

Conflict of Interest Report for the Authors of:

- *Endpoints for Sickle Cell Disease Clinical Trials: Patient-Reported Outcomes, Pain, and the Brain and Central Nervous System*

Name: Robert J. Adams, MD, MS			
Company	Relationship	Additional Information	End Date
Global Blood Therapeutics Consultancy	Consultancy		2018-2020

Name: Tabitha D. Barber			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Amanda M. Brandow, DO, MS			
Company	Relationship	Additional Information	End Date
ASH	Research Funding		06/30/2018
Greater Milwaukee Foundation	Research Funding	Research funding for clinical investigations	12/31/2020
Medical College of Wisconsin	Employment	Current place of employment	12/31/2024
National Institutes of Health – National Heart, Lung, and Blood Institute	Research Funding	Research funding for clinical investigation	08/30/2023

Name: C. Patrick Carroll, MD			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Deepika S. Darbari, MD			
Company	Relationship	Additional Information	End Date
Hilton Publishing	Advisory Board Member		Ongoing
Novartis	Steering Committee Member	Spartan Study	Ongoing
Global Blood Therapeutics	Advisory board	One-Day Advisory Board	03/25/2019

Name: Ankit A. Desai, MD			
Company	Relationship	Additional Information	End Date
National Institutes of Health / National Heart, Lung, and Blood Institute	Principle Investigator	Grant Number: 5 R01 HL136603-04	3/31/2022

Name: Michael R. DeBaun			
Company	Relationship	Additional Information	End Date
Global Blood Therapeutics		Recipient of externally sponsored research for which GBT will provide funding for the cost of the clinical study. GBT will not be a co-sponsor of the study. Dr. DeBaun has received an award letter, but not yet funded from GBT. He has not received financial compensation from being on Global Blood Therapeutics advisory board, but anticipates receiving such compensation in the next 3 months.	

Name: Manus J. Donahue, PhD			
Company	Relationship	Additional Information	End Date
Biosight Consulting	Employment/CEO	Provides healthcare consulting services	
Global Blood Therapeutics	Consultancy		
Philips Medical Systems	Research Funding		

Name: Ann Farrell, MD			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Kalpna Gupta, PhD			
Company	Relationship	Additional Information	End Date
Tautona Group	Consultancy	Expert advice on wound healing in SCD	01/01/2018
Tautona Group	Honoraria	Advisory group	01/01/2020
Novartis	Member Advisory Committee	Advisory Board on 06/29/2019	06/29/2018
Novartis	Honoraria	Clinical Theatre lecture, FSCDR, FL, 06/08/2019; NBNA, NOLA, 07/25/2019; NBNA, Waikiki, Hawaii, 07/30/2019; SCDA, Baltimore, MD, 10/10/2019	10/10/2019
1910 Genetics	Grantee	Research Funding and Drug	06/30/2019
Grifols	Grantee	Drug only	06/30/2019
SCDAA	Member Advisory Board		06/30/2020
CSL Behring LLC	Honoraria	lecture	09/19/2019
National Institutes of Health	Grantee, PI/MPI	Research Funding: UO1 117664; U18 EB029354; RO1 HL147562; 9RO1 HL135895	03/31/2023
University of Minnesota Foundation	Philanthropic Funding	Research on SCD pain	04/30/2019
Southern California Institute for Research and Education Foundation	Philanthropic Funding	Research on pain mechanisms	06/30/2020

Name: Jane S. Hankins, MD, MS			
Company	Relationship	Additional Information	End Date
bluebird bio	Consultancy		01/01/2019
bluebird bio	Honoraria		01/01/2017
Global Blood Therapeutics	Research Funding		
NCQA	Consultancy		
Novartis	Research Funding		

Name: Michelle Kameka			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Allison A. King, MD, MPH, PhD			
Company	Relationship	Additional Information	End Date
Amphivena Therapeutics	Research Funding	Husband has research funding	1/1/2022
Bioline	Consultancy	Husband consults with company.	
Celgene	Consultancy	Husband consults with company.	
Cell works	Consultancy	Husband consults with company.	
Global Blood Therapeutics	Lecturer		September 2019
Magenta Therapeutics	Membership on Board or Advisory Committee	Husband consults with company.	
RiverVest	Consultancy	Husband consults with company.	
Vasculox	Consultancy	Husband consults with company.	
WUGEN	Equity Ownership	Husband helped found it.	

