Bio

BIO
Dr. Sarah Dubner is a developmental-behavioral pediatrician. The goal of her research is to design interventions that promote healthy development in children at risk for developmental disorders, based on an understanding about how early-life biological and social experiences affect the developing brain.

Dr. Dubner completed her undergraduate degree at Tufts University, where she majored in Physics, her medical degree at the University of Pennsylvania, and pediatric residency at the University of Washington. Following residency, Dr. Dubner practiced as a general pediatrician in the Stanford Divisions of Neonatal and Developmental Medicine and Developmental-Behavioral Pediatrics, before completing subspecialty training in Developmental-Behavioral Pediatrics at Stanford in 2020. During fellowship, she conducted clinical research focused on diffusion MRI tractography measures of brain white matter microstructure and language and cognitive outcomes in children born preterm, under the mentorship of Dr. Heidi Feldman.

Clinical Focus

• Developmental-Behavioral Pediatrics
• Neonatology
• Developmental Behavioral Pediatrics

Academic Appointments

• Instructor, Pediatrics
• Member, Maternal & Child Health Research Institute (MCHRI)

Honors and Awards

• Pediatric Research Loan Repayment Program Award, National Institutes of Health (2018-2020)
CURRENT RESEARCH AND SCHOLARLY INTERESTS
Dr. Dubner seeks to design interventions that promote healthy development in children at risk for developmental disorders, based on an understanding about how early-life biological and social experiences affect the developing brain.

Her research objectives are to 1) apply a mult-modal approach to understanding modifiable social and biological influences on early human development in at-risk children; 2) design and implement innovative, scalable, and effective interventions to promote child development. Her research strategies include integrating advanced neuroimaging with modern social network analysis and using qualitative and quantitative methods to understand parental social network knowledge and adapting existing evidence-based language health interventions for network-level intervention.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS
• Developmental-Behavioral Pediatrics (Fellowship Program)

Publications

PUBLICATIONS
• White matter properties underlying reading abilities differ in 8-year-old children born full term and preterm: A multi-modal approach. *NeuroImage*
  Brignoni-Perez, E., Dubner, S. E., Ben-Shachar, M., Berman, S., Mezer, A. A., Feldman, H. M., Travis, K. E.
  2022; 119240

• Impact of the COVID-19 pandemic on developmental care practices for infants born preterm. *Early human development*
  Scala, M., Marchman, V. A., Brignoni-Perez, E., Morales, M. C., Dubner, S. E., Travis, K. E.
  2021; 163: 105483

• Retrospective Cohort Study of Early Postnatal Hydrocortisone in Infants Born Extremely Preterm and 12 Month Outcomes
  Dubner, S. E., Scala, M., Feldman, H. M., Travis, K. E.
• Retrospective Cohort Study of Early Postnatal Hydrocortisone in Infants Born Extremely Preterm and 12 Month Outcomes  
  Dubner, S. E., Scala, M., Feldman, H. M., Travis, K. E.  
  LIPPINCOTT WILLIAMS & WILKINS. 2021: S22

• Trauma, Autism, and Neurodevelopmental Disorders: Integrating Research, Practice, and Policy (Book Review)  JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS  
  Book Review Authored by: Dubner, S. E., Youssef, J.  
  2020; 41 (3): 179

• Reading Abilities in Relation to Quantitative T1 MRI Metrics for Assessing Myelin Content in 8-Year Old Children Born Preterm  
  Travis, K., Dubner, S., Feldman, H.  
  LIPPINCOTT WILLIAMS & WILKINS. 2020: S16

• Neonatal white matter tract microstructure and 2-year language outcomes after preterm birth.  NeuroImage. Clinical  
  Dubner, S. E., Rose, J. n., Bruckert, L. n., Feldman, H. M., Travis, K. E.  
  2020; 28: 102446

• White matter microstructure and cognitive outcomes in relation to neonatal inflammation in 6-year-old children born preterm  NEUROIMAGE-CLINICAL  
  Dubner, S. E., Dodson, C. K., Marchman, V. A., Ben-Shachar, M., Feldman, H. M., Travis, K. E.  
  2019; 23

• Longitudinal Assessment of Bone Density and Structure in an Incident Cohort of Children With Crohn's Disease  GASTROENTEROLOGY  
  Dubner, S. E., Shults, J., Baldassano, R. N., Zemel, B. S., Thayu, M., Burnham, J. M., Herskovitz, R. M., Howard, K. M., Leonarda, M. B.  
  2009; 136 (1): 123-130

• Bone density, structure, and strength in juvenile idiopathic arthritis  ARTHRITIS AND RHEUMATISM  
  Burnham, J. M., Shults, J., Dubner, S. E., Sembhi, H., Zemel, B. S., Leonard, M. B.  
  2008; 58 (8): 2518-2527

• Assessment of spine bone mineral density in juvenile idiopathic arthritis: Impact of scan projection  JOURNAL OF CLINICAL DENSITOMETRY  
  Dubner, S. E., Shults, J., Leonard, M. B., Zemel, B. S., Sembhi, H., Burnham, J. M.  
  2008; 11 (2): 302-308