

James B. Herrick Symposium - Sickle Cell Disease Care and Research: Past, Present and Future
November 16-17, 2010
NIH campus
Bethesda, MD

Preliminary Agenda

Tuesday, November 16, 2010

Masur Auditorium, Building 10

10:00 a.m. Welcoming Remarks

Donald A. B. Lindberg, M.D., Director, National Library of Medicine
Susan B. Shurin, M.D., Acting Director, National Heart, Lung, and
Blood Institute

10:15 a.m. Session I: Sickle Cell Disease in Historical Perspective

10:15 a.m. James B. Herrick and his Contributions

Alan N. Schechter, M.D., National Institute of Diabetes and Digestive
and Kidney Diseases

10:30 a.m. Panel Discussion: Historical and Cultural Perspectives

Moderator: John Ruffin, Ph.D., Director
National Center on Minority Health and Health Disparities

This panel discussion would be preceded by brief comments by each participant and the moderated conversation will cover James B. Herrick and his contributions as well as social and cultural perspectives on the history of sickle cell disease and its relationship to modern science and medicine.

**Sickle Cell Anemia and the Vexed Crossroads of Race and
Disease in America**

Stephen Pemberton, Ph.D., New Jersey Institute of Technology

**Sickle Cell Patients Are _____? How the Science of Treatment
Has Shaped What Medical Professionals Think About Their
Patients**

Carolyn Rouse, Ph.D., Princeton University

**Cultural Histories of Mild Sickle Cell Anemia in Senegal,
West Africa**

Duana Fullwiley, Ph.D., Harvard University

12:00 p.m. Questions and Answers

12:15 p.m. Lunch (on your own)

**1:15 p.m. Experiences of People With Sickle Cell Disease Seeking Health
Care for Pain**

Mary Catherine Beach, M.D., M.P.H., Johns Hopkins University

1:30 p.m. Panel Discussion: Personal Perspectives

*Moderator: Lanetta B. Jordan, M.D., M.P.H., M.S.P.H., Chief Medical
Officer, Sickle Cell Disease Association of America, Inc.,
and Memorial Healthcare System, Hollywood, FL*

**Screening Student Athletes for Sickle Cell Trait: Where Do We Go
From Here?**

Vence L. Bonham, Jr., J.D.

Living Life Like It's Golden

J. Hoxi Jones, Texas Health and Human Services Commission

TBD

Robert F. Murray, Jr., M.D., Howard University School of Medicine

Reflections

Wanda Whitten-Shurney, M.D., Wayne State University/Children's
Hospital of Michigan

2:15 p.m. Session II: International Perspectives

*Moderator: Roger I. Glass, M.D., Ph.D., Director
John E. Fogarty International Center for Advanced Study
in Health Disparities*

**2:20 p.m. Sickle Cell Disease: The Contribution From Africa in the Next 100
Years**

Julie Makani, M.D., MRCP, Muhimbili University of Health and Allied
Sciences (Tanzania)

2:35 p.m. Sickle Cell Disease in Africa: History and Disease Burden

Kwaku Ohene-Frempong, M.D., University of Pennsylvania School of
Medicine/Children's Hospital of Philadelphia

2:50 p.m. The Caribbean Contribution to Sickle Cell Disease

Graham R. Serjeant, M.D., FRCP, Sickle Cell Trust (Jamaica)

3:05 p.m. Sickle Cell Disease in the United Kingdom: Epidemiology, Clinical Aspects and Morbid Anatomy

Sebastian Lucas, M.D., FRCP, FRCPath, King's College London School of Medicine (United Kingdom)

3:20 p.m. Questions and Answers

3:50 p.m. Adjourn

4:00 - 5:30 p.m. Tours of the National Library of Medicine Exhibits and Rare Book Collection (**Building 38**)

6:30 p.m. Dinner: Tragara Ristorante, Bethesda. People wishing to attend the dinner must register and pay by Monday, November 1.

Sickle Cell Disease: An Historic Perspective

H. Franklin Bunn, M.D., Brigham and Women's Hospital/Harvard Medical School

Kenote Speech:

Sickle Cell Anemia and the Origins of Molecular Medicine

Sir David Weatherall, M.D., FRCP, FRS, University of Oxford (United Kingdom)

