



JOHANN DEISENHOFER
curriculum vitae

Address: Howard Hughes Medical Institute
and Department of Biochemistry
The University of Texas Southwestern Medical Center
6001 Forest Park Road, ND10.502
Dallas, Texas 75390-9050, U.S.A.

Phone: (214) 645 5941
Fax: (214) 645 5939
E-mail: johann.deisenhofer@UTSouthwestern.edu

Date of birth: September 30, 1943

Place of birth: Zusamaltheim, Bavaria, Germany

Citizenship: U.S.A. and Federal Republic of Germany

Marital status: married to Kirsten Fischer Lindahl, Ph.D.

Education: Diplom (equiv. to masters degree) in Physics, 1971,
Technical University Munich

Dr. rer. nat. (equiv. to Ph. D.) in Experimental Physics, 1974,
Technical University Munich

Habilitation in Experimental Physics, 1987,
Technical University Munich

Major research interests:
protein crystallography
structure and function of biological macromolecules
computational biology

Research and professional experience:

1. 1970-1971: Diplom student, Department of Physics, Technical University Munich.
thesis: Detection of terahertz-phonons in ruby at 4 K.
thesis advisor: Klaus Dransfeld
2. 1971-1974: Ph.D. student, Max-Planck-Institute for Biochemistry,
thesis: Structure refinement of the Basic Pancreatic Trypsin Inhibitor (BPTI) at 1.5 Å resolution.
thesis advisor: Robert Huber
3. 1974 -1976: Research Associate
1976-1988: Staff Scientist
Max-Planck-Institute for Biochemistry.
4. 1988 - present:
Investigator, Howard Hughes Medical Institute

Regental Professor and Professor in Biochemistry,
University of Texas Southwestern Medical Center at Dallas

1989 - present:
Virginia and Edward Linthicum Distinguished Chair in Biomolecular Science
University of Texas Southwestern Medical Center at Dallas

Current Memberships:

Academia Europaea
American Association for the Advancement of Science (Fellow)
German Academy of Natural Scientists Leopoldina
National Academy of Sciences of the United States of America
Texas Academy of Science, Engineering, and Medicine

Federation of American Scientists (Sponsor)
World Innovation Foundation (Honorary Member)

American Crystallographic Association
American Society for Biochemistry and Molecular Biology
Biophysical Society
German Biophysical Society
German Society for Biochemistry and Molecular Biology
Protein Society
Sigma Xi

Awards:

1986 Biological Physics Prize of the American Physical Society
(shared with H. Michel)

Otto-Bayer-Preis 1988 (shared with H. Michel)

1988 Nobel Prize in Chemistry (shared with R. Huber and H. Michel)

Honors:

The Knight Commander's Cross (Batch and Star) of the Order of Merit of the
Federal Republic of Germany (1990)

Bavarian Order of Merit (1992)

D. Sc. h.c., Drury College, Springfield, Missouri (1993)

Kentucky Colonel (1995)

D. Sc. h.c., Burdwan University, West Bengal, India (1996)

Röntgen-Plaquette 2004 (City of Remscheid, Germany, birthplace of Wilhelm
Conrad Röntgen)

Johann Deisenhofer is Regental Professor and Professor in Biochemistry, and holds the Virginia and Edward Linticum Distinguished Chair in Biomolecular Science at the University of Texas Southwestern Medical Center at Dallas; he is also Investigator in the Howard Hughes Medical Institute. Deisenhofer is a Member of the National Academy of Sciences of the USA, the Academia Europaea, the German Academy of Natural Scientists Leopoldina, and the Texas Academy of Science, Engineering, and Medicine.

Johann Deisenhofer was born in Germany in 1943. He studied physics at the Technical University Munich, and in 1974 received a doctoral degree in experimental physics. He worked in structural biology at the Max-Planck-Institute for Biochemistry in Martinsried, a small town near Munich, until he moved to Dallas in 1988. In the early 1980s he and his colleagues at the Max-Planck-Institute determined the three-dimensional structure of a photosynthetic reaction center, a complex of four proteins and fourteen co-factors that resides in a bacterial cell membrane. The structure of the reaction center helped explain the detailed mechanism of the conversion of light energy into chemical energy in photosynthesis, a biological process upon which almost all life on our planet depends. For this work he shared the 1986 Biological Physics Prize of the American Physical Society, and the 1988 Otto-Bayer-Prize with Hartmut Michel, and the 1988 Nobel Prize in Chemistry with Hartmut Michel and Robert Huber. In 2001 he became a citizen of the USA.

Prof. **Johann Deisenhofer** 1943 年生於德國，1974 年獲馬克思蒲朗克生化研究所博士學位，現年 65 歲。1988 年接受美國德州大學達拉斯分校與休斯醫學研究所聘請，前去協助設立一個 X 光結晶學研究中心。1988 年諾貝爾化學獎得主。