Dr. Linus Pauling to discuss sickle cell anemia at symposium in dedication of Third College Chemistry Research Building

February 23, 1978

Two-time Nobel laureate Dr. Linus Pauling will head a group of 13 researchers who will discuss sickle cell anemia at a two-day symposium March 3-4 to mark the dedication of the Third College Chemistry Research Building at the University of California, San Diego.

The first day of the symposium will be held in the Mandeville Center Recital Hall beginning at 9 a.m. and will be devoted to "Chemical and Clinical Studies on Sickle Cell Disease."

The second session will be held in room 107 of the Third College Lecture Hall on Saturday, March 4, with the topic "Hemes and Hemoglobin Experimental and Theoretical Studies."

Dr. Pauling will begin Saturday's symposium at 9 a.m. with a talk entitled "Early History of Hemoglobin Structure."

The symposium is under the sponsorship of the Third College and the UC San Diego Department of Chemistry and will bring together experts in the field of sickle cell anemia research from around the country including representatives from the National Institutes of Health, Stanford University, Johns Hopkins, California Institute of Technology, the University of Southern California, the Albert Einstein College of Medicine, the University of California, Davis and Colorado State University.

Admission is free and the public is invited.

The Chemistry Research Building is a two-and-a-half story laboratory and office building used exclusively for research. There are no classrooms. The building was opened in January 1977, at a cost of $2.9 million.

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A Symposium on Sickle Cell Anemia In Dedication Of The Chemistry Research Building, Third College University of California, San Diego March 3-4, 1978

Friday, March 3, Mandeville Center Recital Hall "Chemical and Clinical Studies on Sickle Cell Disease"

9:00 a.m. Dr. Joseph W. Watson Provost, Third College Introduction 9:15 a.m. Dr. Warner E. Love The Johns Hopkins University "Intermolecular Interactions in Crystals of Deoxy Hemoglobins A, S, C, and F" 10:00 a.m. Coffee 10:15 a.m. Dr. Philip Ross National Institutes of Health "Studies of the Effects of Added Molecules on the Solubility of Hemoglobin S" 11:00 a.m. Dr. Ronald L. Nagel Albert Einstein College of Medicine "Some Aspects of the Polymerization of Hemoglobin S" 11:45 a.m. Lunch 1:30 p.m. Dr. Samuel Charache The Johns Hopkins University School of Medicine "Blood Flow in Sickle Cell Anemia" 2:15 p.m. Dr. Darlene Powars University of Southern California School of Medicine "Demographic Features of Morbidity in Sickle Cell Disease: Infectious

Diseases, Strokes, Fetal Hemoglobin Relationships" 3:00 p.m. Coffee 3:15 p.m. Dr. Cage S. Johnson University of Southern California Clinical Laboratories "Demographic Features of Morbidity in Sickle Cell Disease: Mortality, Pregnancy, and Adult Medical Problems" 4:00 p.m. Panel Discussion - Dr. Helen Ranney UC San Diego School of Medicine

Saturday, March 4, room 107, Third College Lecture Hall "Hemes and Hemoglobin Experimental and Theoretical Studies"

9:00 a.m. Dr. Linus Pauling Linus Pauling Institute of Science and Medicine "Early History of Hemoglobin Structure" 10:00 a.m. Coffee 10:15 a.m. Dr. Winslow S. Caughey Colorado State University "Effect of Globin Structure on 02 and CO Binding and Oxidation in Abnormal Hemoglobins" 11:00 a.m. Dr. Quentin H. Gibson Cornell University "Effects of Temperature and pH on Hemoglobin T-State Behavior" 11:45 a.m. Lunch 1:30 p.m. Dr. Gilda H. Loew Stanford University Medical Center "Electronic Structure and Properties of Normal Deoxy and Oxy Heme Units" 2:15 p.m. Dr. William A. Goddard, III California Institute of Technology "Theoretical Studies of Binding of 02 to Heme Proteins: Implications for Cooperative Binding" 3:00 p.m. Coffee 3:15 p.m. Dr. David Case University of California, Davis "Pathways in Oxygenation of Hemoproteins" 4:00 p.m. Dr. Arieh Warshel University of Southern California "Energy Structure Correlation in Metalloporphyrins and the Control of Ligand Binding in Hemoglobin" 4:45 p.m. Discussion