

11th annual lectureship in Chemistry

April 19, 1984

Nobel laureate Dr. Arthur Kornberg, The Emma Pfeiffer Merner Professor of Biochemistry at the Stanford University School of Medicine and a leader in the field of DNA research, will deliver the eleventh annual Lectureship in Chemistry at the University of California, San Diego April 30 through May 3.

The lectureship is co-sponsored by the Behring Diagnostics (formerly Calbiochem-Behring Corporation) and UCSD.

Kornberg will deliver a three-part public lecture during his visit to the UCSD campus. Each lecture will begin at 4 p.m. and will be held in Garren Auditorium in the Basic Science Building at the School of Medicine. The dates and titles for the lectures are:

Monday, April 30 - "Chain Elongation by DNA Polymerases"

Wednesday, May 2 - "Chain Initiations by Primases and Primosomes"

Thursday, May 3 - "Initiation of a Cycle of Chromosome Replication"

Kornberg was co-winner with Dr. Severo Ochoa of New York University of the Nobel Prize in Medicine in 1959. He was also the winner of the National Medal of Science in 1979.

Kornberg joined the Stanford University School of Medicine faculty as professor and chairman of the Department of Biochemistry in 1959 after serving for six years as professor and head of the Department of Microbiology at the Washington University School of Medicine in St. Louis. He received a B.S. degree from City College of New York and an M.D. degree from the University of Rochester where he received clinical training in internal medicine.

From 1942 to 1945 he served as a medical officer with the United States Public Health Service doing research on rat nutrition. He later studied enzymology with Ochoa in New York and with Carl and Gerty Cori in St. Louis. In 1947 he organized an enzyme section at the National Institutes of Health where he carried out studies on coenzyme biosynthesis. In 1953, Kornberg moved to Washington University in St. Louis where he worked out pathways of nucleotide biosynthesis and initiated his studies on nucleic acid biosynthesis and replication.

His current research focuses on the multi-enzyme pathways of DNA replication with a view toward understanding the mechanics and control of DNA replication and metabolism. He has been a strong advocate, in articles and public appearances, of basic research.

Kornberg was awarded the Paul-Lewis Award in Enzyme Chemistry in 1951. He is a member of the National Academy of Sciences and the American Philosophical Society and a foreign member of the Royal Society. He serves on the board of governors of the Weizmann Institute, as scientific adviser to the DNAX Research Institute of Molecular and Cellular Biology and on the advisory committee to the director of the National Institutes of Health.

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