P2-54 Associations between respiratory sinus arrhythmia and white matter connectivity among children with and without histories of Child Protective Services involvement

Tabitha Sellers¹, Hung-Wei Bernie Chen¹, Amanda Flagg², Alexandra Tabachnick³, Nim Tottenham⁴, Mary Dozier¹

¹University of Delaware, Newark, USA. ²State University of New York at Albany, Albany, USA.

³Northwestern University, Evanston, USA. ⁴Columbia University, New York, USA

P2-55 STABILITY OF RESPIRATORY SINUS ARRHYTHMIA IN RESPONSE TO STRESS DURING THE FIRST 6 MONTHS OF LIFE

Emily Padrutt, Mariann Howland, Inyene Ukpong, Sylia Wilson, Megan Gunnar, Daniel Berry
University of Minnesota, Minneapolis, USA

P2-56 KICK ME BABY ONE MORE TIME: EXPLORING LINKS BETWEEN FETAL MOVEMENT AND MATERNAL-FETAL ATTACHMENT

Kathy Ayala¹, Lissa Falcioni², Kristin Voegtline³, Helena Rutherford¹

¹Yale University, New Haven, USA. ²Yale New Haven Hospital, New Haven, USA. ³Weill Cornell University, New York, USA

P2-57 THE FACES OF SOCIAL WITHDRAWAL: BEHAVIORAL AND PHYSIOLOGICAL INSIGHTS IN PRESCHOOL CHILDREN

Vincent A. Chávez, Dr. Paul D. Hastings
UC Davis, Davis, USA

P2-58 RISK-TAKING BEHAVIOR RELATES TO ADAPTIVE FUNCTIONING IN PRESCHOOL-AGED CHILDREN

Amanda Cremone-Caira, Jillian Trudeau
Merrimack College, North Andover, USA

P2-59 Child sex and family SES moderate the association between temperamental negative affect in late childhood and executive functioning in adolescence.

vanessa diaz benitez, martha ann bell
virginia tech, blacksburg, USA

P2-60 FACIAL THERMOGRAPHY AS A NON-INVASIVE MEASURE OF ANXIETY AND TEMPERAMENT DURING DEVELOPMENT: A PILOT STUDY

Joseph Easterly¹, Elise Whitlock¹, Yuliya Kotelnikova², Christopher Harshaw¹

¹University of New Orleans, New Orleans, USA. ²University of Alberta, Edmonton, Canada

P2-61 EXPLORATION OF INFANT TEMPERAMENT PROFILES AND CONCURRENT RELATIONS TO RESTING-STATE EEG COHERENCE

Briana Ermanni, Martha Ann Bell

Virginia Tech, Blacksburg, USA

P2-62 Maternal State and Trait Anxiety as Predictors of Infant Distress: An Examination of Distress in Early Infancy

Michelle Godfrey, Kallie Distler, Joshua Underwood, Masha Gartstein

Washington State University, Pullman, USA

P2-63 EXAMINING RELATIONS BETWEEN TEMPERAMENT AND COGNITION: NEW INSIGHTS FROM NEUROIMAGING

Aryn Vaughan, Sammy Perone

Washington State University, Pullman, USA

P2-64 Maternal Depression: Associations with Parent Child Interactions and Infant Temperament

Olivia Willis, Joshua Underwood, Maria Gartstein

Washington State University, Pullman, USA

P2-65 Examining the Effects of Age and Sex on the Neurophysiology of Fear

Joshua Underwood, Marco Ramirez Gonzalez, Maria Gartstein

Washington State University, Pullman, USA

P2-66 PRENATAL EXPOSURE TO PUBLIC WATER CONTAMINANTS AND PSYCHOPATHOLOGY RISK IN CHILDREN AND ADOLESCENCE

Alexis Hernandez¹, Anne Nigra², Katrina Simon², Amy Margolis², Lauren Shuffrey³, Amy Elliott⁴, Santiago Morales¹

