

# Stanford

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## Sarah E. Dubner

Fellow in Pediatrics - General Pediatrics

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Neonatal Intensive Care Unit**

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- **Neonatology**

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### Bio

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#### BIO

Dr. Sarah Dubner completed her undergraduate degree at Tufts University, where she majored in Physics. During medical school at the University of Pennsylvania, her interest in epidemiology and clinical research led her to study bone health in children with chronic disease. Following residency, Dr. Dubner practiced as a general pediatrician in the Stanford Divisions of Neonatal and Developmental Medicine and Developmental-Behavioral Pediatrics where she cared for preterm and other high-risk neonates and children in the neonatal intensive care units, developmental evaluation and follow up clinics, and neurodevelopmental foster care clinics. In 2017, she entered subspecialty training as a clinical fellow in Developmental-Behavioral Pediatrics. In fellowship, she conducts clinical research focused on diffusion MRI tractography measures of brain white matter microstructure and neurodevelopmental outcomes in children born preterm, under the mentorship of Dr. Heidi Feldman.

#### CLINICAL FOCUS

- Developmental-Behavioral Pediatrics
- Neonatology
- Fellow

#### HONORS AND AWARDS

- Pediatric Research Loan Repayment Program Award, National Institutes of Health (2018-2020)
- Tashia and John Morgridge Endowed Postdoctoral Fellow, Clinical Trainee Research Award, Stanford Maternal Child Health Research Institute (2018-2020)
- Young Investigator Travel Award, Pediatric Academic Societies (2019)
- Research Grant Award, Society for Developmental-Behavioral Pediatrics (2019-2021)

## PROFESSIONAL EDUCATION

- Residency, University of Washington, Seattle Children's Hospital , Pediatrics (2011)
- Medical Education, University of Pennsylvania, School of Medicine (2008)
- Undergraduate, Tufts University , Physics (2000)

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Dubner seeks to understand how early-life experiences impact children's developing brain connections in order to design interventions to promote healthy developmental trajectories. Prior to fellowship, she practiced as a general pediatrician caring for preterm and other high-risk neonates and children in the Stanford neonatal intensive care units, developmental evaluation and follow up clinics, and neurodevelopmental foster care clinics. As a fellow in Developmental-Behavioral Pediatrics, her current projects focus on the role of perinatal inflammation in brain white matter microstructure and neurodevelopmental outcomes in children born preterm.

## Publications

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### PUBLICATIONS

- **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: 101832
- **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., Leonard, 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