



Brian Sims MD, PhD

Assistant Professor of Pediatrics

EDUCATION

Institution	Degree	Year
University of Alabama School of Medicine	MD	2000
University of Alabama at Birmingham	PhD	1999
University of Alabama at Birmingham	BS	1991

POSTDOCTORAL TRAINING

Year	Degree	Institution
2001-2002	MD/PhD-Clinical Research Fellow	Washington University School of Medicine

AWARDS/HONORS

2007-2009	National Institute of Health Pediatric Loan Repayment Renewal-Pending
2005-2009	Harold Amos Medical Faculty Development Program Scholar The Robert Wood Johnson Foundation
2003-2004	American Academy of Pediatrics Neonatal Resuscitation Program Young Investigator's Award

MAJOR RESEARCH INTERESTS

I am interested in understanding the cellular mechanisms involved in premature brain injury. Ideally, by understanding these processes, strategies can be developed to protect the brain from injury.

PUBLICATIONS

Abstracts:

"Developmental Deficiency of the Cystine/Glutamate Antiporter System Xc- in the Immature Intestine May Augment Inflammatory Responses to Oxidative Stress"

Ashish R. Kurundkar, Brian Sims, Yolanda Hartman, Wei Zhang, Vinod K. Mishra, Rosa Serra, and Akhil Maheshwari¹

2009 Pediatric Academic Society/Society of Pediatric Research Annual Meeting

Manuscripts submitted but not yet accepted:

"Erythropoietin-induced neuroprotection requires cystine glutamate exchanger activity"
B. Sims, M Clarke Wilfred Njah and H Sontheimer. Journal of Neuroscience Research