¹University of Southern California, Los Angeles, USA. ²Columbia University, New York, USA. ³NYU Grossman School of Medicine, New York, USA. ⁴Avera Research Institute, Sioux Falls, USA

P2-67 From Seeing to Understanding: Unraveling Perceptual and Conceptual Contributions to Children's Facial Expression Recognition

Shuran Huang, Wanze Xie
Peking University, Beijing, China

P2-68 Preschooler exposure to background media in the home and sleep outcomes: A study with American, Canadian, and Swedish families

Rebecca Cockroft¹, Heather Kirkorian², Rachel Barr¹, Margaret Kerr², McCall Booth¹, Felix-Sebastian Koch³, Annette Sundqvist³, Sarah Coyne⁴, Jenny Radesky⁵, Caroline Fitzpatrick⁶
¹Georgetown University, Washington, USA. ²University of Wisconsin-Madison, Madison, USA.
³Linköping University, Linköping, Sweden. ⁴Brigham Young University, Provo, USA. ⁵University of Michigan, Ann Arbor, USA. ⁶University of Sherbrooke, Sherbrooke, Canada

P2-69 SLEEP AND TEMPERAMENT IN 12 MONTH OLD INFANTS

Maria Breda¹, Maristella Lucchini², Oliviero Bruni³, Natalie Barnett²
¹Department of Psychology, Sapienza University of Rome, Rome, Italy. ²NanitLab, New York, USA.
³Developmental and Social Psychology, Sapienza University of Rome, Rome, Italy

P2-70 EARLY LIFE ADVERSITY AND SLEEP DURING PREGNANCY PREDICT OFFSPRING NEUROCIRCUITRY

Melissa Nevarez-Brewster¹, Catherine Demers¹, Mercedes Hoeflich Haase², Khalid Al-Ali², M. Camille Hoffman³, Martin Styner², Benjamin Hankin⁴, Elysia Poggi Davis¹
¹University of Denver, Denver, USA. ²University of North Carolina – Chapel Hill, Chapel Hill, USA.
³University of Colorado, Denver, USA. ⁴University of Illinois at Urbana Champaign, Illinois, USA

P2-71 DISPARITIES IN SLEEP HEALTH ACROSS PREGNANCY: HOW DO OBJECTIVE AND SUBJECTIVE SOCIOECONOMIC STATUS PREDICT PRENATAL SLEEP?

Özlü Aran¹, Sümeyye Muftareviç², Melissa Nevarez-Brewster¹, Benjamin Hankin³, Elif Duman⁴, Elysia Davis¹
¹University of Denver, Denver, USA. ²Bogazici University, Istanbul, Turkey. ³University of Illinois at Urbana–Champaign, Champaign, USA. ⁴Acibadem University, Istanbul, Turkey

P2-72 Why some, but not all trauma leads to future PTSD: Structural factors that moderate the positive association between trauma exposure and future PTSD symptoms in preadolescents.

Sattvik Basarkod
Wayne State University School of Medicine, Detroit, USA

P2-73 NEURAL REACTIVITY TO INFANT FACES DURING PREGNANCY MODERATES THE ASSOCIATION BETWEEN BIRTH-RELATED STRESSORS AND SYMPTOMS OF POSTPARTUM TRAUMATIC INTRUSIONS

Emilia Cárdenas, Maya Jackson, Meredith Faivre, Julia Garon-Bissonnette, Kathryn Humphreys, Autumn Kujawa
Vanderbilt University, Nashville, USA

P2-74 Screen Exposure and Infant Neurodevelopment at 24 Months in the COVID-19 Mother Baby Outcomes (COMBO) Initiative

Vitoria Chaves¹, Elena Arduin¹, Imaal Ahmed¹, Andreane Lavaelle¹, Morgan Firestein², Dani Dumitriu^{1,2}

¹Department of Pediatrics, Columbia University Irving Medical Center and NewYork-Presbyterian, New York, NY, New York, USA. ²Department of Psychiatry, Columbia University Irving Medical Center, New York, NY, New York, USA

