

## **Curriculum vitae**

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**Arne Holmgren**

### **Personal information**

Holmgren, Karl Arne

Born in Björkvik, Södermanlands län, December 21, 1940. Swedish citizen

### **Education**

1974 M.D. Karolinska Institute, licencee of medicine (leg läk, certified physician)

1968 Ph.D. Physiological Chemistry, Karolinska Institutet

1962 Bachelor of medicine, Uppsala University, Uppsala

### **Academic appointments**

2009-and present Senior Professor Department of Medical Biochemistry, KI

1992-2008 Director Medical Nobel Institute, Department of Biochemistry

1991 Professor and chairman Department of Biochemistry, Medical Nobel Institute, Karolinska Institutet, Stockholm

1983-1990 Professor of Medical Protein Chemistry and Enzymology, Karolinska Institute, Stockholm

1973-1982 Research docent (Associate professor) in Medical Enzymology, Medical Research Council), Karolinska Institute, Stockholm

1970-1972 University lecturer in Medical Chemistry, Karolinska Institute, Stockholm

1969 Assistant professor (docent) in Medical Chemistry, Karolinska Institute, Stockholm

### **Special awards ( selected)**

2011 Elected fellow European Academy of Cancer Sciences

2009 Doctor Honoris causa, University of Nancy, France

2006 Abraham Spector Prize, Columbia University New York USA

2006 Keynote lecturer, Oxygen Club of California, Santa Barbara, CA, USA

2006 Science and Humanity prize Oxygen Club of California

2005 Life Time Honorary Member Oxygen Club of California in recognition of pioneering contributions to research on thioredoxin, glutaredoxin and redox biology.

2004 Alberto Sols Lectureship Spanish Biochemical and Molecular Biolog Society.

2003 AstraZeneca India Distinguished Lectureship

2002 Swedish Research Council Excellent Investigator Award

- 1997 Eric K. Fernström Large Nordic Prize in Medical Research (500 000 SEK), Lund University, Sweden, for "his pioneering studies of redoxins - enzymes of central importance for cellular functions"
- 1997 Sackler fellow - Tel-Aviv University, Israel  
Fellow Sackler Advanced Study Institute
- 1991-1993 Member of Nobel Committee for Medicine, Karolinska Institute
- 1992 Member of EMBO
- 1991- Member of the Royal Swedish Academy of Sciences
- 1991-2008 Member of the Medical Nobel Assembly, Karolinska Institute
- 1987- and present, Visiting professor Dept. of Molecular Biology, The Scripps Research Institute, La Jolla, CA, USA
- 1980 Eric K. Fernström Prize, outstanding young investigator (under age of 45), Karolinska Institute (for discovery of glutaredoxin)
- 1979 The Svedberg Prize, Swedish Biochemical Society and Royal Academy of Sciences (for work on thiol-dependent biochemical reductions particularly the discovery of glutaredoxin).

Publications: 420, cited more than 40000 times).

Main Funding sources:

MBB, KI

VR Medicine Sweden: Structure and metabolic functions of thioredoxin and thioredoxin reductase. 1 500 000 SEK/ year 2015-2017 (3years).

Swedish Cancer Society : Selenium and thiol-dependent redox systems and cancer. : 1 500 000 SEK / year 2015-2017 ( 3 years).