RBC ANNUAL RETREAT PROGRAM

Lied Lodge and Conference Center
Nebraska City, NE
April 13-15, 2012

Friday, April 13, 2012

5:30 PM Check-in to your rooms/Registration/Poster Setup

6:30 PM Dinner Buffet in Private Dining Room located in Stein A/B

7:50 PM Opening Remarks, **Jaekwon Lee**, Co-Director, Redox Biology Center (Room: Stein AB)

8:00-9:00 PM **Session 1** Chair: **Aracely Garcia-Garcia**

8:00-8:30 Contribution of hydrogen sulfide to the enhanced chemoreflex ventilatory response to hypoxia and breathing instability in heart failure rats
Rodrigo del Rio, Postdoctoral Research Associate, Schultz Lab, UNMC

8:30-9:00 Reactive carbonyl species contribute to cerebral vascular leakage in a rat model of type 1 diabetes
Fadhel Alomar, Graduate Student, Bidasee Lab, UNMC

Saturday, April 14, 2012

8:00-9:00 AM Breakfast Buffet in Timber Dining Room

9:00-11:30 AM **Session 2** (Room: Stein AB) Chair: **Laura Zavala-Flores**

9:00-9:30 Alpha-synuclein, copper homeostasis and autophagy: Ménage á trois in PD?
Humberto Rodriguez-Rocha, Postdoctoral Research Associate, Franco Lab, UNL

9:30-10:00 Angiotensin II Inhibits Protein Phosphatase 2A and Activates Calcium/Calmodulin Kinase II in Central Neurons
Urmi Basu, Graduate Student, Zimmerman Lab, UNMC

10:00-10:30 break

10:30-11:00 Copper zinc superoxide dismutase 1-deficient mice show increased susceptibility to MOG 35-55-induced EAE
Chandirasegaran Massilamany, Graduate Student, Reddy Lab, UNL

11:00-11:30 NMR Metabolomics: A Systems Biology Approach to Study Human Disease
Teklab Gebregiworgis, Graduate Student, Powers Lab, UNL

11:30-1:30 PM **Break for Lunch**

11:30-12:30PM Lunch Buffet in Timber Dining Room
Business Meeting of RBC Members (RBC Faculty meet in Room Stein C Corridor)

1:30-2:30 PM **Keynote Speaker:** "Redox signaling in cancer, air pollution, and aging"

Henry Jay Forman, PhD., Professor of Chemistry and Biochemistry, University of California Merced and Research Professor of Gerontology, University of Southern California

2:30-3:00 PM Coffee/Tea Break (please feel free to view posters)

3:00-4:30 PM Session 3

Chair: **Hongli Wu**

3:00-3:30 Exogenous thioredoxin stimulates proliferation of human lens epithelial cells by activating NF-κB pathway
Sumin Li, Research Technologist, Lou Lab, UNL

3:30-4:00 Kinetic Studies of the Bienzymatic Activity of the PutA Flavoprotein from *E. coli* : Insights into substrate channeling
Michael Moxley, Graduate Student, Becker Lab, UNL

4:00-4:30 Cysteine residue mutations affect Enzymatic Activity and heterodimer formation of Human γ Glutamate Cysteine Ligase
Yilin Liu, Postdoctoral Research Associate, Barycki Lab, UNL

4:30-6:00 PM Poster Session (Room: Stein AB)

6:00-7:00 PM Dinner Buffet in Private Dining Room located in West C Corridor

7:00-8:30 PM Poster Session/Awards Presentation (Stein AB/West C Corridor)

Sunday, April 15, 2012

8:00-9:00 AM Breakfast Buffet in Timber Dining Room & Check Out

9:00-10:30 AM Take down posters and depart