Neurological Consequences of Sickle Cell Disease Conference
March 8-9, 2018

Presented by Aflac Cancer & Blood Center of Children’s Healthcare of Atlanta and Emory University School of Medicine

Thursday, March 8

7:30 a.m. Registration and continental breakfast

8:30 a.m. Welcome and introductions
Doug Graham, MD, PhD

8:45 a.m. Primary Stroke Prevention—20 years and counting
Robert Adams, MD

9:30 a.m. Food for thought
Fenella Kirkham

10:15 a.m. Modeling neurocognitive and neurobehavioral abnormalities in SCD using humanized sickle cell mice
Hyacinth Hyacinth, MD, PhD

10:35 a.m. Mechanisms of proteolytic remodeling in carotid and cerebral arteries due to sickle cell disease
Manu Platt

10:55 a.m. Break

11:25 a.m. Primary and secondary stroke prevention strategies for children with sickle cell anemia living in low-resource settings: the triumphs and challenges
Michael DeBaun, MD, MPH

12:10 p.m. Secondary stroke prevention in children with sickle cell anemia living in northern Nigeria
Shehu Abdullahi

12:30 p.m. Lunch (provided)

1:30 p.m. Adult neurocognitive outcomes
Elliott Vichinsky, MD

2:15 p.m. Cognition and education of students with sickle cell disease: opportunities for interventions
Allison King, MD, MPH

2:35 p.m. Developmental function in infants and toddlers with sickle cell anemia by HUG follow up neurocognitive outcomes
Robert Clark Brown, MD, PhD

2:55 p.m. Behavior and cognitive deficits in sickle cell disease: lessons from pre-clinical models
Zena Quezado, MD
3:15 p.m.  Break
3:45 p.m.  Neuroimaging signature of cognitive impairment in sickle cell disease  
Enrico Novelli, MD, MS
4:05 p.m.  Biomarkers for CNS injury in SCD: Is hemopexin a biomarker for SCI  
Jim Casella, MD
4:25 p.m.  Promoting resolution in stroke: The role of the anxA1-FPR2 pathway  
Felicity Gavins, PhD
4:45 p.m.  Adjourn
6:30 p.m.  Dinner

Friday, March 9

7:30 a.m.  Registration and continental breakfast
8:20 a.m.  Welcome and introductions
8:30 a.m.  Pain networks in sickle cell disease  
Kalpna Gupta, PhD
9:15 a.m.  What’s in a name? Taxonomies for sickle pain  
Carlton Dampier, MD
9:35 a.m.  Central mechanisms and pain outcomes in sickle cell disease  
Deepika Darbari, MD
9:55 a.m.  Quantifying pain, diaries  
Nitya Bakshi, MD
10:15 a.m.  Break
10:45 a.m.  Hydroxyurea for stroke prevention in sickle cell anemia  
Russell Ware, MD, PhD
11:30 a.m.  Modeling stroke in humanized sickle cell mice  
Alex Kuan, MD, PhD
11:50 a.m.  Impact of bone marrow transplantation for sickle cell disease on neurological outcomes  
Allistair Abraham, MD
12:10 p.m.  A multi-center learning collaborative for surgical revascularization in SCD-related moyamoya syndrome  
Lori Jordan, MD, PhD
12:30 p.m.  Adjourn to lunch (provided)

This agenda is subject to change.