

## **CURRICULUM VITAE**

**JOHN H. ENEMARK**  
**Regents Professor Emeritus**  
**University of Arizona**

### **EDUCATION**

1962 - St. Olaf College, Northfield, Minnesota, B.A. (Chemistry)  
1964 - Harvard University, A.M., (Chemistry), R. H. Holm, thesis director  
1966 - Harvard University, Ph.D., (Chemistry), W. N. Lipscomb, Jr., thesis director

### **EMPLOYMENT**

1968-72 - Assistant Professor of Chemistry, University of Arizona  
1972-77 - Associate Professor of Chemistry, University of Arizona  
1977-98 - Professor of Chemistry, University of Arizona  
1998-06 - Regents Professor, University of Arizona  
2006-present - Regents Professor Emeritus, University of Arizona

### **SABBATICAL AND RESEARCH LEAVES**

1974-75 - Visiting Associate Professor of Chemistry, Research with Professor R.F. Fenske, University of Wisconsin, Madison  
1974-75 - Research with Professor W. H. Orme-Johnson, Department of Biochemistry, University of Wisconsin, Madison  
1981 - Senior Alexander von Humboldt Fellow, University of Bielefeld, Germany  
1989, '95 Sabbatical Leave Research with Professor E.I. Solomon, Stanford University  
1989 - Fulbright Senior Scholar, La Trobe University and University of Sydney, Australia  
1992 - Senior Alexander von Humboldt Fellow, Technical University of Munich, Germany  
1995 - Visiting Associate in Chemistry, California Institute of Technology, Pasadena  
2002 - Collaborative research with Prof. Fraser Armstrong, Oxford University, U.K. and Prof. R. Mendel, University of Braunschweig, Germany

### **HONORS AND AWARDS**

1961 - Phi Beta Kappa  
1963-65 - National Science Foundation Predoctoral Fellow  
1965-66 - National Institutes of Health Predoctoral Fellow  
1966-67 - National Science Foundation Postdoctoral Fellow  
1971 - American Association for the Advancement of Science Fellow  
1981 - Senior Alexander von Humboldt Award  
1987 - Faculty of Science Innovation in Teaching Award  
1988 - University Teaching Center Fellow  
1989 - Fulbright Senior Scholar Award  
1992 - Senior Alexander von Humboldt Award (Reinvitation)  
1994 - El Paso Natural Gas Foundation Faculty Achievement Award  
2002 - Mortar Board Citation Award, UA Mortar Board National Senior Honor Society  
2002 - University of Arizona Graduate College and Professional Education Teaching/Mentoring Award  
2004 - Arizona Arts, Sciences and Technology Academy, Founding Fellow  
2005 - College of Science Distinguished Career Teaching Award  
2006-present - Co-PI Beckman Scholars Undergraduate Research Program, University of Arizona  
2012-present - Chair, UBRP/BRAVO! Advisory Board, University of Arizona

### **OTHER PROFESSIONAL ACTIVITIES** (since 1994)

1994-96, 1999-00 - Board of Editors, *Inorganic Chemistry*  
1995 - ACS Nominations and Symposia Planning Committee of the Inorganic Division  
1995 - AD Hoc Member, NIH Metallobiochemistry Study Section  
1997, 2000, 2001, 2006, 2009 - Discussion Leader, Gordon Research Conference, *Metals in Biology*  
2000 - Member NSF-REU Proposal Review Panel  
2001 - Co-Vice Chair, Gordon Research Conference, *Molybdenum and Tungsten Enzymes*

2003 - Co-Chair, Gordon Research Conference, *Molybdenum and Tungsten Enzymes*  
2003-05 - Editorial Advisory Board, *Journal of Biological Inorganic Chemistry*  
2004 - Editorial Board, *Inorganic Chemistry Communications*  
2006 - Ad Hoc Member, NIH MSFA Study Section  
2006 - Organizer of "Hemes and Heme Proteins: A Symposium in Honor of Professor F. Ann Walker,"  
231<sup>st</sup> National Meeting, American Chemical Society, Atlanta, GA  
2006-07, 2015 - Beckman Scholars Advisory Panel  
2007-09 - NIH MSFA Study Section  
2007-10 - Editorial Board, *Journal of Inorganic Biochemistry*  
2009-present - Organizing Committee, Molybdenum and Tungsten Enzymes Conference  
2010 NSF Chemical Synthesis (SYN-3) Panel  
2010-12 - Member, College of CSR Reviewers, NIH  
2012 - NIH ZRG1 IMST-Q(31) Study Section, High-End Instrumentation Grant Program  
2015 - NIH Special Emphasis Panel, 2015/10 ZRG1 BCMB-D (02) M

### **PROFESSIONAL ORGANIZATIONS**

American Association for the Advancement of Science; American Association of University Professors;  
American Chemical Society; American Crystallographic Association; Inorganic Biochemistry Discussion Group;  
International EPR (ESR) Society; Phi Beta Kappa; Society for Biological Inorganic Chemistry.

### **RESEARCH INTERESTS**

Bioinorganic chemistry, molybdenum-containing enzymes, pulsed EPR spectroscopy, X-ray crystallography,  
metal nitrosyls

### **PUBLICATIONS**

Over 260 papers in journals or books