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## Curriculum Vitae Professor Dr. Winslow R. Briggs



**Name:** Winslow R. Briggs

**Born:** 29 April 1928

**Deceased:** 11 February 2019

### 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 <i>honoris causa</i> 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.