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Place of Birth: New Haven, Connecticut

EDUCATION

1963 A.B. (Chemistry and Physics) Harvard College
1967 Ph.D. in Biophysics, Harvard University

Postdoctoral Training:

1967-68 Helen Hay Whitney Postdoctoral Research Fellow, Children's Cancer Research Foundation, Boston, Massachusetts; Research Fellow in Biophysics, Harvard University

Academic Appointments:

1965-68 Resident Tutor and Tutor in Biology, Lowell House, Harvard University
1968-71 Junior Fellow in the Society of Fellows, Harvard University
1969-71 Research Associate in Pathology, Children's Cancer Research Foundation, Boston, Massachusetts
1971-72 Visiting Research Associate in Biophysics, Max-Planck Institute; Visiting Professor, Faculty of Biology, University of Heidelberg
1971-75 Assistant Professor of Biochemistry, Harvard University
1971-96 Chairman, Board of Tutors in Biochemical Sciences Harvard University
1971- Non-resident Tutor, Lowell House, Harvard University
1975-77 Associate Professor of Biochemistry, Harvard University
1977 Visiting Fellow Commoner, Trinity College, Cambridge; Visiting Scientist, MRC Laboratory of Molecular Biology, Cambridge, UK
1977-1998 Professor of Biochemistry and Molecular Biology, Harvard University
1987- Investigator, Howard Hughes Medical Institute at Harvard University
1988-1992 Chairman, Dept. of Biochemistry & Molecular Biology, Harvard University
1996- Professor of Biological Chemistry and Molecular Pharmacology and Professor of Pediatrics, Harvard Medical School, Boston
1996-2002 Director, Center for Structural Biology, Harvard Medical School
1996 - Head, Laboratory of Molecular Medicine, Children's Hospital, Boston
1998-2002 Higgins Professor of Biochemistry, Harvard University
2000-2001 Acting Head Tutor in Biochemical Sciences
2009 – 2012 Acting Chairman, Dept. of Biological Chemistry & Molecular Pharmacology, Harvard Medical School
2002- Director, Center for Molecular and Cellular Dynamics, Harvard Medical School
2007- Giovanni Armenise-Harvard Professor in Basic Biomedical Sciences

Scientific Advisory Boards

1993 - 2001 Trustee, Center for Blood Research, Harvard Medical School
1994 - 2007 Vertex Pharmaceuticals, Inc.
2000 - Helen Hay Whitney Foundation: Vice President (through 2023) and Chair of Scientific Advisory Board

Major Administrative Responsibilities:

Director, HMS Center for Molecular and Cellular Dynamics
Faculty Director, Harvard cryo-Electron Microscopy Center for Structural Biology
Chair, NE-CAT Executive Committee

Major Committee Assignments:

Committee on Higher Degrees in Biophysics, Harvard University
BCMP Executive Committee, Harvard Medical School

Professional Societies

American Association for the Advancement of Science
American Crystallographic Association
American Society for Microbiology
American Society for Virology

Editorial Boards:

1993 - 2015 Editorial Board, Structure
2001 - 2005 Editorial Board, Cell

Awards and Honors

1982 Ledlie Prize, Harvard University
1988 Wallace P. Rowe Award, NIAID
1989 Fellow, American Academy of Arts and Sciences
1990 Harvey Lecturer, The Harvey Society, New York
1990 Louisa Gross Horwitz Prize, Columbia University
1991 Member, National Academy of Sciences
1997 Member, American Philosophical Society
1998 ICN International Prize in Virology
2001 Associate Member, European Molecular Biology Organization
2001 Paul Ehrlich and Ludwig Darmstaedter Prize
2005 Bristol Myers Squibb Distinguished Achievement Award in Infectious Disease Research
2005 Fellow, American Association for the Advancement of Science
2006 Royal Swedish Academy of Sciences, Gregori Aminoff Prize in Crystallography
2007 UCSD/Merck Life Sciences Achievement Award
2011 William Silen Lifetime Achievement in Mentoring Award (Harvard Medical School)
2012 Pauling Lectureship, Stanford University
2014 Foreign Member, The Royal Society
2015 The Welch Award in Chemistry
2015 Honorary Doctorate in Medicine, University of Milan
2019 Lewis S. Rosenstiel Award for Distinguished Work in Basic Medical Research

Publications

S. C. Harrison and E. R. Blout. "Reversible Conformational Changes of Myoglobin and Apomyoglobin." J. Biol. Chem. 240, 299 (1965).

J. M. Diamond and S. C. Harrison. "The Effect of Membrane Fixed Charges on Diffusion Potentials and Streaming Potentials." J. Physiol. 183, 37 (1966).

S. C. Harrison. "The Structure of Tomato Bushy Stunt Virus." Ph.D. Thesis, Harvard University, 1967.

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