

John J. Hopfield

Education

- 1958 Ph.D. Cornell University
- 1954 A.B. Swarthmore College

Experience

- 2001- Howard A. Prior Professor in the Life Sciences, Professor of Molecular Biology, Associated Faculty in PNI, Emeritus
- 2010-2013 Visiting associate, Institute for Advanced Study
- 1997-2001 Professor of Molecular Biology, Princeton University
- 1986-1991 Chair, Computation and Neural Systems Program, Caltech
- 1993-1995 Chair of the Faculty, California Institute of Technology
- 1980-1996 Professor of Chemistry and Biology, California Institute of Technology
- 1976 Visiting Professor, Bohr Institute, Copenhagen
- 1973-1989 Member of Technical Staff, Bell Laboratories
- 1969 Visiting Fellow, Cavendish Laboratory, Cambridge UK
- 1964-1980 Professor of Physics, Princeton University
- 1961-1964 Assistant/Associate Professor of Physics, University of California, Berkeley
- 1960-1961 Research Physicist, Ecole Normale Superieure, Paris
- 1958-1960 Member of Technical Staff, Bell Laboratories

Honors

- 2024 Nobel Prize in Physics, Royal Swedish Academy of Sciences
- 2023 IUPAP Medal for the Physics of Life
- 2022 Boltzmann Medal in Statistical Physics, International Union of Pure and Applied Physics
- 2019 Benjamin Franklin Medal in Physics, Franklin Institute
- 2012 Swartz Prize, Society for Neuroscience
- 2009 IEEE Rosenblatt Award
- 2005 Albert Einstein Award, World Cultural Council
- 2002 Pender Award, Moore School of Engineering, University of Pennsylvania
- 2001 Dirac Medal and Prize, International Center for Theoretical Physics, Trieste
- 1999 International Neural Network Society Helmholtz Award

1997	Neural Network Pioneer Award, IEEE
1991	California Scientist of the Year, California Museum of Science & Industry
1989	The Wright Prize, Harvey Mudd College
1988	Michelson-Morley Award, Case-Western University
1985	Am. Phys. Soc. Prize in Biophysics
1983-1988	John and Catherine T. MacArthur Award
1969	Buckley Prize, Am. Phys. Soc.
1969	Guggenheim Fellow
1962-1964	Alfred P. Sloan Fellow
2009	Hon. D.Sci University of Chicago
1992	Hon. D.Sci Swarthmore College
2017	Honorary Alumnus, Caltech
2002-2008	Howard A. Prior Professor of Molecular Biology, Princeton
1980-1996	Roscoe G. Dickinson Professor of Chemistry and Biology, Caltech
1979-1980	Eugene Higgins Professor of Physics, Princeton
1988-	Member, American Philosophical Society
1976-	Member, American Academy of Arts and Sciences
1973-	Member, National Academy of Sciences

Miscellaneous outside activities

2006	President, American Physical Society
2005	Vice President, American Physical Society
1982-2006	Trustee, Battelle Memorial Institute
2002-2003	NAS committee on Education for the Research Biologist of 20010
1977-1979	Solar Photovoltaic Panel, American Physical Society
1971-1973	Strategic Military Panel, President's Science Advisory Committee
1965-1966	"Tycho" Lunar Surface Study Group