

**SOCIETY FOR PEDIATRIC AND PERINATAL
EPIDEMIOLOGIC RESEARCH**

CHICAGO, IL, JUNE 13-14, 2022

Program

MONDAY, JUNE 13

12:00 – 3:00 pm *Advanced Methods Workshop*
Chicago 10

Time-Dependent Exposures and Selective Testing in Pregnancy: SARS-CoV-2, COVID-19, and Pre-Eclampsia

Selection bias due to selective testing for exposures in pregnancy: An example from SARS-CoV-2 and preeclampsia

Chelsea Messinger

Study design and analysis for time-dependent exposures during pregnancy, with application to SARS-CoV-2 infection and COVID-19 vaccination

Louisa Smith

3:00 – 7:00 pm Registration
Chicago Promenade East

4:00 – 5:30 pm *Symposium 1* Getting the whole picture: Holistic consideration of environmental, clinical, and social contributions to preterm birth
Chicago 8

Moderators: **Brandie DePaoli Taylor and Sandie Ha**

Integrating social frameworks to promote equity in preterm birth research
Ashley V. Hill

The residential environment and risk of preterm delivery: social and economic factors

Collette N. Ncube

Integrating exposomic and endogenous biomarkers to characterize potential mechanisms of preterm birth

Max Aung

Novel statistical approaches for assessing complex pathways to health outcomes

Carmen D. Tekwe

Symposium 2 The Role of the epigenome in child health: Perspectives from the ECHO (Environmental influences on Child Health Outcomes) consortium

Chicago 9

Moderator: **Carrie Breton**

Epigenetic aging associations with child emotional and behavioral development

Ashley Song

Pregnancy complications and epigenetic age

Zhongzheng (Jason) Niu

Cross Tissue Epigenetic Patterns in Response Air Pollution Exposure in Early Life

Carole Ober

A methodological pipeline to generate an epigenetic marker of prenatal exposure to air pollution indicators

Julie Herbstman

Development and validation of a novel placental DNA methylation biomarker of maternal smoking during pregnancy

Lyndsey Shorey

Discussant: **Carrie Breton**

5:30 – 6:45 pm

Welcome Reception and Poster Session A

Riverwalk B

TUESDAY, JUNE 14

7:00 – 10:00 am

Registration

Chicago Promenade East

7:00 – 9:00 am

Breakfast

Chicago Promenade East

8:00 – 8:10 am

Welcome: Lisa Bodnar

Chicago 8

8:10 – 9:15 am

Keynote Address: Rachel Hardeman, PhD

Chicago 8

“Momma!” An exploration of the intersections of reproductive justice and police violence

“Momma!” George Floyd called out, face pressed against the pavement with the knee of a Minneapolis police officer in his neck. “Momma...I’m

through!” Mr. Floyd yelled. George Floyd’s cry for his “Momma” resonates deeply with all of us—we all know what it feels like to need our mom in times of fear and distress. Yet, there is something else haunting and painful in Mr. Floyd’s words—a cry for help so profound it summoned all Black mothers in America, shaking us to our core, evoking images of our beloved Black sons and Black daughters stolen from us too soon. We are in an unprecedented moment and we each have a role to play in transforming this moment into a movement that shows that Black Lives Matter in reproductive health.

9:15 – 9:30 am

Morning Break
Location TBD

9:30 – 11:00 am

Symposium 3: But is it safe? Applying epidemiology to evaluate COVID-19 vaccine safety during pregnancy
Chicago 8

Moderators: **Ousseney Zerbo and Annette Regan**

Methodological challenges for conducting observational studies of COVID-19 vaccine safety during pregnancy

Deshayne Fell

Periconceptional exposure to COVID-19 vaccines: the value of preconception cohorts

Lauren Wise

COVID-19 vaccine surveillance safety in early pregnancy: design factors affecting association between vaccine and spontaneous abortion

Gabriela Vazquez Benitez

Registry-based approaches to evaluating COVID-19 vaccine safety during pregnancy

Siri Håberg

Cohort event monitoring: monitoring vaccine safety in low and middle-income countries

Robert Chen

Discussants: **Ousseney Zerbo and Annette Regan**

Symposium 4: Double trouble: Considerations for twins in perinatal epidemiologic studies

Chicago 9

Moderators: **Julie Petersen and Samantha Parker**

Fertility treatments and multiple births in the United States

Elnur Babayev

One baby at a time: How public health initiatives have shaped modern fertility care

David Austin Schirmer III

Health disparities and twin gestations: Epidemiology and clinical challenges

Lynn Yee

Multifetal gestations mediate the effect of in vitro fertilization (IVF) on ischemic placental disease in autologous oocyte IVF more than donor oocyte IVF

Anna Modest

Fetal growth and identification of small-for-gestational-age (SGA) in twins

Katherine Grantz

Discussant: **Jennifer Hutcheon**

11:00 – 11:15 am

Break

11:15 – 12:15 pm

Concurrent Contributed Session 1: Pediatric health and well-being
Chicago 8

Concurrent Contributed Session 2: Environmental and social exposures and reproductive health
Chicago 9

Concurrent Contributed Session 3: Methodological and study design considerations in reproductive and perinatal epidemiology
Chicago 10

12:15 – 1:15 pm

Lunch on your own

1:15 – 2:15 pm

Poster session B
Riverwalk B

2:15 – 3:15 pm

Concurrent Contributed Session 4: Inequities in perinatal and postnatal health
Chicago 8

Concurrent Contributed Session 5: Reproductive history and long-term health outcomes
Chicago 9

Concurrent Contributed Session 6: Child development
Chicago 10

3:15 – 3:30 pm Afternoon snack break
Location TBD

3:30 – 5:00 pm ***Plenary: Let's End with a Bang!***
Chicago 8
Recognition of 2022 SPER Award Winners
Jaime Slaughter-Acey
Plenary scientific presentations

5:00 – 6:00 pm ***Business Meeting*** – all are encouraged to attend!
Chicago 8