P2-75 RELIABILITY OF THE HURST EXPONENT FROM INFANT FUNCTIONAL MRI AS A PROXY OF E/I BALANCE

Bosi Chen¹, Annika Linke², Lanxin Ji¹, Cassandra Hendrix¹, Aryn Majbri¹, Mark Duffy¹, Natalie Brito³, Moriah Thomason¹

¹NYU Langone, New York, USA. ²San Diego State University, San Diego, USA. ³New York University, New York, USA

P2-76 The influence of basolateral amygdala projections on the development of parvalbumin interneurons in the rat prefrontal cortex across adolescence

E. Myfanwy Cohen¹, Kathryn Baker², Kelsey Zimmermann¹, Rick Richardson¹

¹The University of New South Wales, Sydney, Australia. ²La Trobe University, Melbourne, Australia

P2-77 MORE FREQUENT MOTHER-CHILD INTERACTIONS AT 8 MONTHS PREDICT MORE MATURE INFANT EEG POWER SPECTRUM SLOPES AT 14 MONTHS IN A LARGE SOUTH AFRICAN COHORT

Cassandra Franke¹, Lauren Davel², Michal Zieff², Jinge Ren³, Priyanka Ghosh¹, Khula South Africa Data Collection Team², Dima Amso³, Kirsten Donald², Laurel Gabard-Durnam¹

¹Northeastern University, Boston, USA. ²University of Cape Town, Cape Town, South Africa.

³Columbia University, New York, USA

P2-78 SUPERIOR FRONTAL GYRUS ACTIVATION MODULATES ASSOCIATIONS BETWEEN DEPRESSION AND SUBSTANCE USE VULNERABILITY IN RURAL YOUTHS: AN IN-HOME FNIRS ASSESSMENT

Anna Grossman, Cullin Howard, Charles Geier, Lawrence Sweet, Assaf Oshri

University of Georgia, Athens, USA

P2-79 Early Origins of Depression: Examining Newborn Reward Circuits

Megan Hare^{1,2}, Yanbin Niu², Kathryn Humphreys²

¹Tulane University, New Orleans, USA. ²Vanderbilt University, Nashville, USA

P2-80 Maternal Disorientation and Infant Cortisol Output Mediates Indirect Relations Between Maternal Childhood Neglect and Amygdala and Hippocampal Volume

Ayse Busra Iplikci¹, Miriam Chasson¹, Jennifer Khoury², Banu Ahtam³, Yangming Ou^{3,4}, Michelle Bosquet Enlow⁵, Patricia Ellen Grant³, Karlen Lyons-Ruth¹

¹Dept. of Psychiatry, Cambridge Health Alliance, Harvard Medical School, Boston, USA. ²Dept. of Psychology, Mount Saint Vincent University, Halifax, Cameroon. ³Dept. of Pediatrics, Boston Children's Hospital, Harvard Medical School, Boston, USA. ⁴Dept. of Radiology, Boston Children's Hospital, Harvard Medical School, Boston, United States Minor Outlying Islands. ⁵Dept. of Psychiatry and Behavioral Science, Boston Children's Hospital, Harvard Medical School, Boston, USA

P2-81 INFANT EEG POWER PREDICTS EARLY CHILDHOOD LANGUAGE AND MOTOR SKILLS IN A RURAL SOUTH AFRICAN COHORT

Shaina Brady¹, Peter Rockers², Denise Evans³, Lezanie Coetzee³, Diana Lopera-Perez¹, Günther Fink⁴, Davidson Hamer^{2,5}, Aisha Yousafzai⁶, Amanda Tarullo⁷

