INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES
NEBRASKA REDOX BIOLOGY CENTER

2013 Redox Biology Center Symposium

Redox Signaling: A Potential Therapeutic Target for Human Disease

University of Nebraska – Lincoln
Wick Alumni Center, Pascale Great Hall
October 11, 2013

8:30 AM	Registration and Continental Breakfast
9:00 AM	**Welcome and Opening Remarks**
9:15 AM	*Probing the Mechanisms of Peroxiredoxin Function and Protein Cysteine Oxidation in Cell Signaling* **Leslie Poole, Ph.D.,** Professor, Dept. of Biochemistry, and Director, Center for Structural Biology, Wake Forest School of Medicine
10:00 AM	*Landscape of Endogenous Cysteine Proteomes: Functional Protein Regulation by S-Nitrosylation* **Harry Ischiropoulos, Ph.D.**, Professor of Pediatric and Pharmacology, Children's Hospital of Philadelphia Research Institute and University of Pennsylvania
10:45 AM	*Break – Refreshments available*
11:15 AM	*Redox Regulation of the Ryanodine Receptor—From Molecular Mechanism to Drug Development* **Jon Abramson**, **Ph.D.**, Professor, Department of Physics, Portland State University
12:00 PM	*Buffet lunch*
1:15 PM	*Treatment of Pancreatic Cancer with Pharmacological Ascorbate* **Joseph J. Cullen, M.D.,** Professor of Surgery, University of Iowa Carver College of Medicine
2:00 PM	*Nox Inhibitor Discovery & Vascular Disease, a Retrospective* **Patrick J. Pagano, Ph.D.**, Professor and Vice-Chair for Graduate Education, University of Pittsburgh School of Medicine
2:45 PM	*Break – Refreshments available*
3:15 PM	*Mitochondria—NADPH Oxidase Cross Talk In Redox Signaling and Hypertension* **Sergey I. Dikalov, Ph.D.**, Associate Professor, Director of Free Radicals in Medicine Core, Department of Medicine, Vanderbilt University Medical Center
4:00 PM	*Nanoformulated Superoxide Dismutase: An Alternative Therapeutic Strategy for Hypertension* **Matt Zimmerman, Ph.D.**, Associate Professor, Department of Cellular and Integrative Physiology, University of Nebraska Medical Center
5:00 PM	**Closing Remarks**

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