

# SYMPOSIUM ON THE BIONIORGANIC CHEMISTRY OF NITROGEN OXIDES

Tuesday-Thursday, March 26-28  
ACS National Meeting, New Orleans, Spring, 1996

## Session I: **Overview of the Chemistry and Biochemistry of Nitrogen Oxides**

Prof. L. Ignarro, UCLA: The Biology of Nitric Oxide  
Prof. J. Enemark, Arizona: Transition Metal Complexes of Nitrogen Oxides  
Prof. W. Koppenol, ETH Zurich: Fundamental Chemistry of Nitrogen Oxides  
Prof. S. Bohle, Wyoming: Synthesis and Characterization of Higher Nitrogen Oxides  
Prof. J. Lipscomb, Minnesota: Nitric Oxide as a Probe of Metalloprotein Structure and Function

## Session II: **The Chemistry and Biology of Nitrogen Oxide Reduction**

Prof. B. Averill, Amsterdam: The Mechanisms of Cu and Fe Nitrite Reductases  
Prof. P. Kroneck, Konstanz: Nitrous Oxide Reductase  
Prof. E. Adman, Univ. Washington: Structure and Function of Copper Nitrite Reductase  
Prof. I. Moura, Lisbon: Hexaheme Nitrite Reductases  
Prof. W. Tolman, Minnesota: Synthetic Modeling of Copper Protein-Nitrogen Oxide Interactions

## Session III: **NO as a Biological Signalling Agent.**

### **The Chemistry of NO. Synthesis and Action**

Prof. Dennis Stuehr, Cleveland Clinic: The Biosynthesis of NO by Nitric Oxide Synthase  
Prof. J. Fukuto, UCLA: Modelling the Biosynthesis of NO  
Prof. F.A. Walker, Arizona: A Novel NO Liberating Protein from a Bloodsucking Insect  
Prof. J. Burstyn, Wisconsin: NO Activation of Soluble Guanylyl Cyclase  
Dr. L. Keefer, NIH: NO-Releasing Complexes as Pharmaceutical Agents

## Session IV: **Fundamental Chemistry of Nitrogen Oxides and Their Complexes**

Prof. R. Scheidt, Notre Dame: Iron Porphyrin NO<sub>x</sub> Chemistry  
Prof. P. Legzdins, British Columbia: Reactivity of Metal Nitrosyl Complexes  
Prof. T. Meyer, North Carolina: Mechanistic Studies of NO<sub>x</sub> Reduction by Iron Porphyrins  
Prof. G. Richter-Addo, U. Oklahoma: Metalloporphyrin Complexes of NO and NO-donors  
Prof. P. Ford, U. C. S. B.: Photochemistry of Iron and Copper Nitrosyls, Biological NO Sensing with Model Complexes  
Prof. Dean Wilcox, Dartmouth: Detection of NO in Biological Systems

There will be one general session and a designated section of the Inorganic poster session for contributed papers associated with this symposium. Contributed abstracts should be sent on ACS abstract forms to Prof. William Tolman at the University of Minnesota no later than December 1, 1995.

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This information is also posted on the ACS Division of Inorganic Chemistry WWW site at: <http://infoeagle.bc.edu/chemistry/Inorganic/Inorganic.html> and the ACS DIC Bioinorganic Subdivision site at: <http://sbchm1.sunysb.edu/koch/biic.html>