Wednesday, November 17, 2010

Natcher Conference Center, Building 45

- 8:00 a.m.** **Welcoming Remarks**
Susan B. Shurin, M.D., Acting Director, National Heart, Lung, and
Blood Institute
Sonja L. Banks, President and Chief Operating Officer, Sickle Cell
Disease Association of America, Inc.
- 8:20 a.m.** **The NHLBI Sickle Cell Guidelines: A First Look**
Barbara Yawn, M.D., M.Sc., University of Minnesota
George Buchanan, M.D., University of Texas Southwestern Medical
Center at Dallas
- 8:30 a.m.** **Sickle Cell Anemia: Past, Present, and Future**
David G. Nathan, M.D., Dana-Farber Cancer Institute
- 8:45 a.m.** **Accelerating the Therapeutic Agenda for the First Molecular
Disease**
Francis S. Collins, M.D., Ph.D., Director, National Institutes of Health
- 9:10 a.m.** **Session III: Sickle Cell Disease Pathophysiology**
Moderator: Eric D. Green, M.D., Ph.D., Director
National Human Genome Research Institute
- 9:15 a.m.** **Sickle Cell Anemia: 100 Years later**
Griffin P. Rodgers, M.D., M.A.C.P., National Institute of
Diabetes and Digestive and Kidney Diseases
- 9:35 a.m.** **Evolving Concepts of Brain Vasculopathy and Stroke in Sickle Cell
Disease**
Robert J. Adams, M.D., Medical University of South Carolina
- 9:55 a.m.** **Genetic Contributions to Pain**
Clifford Woolf, MB, B.Ch., Ph.D., Children's Hospital
Boston/Massachusetts General Hospital
- 10:15 a.m.** **Lung Disease and Sickle Cell Disease**
Elliott Vichinsky, M.D., Children's Hospital & Research Center
Oakland
- 10:35 a.m.** **Genetic Modifying Factors in Sickle Cell Disease**
Swee Lay Thein, F.R.C.Path., F.R.C.P., D.Sc., F.Med.Sci., King's
College London (United Kingdom)
- 10:55 a.m.** Break

- 11:15 a.m.** **Session IV: Clinical and Social Impact Across the Lifespan**
Moderator: Alan Guttmacher, M.D., Director
*Eunice Kennedy Shriver National Institute of Child Health
and Human Development*
- 11:20 a.m.** **Sickle Cell Disease: Maternal/Fetal/Neonatal Prospective**
John C. Morrison, M.D., University of Mississippi Medical Center
- 11:40 a.m.** **The Triumphs and Challenges of the Study of Sickle Cell Disease
in Infants, Children and Adolescents**
Michael R. DeBaun, M.D., M.P.H., Washington University in St. Louis
- 12:00 p.m.** **Improving the Lives of Adults With Sickle Cell Disease**
Sophie Lanzkron, M.D., Johns Hopkins School of Medicine
- 12:20 p.m.** **Are You Listening to Me? Challenges in Sickle Cell Patient-
Provider Communication**
Carlton Haywood, Jr., Ph.D., M.A., Johns Hopkins University School of
Medicine
- 12:40 p.m.** Lunch (on your own)
- 1:20 p.m.** ***Voices of Patients* Video**
Introduction: Wally R. Smith, M.D., Virginia Commonwealth University
- 1:35 p.m.** **Session V: Sickle Cell Disease Treatment**
Moderator: Walter J. Koroshetz, M.D., Deputy Director
National Institute of Neurological Disorders and Stroke
- 1:40 p.m.** **Hematopoietic Stem Cell Transplantation for the Treatment of
Adults With Sickle Cell Disease**
John F. Tisdale, M.D., National Heart, Lung, and Blood Institute
- 2:00 p.m.** **Hydroxyurea for Sickle Cell Disease: Fact, Fiction, and Fantasy**
Russell E. Ware, M.D., Ph.D., St. Jude Children's Research Hospital
- 2:20 p.m.** **From Mechanisms of Sickle Pathophysiology to Novel Therapies**
Punam Malik, M.D., Cincinnati Children's Hospital Medical Center
- 2:40 p.m.** Break
- 2:55 p.m.** **Session VI: Molecular Studies**
Moderator: Griffin P. Rodgers, M.D., Director
*National Institute of Diabetes and Digestive and
Kidney Diseases*
- 3:00 p.m.** **Transcription Factor Networks and Long Range Interactions**
Frank Grosveld, Ph.D., Erasmus MC
(The Netherlands)

- 3:20 p.m.** **Control of Hemoglobin Switching and HbF Silencing**
Stuart H. Orkin, M.D., Harvard Medical School/Dana-Farber Cancer
Institute
- 3:40 p.m.** **Inflammation and the Genetically Influenced Systems Biology of
Sickle Disease**
Robert P. Hebbel, M.D., University of Minnesota
- 4:00 p.m.** **Session VII: Future Prospects**
Moderator: Stephen C. Graft, Pharm.D., Director
Office of Rare Diseases Research
- 4:05 p.m.** **Genome Sequencing**
TBD
- 4:25 p.m.** **Gene Transfer to Increase Fetal Hemoglobin Production**
Arthur W. Nienhuis, M.D., St. Jude Children's Research
Hospital
- 4:45 p.m.** **Induced Pluripotent Stem (iPS) Cells and Gene
Replacement Therapy for Sickle Cell Disease**
Tim M. Townes, Ph.D., University of Alabama at
Birmingham
- 5:05 p.m.** **Concluding Remarks**
Susan B. Shurin, M.D., National Heart, Lung, and
Blood Institute
- 5:10 p.m.** Adjournment

Last updated 10/12/10