Name: Fenella J. Kirkham, MD			
Company	Relationship	Additional Information	End Date
Action Medical Research	Research Funding	Research grant (£200,000) for trial of Montelukast in SCD	12/31/2020
Eisai	Honoraria	Conference funding for European Paediatric Neurology Society to present data on Eslicarbezepine trial	12/31/2017
Eisai	Speakers Bureau	Speaker on Eslicarbezepine, n anticonvulsant, in Finland and in London	12/31/2017
Great Ormond Street Children's Charity	Research Funding	Funding for research fellow undertaking MRI in SCD	12/31/2017
National Institute for Health Research, UK (NIHR)	Research Funding	Funding for trial of auto-adjusting CPAP in SCD	12/31/2017
Shire	Honoraria	Funding for conferences	12/31/2017
Shire	Speakers Bureau	Speaker on PERFECT study of buccal Midazolam for emergency termination of status epilepticus	12/31/2017
UCL GOSH Institute of Child Health	Employment	0.36 FTE old consultant contract since 1990	09/30/2028
University of Southampton	Employment	1 day a week on new consultant contract	09/30/2028

Name: Harvey Luksenburg, MD			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Shirley Miller, MA			
Company	Relationship	Additional Information	End Date
FDA Oncologic Drug Development Advisory	Membership on a Board or Advisory Committee	Served as a patient advocate.	
National Heart, Lung, and Blood Institute Sickle Cell Disease Advisory Committee	Consultancy		
OnecsdVoice	Consultancy	Serve as patient advocate and content contributor for website.	
Raremark	Writer		12/2020
Pfizer Council for Change	Consultancy	Provide advice to Pfizer about knowledge gaps and priorities focused on sickle cell disease, quality of life resources and multi-modal tools for sickle cell disease patients. This is in conjunction with One SCD voice engagement working group.	05/04/2019

Name: Patricia Ann Oneal, MD			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Julie Panepinto, MD, MSPH			
Company	Relationship	Additional Information	End Date
Hilton Publishing, Inc	Research Funding	This company, Hilton Publishing, Inc, received a grant from the National Institute of Minority Health and Health Disparities (NIMHD) for which I was a consultant and received payment from the National Institutes of Health grant for this role.	09/30/2016
HRSA	Research Funding	I am a co-investigator (site PI) receiving research funding from this government agency	09/30/2020
National Heart, Lung, and Blood Institute	Research Funding	Co-principal Investigator	08/31/2020
National Heart, Lung, and Blood Institute	Membership on a Board or Advisory Committee	NHLBI Sickle Cell Disease Advisory Board	
National Institute of Arthritis and Musculoskeletal and Skin Diseases	Research Funding	I have National Institutes of Health research funding from this institute	08/31/2019
National Institute of Neurological Disorders and Stroke	Research Funding	Co-principal Investigator	07/31/2022

Name: David C. Rees, MA, MBBS, FRCP			
Company	Relationship	Additional Information	End Date
Alnylam	Membership on a Board or Advisory Committee	Attendance at steering committees for clinical trial	
AstraZeneca	Membership on a Board or Advisory Committee	Data safety and monitoring board for clinical trial	01/01/2020
Novartis	Honoraria		
Novartis	Membership on a Board or Advisory Committee		
TauRx	Membership on a Board or Advisory Committee	Data safety and monitoring board for clinical trial	

Name: Rosanna Setse, MD, PhD, MPH			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Vivien A. Sheehan, MD, PhD			
Company	Relationship	Additional Information	End Date
Baylor College of Medicine	Employment		01/01/2036
PR Mechatronics	Research Funding	Research funding to assess correlations between the Lorrca with oxygenscan values and SCD complications	11/1/2019
Emmaus	Research Funding	Assessment of in vivo and in vitro rheological changes in SCD blood samples treated with Endari	12/2020
Global Blood Therapeutics	Research Funding	Assessment of rheological effects of Voxelator cessation	06/1/2020
Novartis	Research Funding	Characterization of SCD bonemarrow and CD34+ cells	12/1/2020

Name: John Strouse, MD, PhD			
Company	Relationship	Additional Information	End Date
Global Blood Therapeutics	Consultancy	I am on the planning committee and will be speaking at the GBT Access to Care Conference and also will be speaking at the GBT Sickle Cell Therapeutics Conference. GBT has a product currently being studied in a Phase III trial fo the treatment of sickle cell disease.	
HRSA	Consultancy	Expert witness for the National Vaccine Injury Compensation Program	08/30/2016
HRSA	Research Funding		08/30/2017

Name: Cheryl L. Stucky, PhD			
Company	Relationship	Additional Information	End Date
Nothing to disclose.			

Name: Ellen M. Werner, PhD, MA			
Company	Relationship	Additional Information	End Date
Federal Government/Dept Health Human Services/National Institutes of Health	Employment		

Name: John C. Wood, MD, PhD			
Company	Relationship	Additional Information	End Date
bluebird bio	Consultancy		
National Heart Lung and Blood Institute	Research Funding		
Novartis	Consultancy		
Philips Healthcare	Research Funding	In kind research support	
WorldCareClinical	Consultancy		

Name: William T. Zempsky MD, MPH			
Company	Relationship	Additional Information	End Date
Collegium Pharma	Membership on a Board or Advisory Committee		
DSMB	Membership on a Board or Advisory Committee		
Imara	Consultancy		
Oxford Press	Patents & Royalties	Not a conflict. Oxford Press is not an affected company.	
Purdue Pharma	Membership on a Board or Advisory Committee		
Vapogenix	Equity Ownership		
Vapogenix	Membership on a Board or Advisory Committee		