



---

## Curriculum Vitae Professor Dr. Wolf Singer



**Name:** Wolf Singer  
**Born:** 9. March 1943

### Academic and Professional Career

- 2011 Director emeritus at the Max-Planck Institute for Brain Research  
Senior Fellow of the Ernst Strüngmann Institute (ESI) for Neuroscience in Cooperation with Max Planck Society, Germany
- 2008 Founding Director of the Ernst Strüngmann Institute (ESI) for Neuroscience in Cooperation with Max Planck Society, Germany
- 2006 Founding Director of the Ernst Strüngmann Forum, Germany
- 2004 Founding Director of the Frankfurt Institute for Advanced Studies (FIAS) , Germany
- 1981 - 2011 Director at the Max Planck Institute for Brain Research, Germany
- 1975 Habilitation for Physiology at the Medical Faculty, Technical University (TU) Munich, Germany
- 1971 Postdoc, Department Psychology, University of Sussex, UK
- 1968 State Examination in Medicine and Defense of MD Thesis at Ludwig Maximilian University (LMU) Munich, Germany
- 1964 - 1965 Medicine at Sorbonne, Troisième Cycle de Neurophysiologie, Faculté des Sciences, Paris, France
- 1962 - 1968 Study of Medicine at LMU Munich, Germany

### **Functions in Scientific Societies and Communities (Selection)**

- 2011           Consultor of the Pontifical Council for Culture ad quinquennium
- 2010           Member of the Scientific Commission of Life Sciences, Leopoldina
- 2004           Member of the Board of Directors of the Frankfurt Institute for Advanced Studies (FIAS)
- 2004           Member of the Board of Directors of the Brain Imaging Center (BIC)

### **Honours and Awarded Memberships (Selection)**

- 2013           Cothenius Medal of the Leopoldina
- 2011           Order of Merit (First Class) of the Federal Republic of Germany
- 2009           Kaloy Prize, University Geneva, Switzerland
- 2008           Dr. honoris causa Rutgers University, USA
- 2007           Foreign Member of the Russian Academy of Sciences
- 2006           INNS Hebb Award
- 2005           Aschoff Prize, University Freiburg, Germany
- 2005           Dr. honoris causa University Oldenburg, Germany
- 2003           Hans Berger Prize, Society for Clinical Neurophysiology
- 2003           Communicator Prize, German Research Foundation
- 2003           Betty und David Koetser Prize, University Zurich, Switzerland
- 2003           Krieg Cortical Discoverer Award of the Cajal Club
- 2002           Ernst Hellmut Vits Prize, University Münster, Germany
- 2002           Chevalier de la Legion d'Honneur
- 2002           La Medaille de la Ville de Paris, France
- 2001           Max Planck Prize for Public Science, Germany
- 2000           Körber Prize for the European Sciences
- 1998           Hessian Cultur Award
- 1998           Member of the German Academy of Science Leopoldina
- 1994           Zülch Prize
- 1994           Ernst Jung Prize for Science and Research
- 1992           Consultor of the Pontifical Council for Culture ad quinquennium
- 1991           Prize of the IPSEN Foundation (shared with Thorsten Wiesel and Ursula Bellugi)

### **Major scientific interests**

His research focuses on the analysis of neuronal processes in the mammalian cerebral cortex that underlie higher cognitive functions and their deterioration in disease. Until the mid-eighties his research interests were focused on the experience-dependent development of the cerebral cortex and on mechanisms of use-dependent synaptic plasticity.

Today his research is centered on the neuronal substrate of higher cognitive functions, and especially on the question how the distributed sub-processes in the brain are coordinated and bound together in order to give rise to coherent perception and action. To address these questions, physiological data from recordings in animals und humans are obtained and analyzed with mathematical tools. The hypotheses derived are then examined and modified by way of computer simulations.