



A Joint Program of Rice University, Baylor College of Medicine,
University of Houston, University of Texas—Health Science Center
Houston, University of Texas—M. D. Anderson Cancer Center and
University of Texas—Medical Branch at Galveston

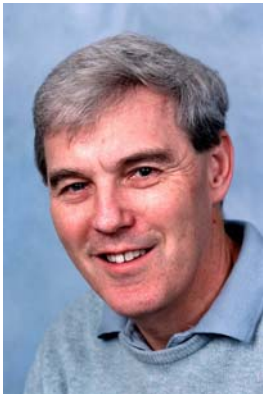
Distinguished Lecture Series

MONDAY, DECEMBER 8, 2003 4:00 PM

Location: Baylor College of Medicine, Cullen Auditorium

The Gulf Coast Consortia and the British Consulate General Co-Sponsor a Lecture
In Celebration of the 50th Anniversary of the Discovery of the Double Helix Structure of DNA:

**DR. RICHARD HENDERSON, FRS
DIRECTOR, MRC LABORATORY OF MOLECULAR BIOLOGY
CAMBRIDGE, UK**



***“50 YEARS OF MOLECULAR BIOLOGY:
TRANSLATING BRIGHT IDEAS INTO
IMPROVED HEALTH AND WEALTH”***

Abstract: Fifty years ago, Crick and Watson, helped by their knowledge of the X-ray patterns of Franklin and Wilkins, proposed their now famous double-helical model for the structure of DNA. At the same time, Sanger was establishing the complete chemical structure of insulin and a few years later, Perutz, Kendrew and their colleagues determined the first three-dimensional protein structures, of haemoglobin and myoglobin, by X-ray crystallography. These thrilling discoveries based on decisive technical advances heralded the rapid development of what we now know as Molecular Biology.

Early concerns that molecular biology was doing nothing for mankind have now been replaced by the realization that it has greatly helped understanding or treatment of genetic diseases, infectious diseases, the immune response and cancer, and is the key to future progress.

This lecture will trace some of the major discoveries and inventions made at the MRC Laboratory of Molecular Biology during the last 50 years, with a special emphasis on the role played by the very many visitors and collaborators from the United States.

Date: **Monday, December 8, 2003**
Time: **4:00 – 5:15 PM**
Place: **Baylor College of Medicine - Cullen Auditorium**
Contact Information: **Lisa Blinn 713-348-4752 www.gulfcoastconsortia.org**

This is a free public lecture that is open to all members of the Houston community. Please bring valid identification or institutional badge.