¹Department of Psychological and Brain Sciences, College of Arts and Sciences, Boston University, Boston, USA. ²Department of Global Health, Boston University School of Public Health, Boston, USA. ³Health Economics and Epidemiology Research Office, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa. ⁴Swiss Tropical and Public Health Institute, Basel, Switzerland. ⁵Section of Infectious Diseases, Department of Medicine, Boston University Chobanian & Avedisian School of Medicine, Boston, USA. ⁶Department of Global Health and Population, Harvard T.H. Chan School of Public Health, Boston, USA. ⁷Department of Psychological and Brain Sciences, College of Arts and Sciences, Boston University, B, USA

P2-82 SLEEP AS A MECHANISM FOR THE EFFECTS OF AIR POLLUTION ON ADOLESCENT BRAIN STRUCTURE AND COGNITIVE PERFORMANCE

Lydia Lewis, Bria Gresham, Kathleen Thomas
University of Minnesota, Twin Cities, USA

P2-83 Network controllability of the fetal structural connectome

Huili Sun, Dustin Scheinost
Yale University, New Haven, USA

P2-84 WHAT ARE OPTIMAL CONTEXTS FOR MEASURING BASELINE BRAIN ACTIVITY THROUGHOUT INFANCY AND CHILDHOOD? (BUBBLES PRE-REGISTRATION)

Kimberly Cuevas¹, Kelsey Davinson¹, Leslie Patton², Zhe Wang³, Martha Ann Bell²

¹University of Connecticut, Storrs, USA. ²Virginia Tech, Blacksburg, USA. ³Texas A&M, College Station, USA

P2-85 Exploring effects of gut microbiome composition on corticostriatal functioning and internalizing symptoms in childhood

Shiba Esfand¹, Li Ting Ang², Xu Jia², Patrick Lee², Helen Chen³, Marielle V. Fortier³, Ai Peng Tan⁴, Evelyn Law⁴, Helen Juan Zhou⁴, Johan Gunnar Erikson⁴, Chop Yap Seng⁴, Jonathan Huang², Neerja Karmani², Birit Froukie Philipp Broekman⁵, Peter Gluckman⁶, Kok Yen Jerry Chan², Michael Meaney², Bridget Callaghan¹

¹University of California Los Angeles, Los Angeles, USA. ²Singapore Institute for Clinical Sciences (SICS) - A*STAR, Singapore, Singapore. ³KK Women's and Children's Hospital, Singapore, Singapore. ⁴National University of Singapore (NUS)/National University Health System (NUHS), Singapore, Singapore. ⁵OVLG, Amsterdam, Netherlands. ⁶The University of Auckland, Auckland, New Zealand

P2-86 MUSIC DRIVEN EMOTION REGULATION DEPENDS ON DEVELOPMENTAL TIMING OF MUSIC EXPOSURE IN THE MEDIAL PREFRONTAL CORTEX

Kelsie Lopez, Nick Kathios, Rebecca Hennessy, Rishitha Kudaravalli, Juliet Davidow, Psyche Loui, Laurel Gabard-Durnam
Northeastern University, Boston, USA

P2-87 NEUROPLASTICITY AND MOTHERHOOD: EXPLORING THE MATERNAL BRAIN AND PERINATAL MOOD DISORDERS

Madison Miller, Dr. James Paulson

The Virginia Consortium Program of Clinical Psychology, NORFOLK, USA

P2-88 EXAMINING THE EMERGENCE OF ATTENTION BIAS TO THREAT ACROSS INFANCY USING STEADY STATE VISUAL EVOKED POTENTIALS

Alexa Monachino, Alexis Hernandez, Santiago Morales

University of Southern California, Los Angeles, USA

P2-89 LINKING INSULA STRUCTURE TO GUT-MICROBIOME FEATURES IN CHILDREN

Paul Savoca¹, Julia Ditzer², Naomi Gancz¹, Desiree Delgadillo¹, Bridget Callaghan¹

¹UCLA, Los Angeles, USA. ²Dresden University of Technology, Dresden, Germany

P2-90 PRENATAL STRESS AND INFANT EEG DELTA-BETA COUPLING: CAPTURING EARLY NEURAL RISK FOR PSYCHOPATHOLOGY

Berenice Anaya, Jordan Drake, Cynthia Rogers, Christopher Smyser, Deanna Barch, Barbara Warner, Joan Luby
Washington University in St. Louis, St. Louis, USA

