



DEVELOPING BRAIN INSTITUTE AT PAS 2025

APR
24-28

HONOLULU, HAWAII

This year, research-scientists affiliated with the Developing Brain Institute at Children’s National had eight oral abstracts and 11 posters accepted for the Pediatric Academic Societies (PAS) 2025 meeting. That includes two oral abstracts that scored in the Top 5% of all abstracts submitted to #PAS2025: “Disrupted Motor Networks in Neonates With Complex Congenital Heart Disease,” led by Jung-Hoon Kim, Ph.D.; and “Neonatal Hippocampal Volumes Are Associated With Toddler Behavior in Children Born During the COVID-19 Pandemic,” led by Susan Weiner, Ph.D. candidate.



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<https://developingbrainresearchlab.org/pas-2025/>



PRESENTERS



María G. Mora Álvarez
Ph.D.



Nickie Andescavage
M.D.



Kevin M. Cook
Ph.D.



Srikanth Damera
M.D., Ph.D.



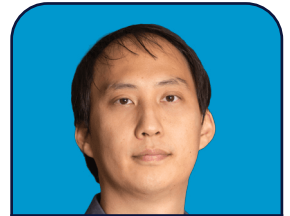
Josepheen De Asis-Cruz
M.D., Ph.D.



Diedtra Henderson
BA



Steve C.N. Hui
Ph.D.



Jung-Hoon Kim
Ph.D.



Kristen Kocher
Ph.D.



**Catherine
Limperopoulos, Ph.D.**



Katherine M. Ottolini
M.D.



Susan Weiner



Yao Wu
Ph.D.



DEVELOPING BRAIN INSTITUTE'S PAS 2025 PRESENTER SCHEDULE

FRIDAY, APR 25



Srikanth Damera, M.D., Ph.D. | 5:30-7:45 p.m.

| Abstract ID: 1981465

Poster: Tensor-Based Morphometry Identifies Impaired Growth of Novel Brain Areas in Fetuses With Congenital Heart Disease



Josepheen De Asis-Cruz, M.D., Ph.D. | 5:30-7:45 p.m.

| Abstract ID: 1979368

Poster: Disrupted Preoperative White Matter Brain Microstructure in Newborns With Complex Congenital Heart Disease

SATURDAY, APR 26



Yao Wu, Ph.D. | 7:45-8 a.m. | Abstract ID: 1976339

Oral Abstract: Altered Cerebral Cortical Maturation in Newborns Exposed to Antenatal Opioids



Kevin M. Cook, Ph.D. | 10-10:15 a.m. | Abstract ID: 1969086

Oral Abstract: Experience of Neighborhood Disadvantage Is Associated With Altered Structural Brain Development Even Before Birth



María G. Mora Álvarez, Ph.D. | 10:30-10:45 a.m. | Abstract ID: 1975707

Oral Abstract: Disrupted White Matter Microstructure in Newborns With Antenatal Opioid Exposure



Jung-Hoon Kim, Ph.D. | 10:45-11 a.m. | Abstract ID: 1952688

Oral Abstract: Disrupted Motor Networks in Neonates With Complex Congenital Heart Disease



DEVELOPING BRAIN INSTITUTE'S PAS 2025 PRESENTER SCHEDULE (CONT.)

SATURDAY, APR 26 (CONT.)



Kristen Kocher, Ph.D./Katherine M. Ottolini, M.D.
| 2-2:15 p.m. | Abstract ID: 1984944

Oral abstract: Early Epigenetic Biomarkers of Deaccelerated Aging in Preterm Infants With Extrauterine Growth Failure



Katherine M. Ottolini, M.D. | 2:30-4:45 p.m. | Abstract ID: 1987204

Poster: Influence of Maternal NICU Visitation on Human Milk Feeding in Preterm Infants



Steve C.N. Hui, Ph.D. | 2:30-4:45 p.m. | Abstract ID: 1980743

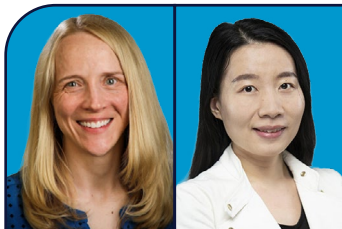
Poster: Brain Metabolite Concentrations in Neonates of Mothers With COVID-19 Exposure During Pregnancy: A Case-Control Study



Diedtra Henderson, BA | 2:30-4:45 p.m. | Abstract ID: 1970651

Poster: Mommy&Me: Enrolling Black Moms and Babies in Clinical Research

SUNDAY, APR 27



Stephanie L. Merhar, M.D., MS/Yao Wu, Ph.D.
| 8:30-10:45 a.m. | Abstract ID: 1963302

Poster: Pharmacologic Treatment for Neonatal Opioid Withdrawal Syndrome (NOWS) Is Associated With Smaller Neonatal Brain Volumes



María G. Mora Álvarez, Ph.D. | 8:30-10:45 a.m. | Abstract ID: 1980851

Poster: White Matter Microstructural Disruptions in Zika Virus-Exposed Children Without Congenital Zika Syndrome



DEVELOPING BRAIN INSTITUTE'S PAS 2025 PRESENTER SCHEDULE (CONT.)

SUNDAY, APR 27 (CONT.)



Josepheen De Asis-Cruz, M.D., Ph.D. | 8:30-10:45 a.m.
| Abstract ID: 1951642

Poster: Brain Functional Connectivity Correlates With Neurobehavioral Impairments in Opioid-Exposed Neonates



Josepheen De Asis-Cruz, M.D., Ph.D. | 8:30-10:45 a.m.
| Abstract ID: 1977311

Poster: Disrupted Ventral Striatal Functional Connectivity in Colombian School-Age Children Exposed in Utero to the Zika Virus



Jung-Hoon Kim, Ph.D. | 8:30-10:45 a.m. | Abstract ID: 1979444

Poster: Optimizing Hyperparameters of U-Net-Based Brain Segmentation Algorithms for Late 2nd and Early 3rd Trimester Fetuses



Nickie Andescavage, M.D. | 2:30-2:45 p.m. | Abstract ID: 1985049

Oral Abstract: Impaired Third Trimester Placental Function in Pregnant Women Living With HIV

MONDAY, APR 28



Carla M. Bann | 7-9:15 a.m. | Abstract ID: 1958963

Poster: Relationship Between Sleep Problems and Social-Emotional Development at 12 Months of Age Among Infants With Antenatal Opioid Exposure and Unexposed Controls



Susan Weiner/Nickie Andescavage, M.D.

| 9:30-9:45 a.m. | Abstract ID: 1985857

Poster: Neonatal Hippocampal Volumes Are Associated With Toddler Behavior in Children Born During the COVID-19 Pandemic



DEVELOPING BRAIN INSTITUTE'S PAS 2025 PRESENTER SCHEDULE (CONT.)

MONDAY, APR 28 (CONT.)



Yao Wu, Ph.D. | 9:45-10 a.m. | Abstract ID: 1976391

Oral Abstract: Reduced Brain Volumes in Normocephalic Children With Prenatal Zika Virus Exposure

**Top 5% of
PAS 2025 abstracts**

	<p>Jung-Hoon Kim, Ph.D. Research Associate</p>	<p>Scan the QR code to learn more</p> 
	<p>Susan Weiner Graduate Research Assistant Ph.D. candidate</p>	

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