



Curriculum Vitae Professor Dr. Winslow R. Briggs

Name: Winslow R. Briggs
Born: 29 April 1928



Academic and Professional Career

- since 1993 Director Emeritus, Department of Plant Biology, Carnegie Institution of Washington, USA
- since 1993 Professor Emeritus, Department of Biological Sciences, Stanford University, USA
- 1973 - 1993 Director, Department of Plant Biology, Carnegie Institution of Washington, USA
- 1973 - 1993 Professor, Department of Biological Sciences, Stanford University, USA
- 1967 - 1973 Professor, Department of Biology, Harvard University, USA
- 1966 - 1967 Professor, Department of Biological Sciences, Stanford University, USA
- 1962 - 1966 Associate Professor, Department of Biological Sciences, Stanford University, USA
- 1957 - 1962 Assistant Professor, Department of Biological Sciences, Stanford University, USA
- 1955 - 1957 Instructor, Department of Biological Sciences, Stanford University, USA
- 1955 Habilitation
- 1952 Ph.D. in Biology
- 1946 - 1951 Biology Studies

Functions in Scientific Societies and Committees

- since 2006 Guest Editor, *Molecular Plant* (a new international journal from China)
- since 2004 Associate Editor, *Annual Review of Plant Biology*
- 2000 Chairman, Gordon Conference Special meeting on Photoreceptors in Plants, Animals, and Microorganisms
- 1972 - 1993 Editor, *Annual Review of Plant Physiology*
- 1993 Chairman, Gordon Conference on Plant Molecular Biology
- 1982 Chairman, Gordon Conference on Sensory Transduction in Microorganisms
- 1981 President, American Institute of Biological Sciences
- 1980 - 1983 Chairman, Botany Section, National Academy of Sciences
- 1977 - 1978 President, California Botanical Society
- 1975 - 1976 President, American Society of Plant Physiologists

Honours and Awarded Memberships

- 2009 Awarded International Prize for Biology, Japan Society for the Promotion of Science
- 2007 Awarded Gude Prize, American Society of Plant Biologists
- 2002 Awarded doctoral degree *honoris causa* by the University of Freiburg, Germany
- 2000 Awarded Finsen Medal, Association Internationale de Photobiologie
- 1995 Awarded the Sterling Hendricks Medal, United States Department of Agriculture and American Chemical Society
- 1994 Awarded Stephen Hales Prize, American Society of Plant Physiologists
- 1984 - 1985 Alexander von Humboldt U.S. Senior Scientist Award
- 1974 Elected to National Academy of Sciences, USA
- 1973 - 1974 John Simon Guggenheim Fellow

Major Scientific Interests

My scientific interests have focused for the past four decades on the physiology, biochemistry, and molecular biology of plant and bacterial photoreceptors, especially the phytochromes and the phototropins. We discovered and pioneered in the biochemical and molecular characterization of the phototropins, characterizing both their various physiological functions and their biophysical and biochemical characteristics. Recently we have been especially interested in subcellular changes in both in the cytoskeleton and in membrane

trafficking that occur as a consequence of photoreceptor photoexcitation. We pioneered in investigating the role of photoreceptors in the virulence of certain pathogens.