P2-91 'BOFF' AND 'DOV' VERSUS 'BOFF' AND 'BOFF': THE ROLE OF NAMING ON INFANTS' MENTAL REPRESENTATIONS OF OBJECTS

Cecilia Nam, Alison Lobo, Sandra Waxman
Northwestern University, Evanston, USA

P2-92 THE ROLE OF DOPAMINE IN FEAR EXTINCTION: SEX DIFFERENCES IN ADOLESCENCE

Emily Wall, Rick Richardson
University of New South Wales, Sydney, Australia

P2-93 MONOLINGUALS AND BILINGUALS' VISUAL RECOGNITION MEMORY OF SOCIALLY RELEVANT STIMULI IN THE US AND SINGAPORE AT 8-10 MONTHS

Rachel Barr¹, Kate Freda¹, Layla Stroer¹, Haifa Al-Bassam¹, Joscelyn Rocha-Hidalgo¹, Sarah Rajendra², Sydney Wasserman¹, Leher Singh³
¹Georgetown University, Washington, USA. ²National University of Singapore, Queenstown, Singapore. ³University of Maryland, Baltimore, USA

P2-94 INDIVIDUAL DIFFERENCES IN ENDOGENOUS ATTENTION CONTROL RELATE TO ATTENTION ORIENTING BIASES TO CAREGIVER VERSUS STRANGER FACES AT 4 MONTHS OF AGE.

Brooke Montgomery, Taylor Marcus, Julie Markant
Tulane University, New Orleans, USA

P2-95 BREASTFEEDING DURATION AND DEVELOPMENTAL OUTCOMES IN PRETERM BORN CHILDREN

Selma Music¹, Sofia Trapaga¹, Iris Menu¹, Moriah Thomason^{1,2,3}
¹Department of Child & Adolescent Psychiatry, NYU Langone Health, New York, NY, USA.
²Department of Population Health, NYU Langone Health, New York, NY, USA. ³Neuroscience Institute, NYU Langone Health, New York, NY, USA

P2-96 LONGITUDINAL ASSOCIATIONS BETWEEN INFANT ATTENTION AND EXECUTIVE FUNCTIONS EVALUATED USING REMOTE EYE TRACKING TECHNOLOGY IN NATURALISTIC SETTINGS

Tram Vo¹, Natalie H Brito¹, Denise M Werchan²

¹New York University, New York, USA. ²NYU Langone, New York, USA

P2-97 THE IMPACT OF FRONTAL EEG ASYMMETRY AND EFFORTFUL CONTROL ON THE RELATION BETWEEN ATTENTION BIAS TO TEST THREATS AND TEST ANXIETY

Mohamed Zerrouk, Martha Ann Bell, Rachel Castro, Madison Fleming, Ilijoski Mila, Dylan Hughson, Rebecca Cuthbertson, Lily Jo, Kilp Nicholas
Virginia Tech, Blacksburg, USA

P2-98 SOCIAL NETWORK SIZE SHAPES INFANTS' ATTENTION BIAS FOR STRANGERS OVER CAREGIVERS AT 4 MONTHS OF AGE

Taylor Marcus, Brooke Montgomery, Julie Markant

Tulane University, New Orleans, USA

P2-99 THE ORAL MICROBIOME AND INTERNALIZING SYMPTOMS: A STRESS SENSITIZATION FRAMEWORK

Naomi Gancz, Elena Chan, Jaiden Huang, Paul Savoca, Siyan Nussbaum, Bridget Callaghan
University of California Los Angeles, Los Angeles, USA

P2-100 Phospholipase A2-activating protein induces mitophagy through anti-apoptotic MCL1-mediated NLRX1 oligomerization

Wangju Yang, Zhilong Zheng, Xing Guo

Nanjing Medical University, Nanjing, China