



UNIVERSITY OF
Nebraska
Lincoln®

BIG™

Predocctoral Training Program

Annual Symposium

8:00 AM - 5:30 PM, Champions Club

Schedule of events

8:00 AM TO 5:30 PM

University of Nebraska Alumni Champion's Club

8:00-8:45 AM Poster set-up and continental breakfast

8:45-9:00 AM Morning session welcome and kickoff presentation

Dr. Donald Becker, Program Director

9:00-10:00 AM MORNING PLENARY PRESENTATION

Engineering Antibodies to Combat Infectious Diseases

Dr. Jennifer A. Maynard, University of Texas at Austin,

Department of Chemical Engineering

10:00-11:00 AM STUDENT PRESENTATIONS I: SENIOR TRAINEES

Anna Lampe, Immunologist and Biological Systems Engineer

Non-Complexed Chitosan as an Adjuvant Enhances Antibody Responses to Single Dose, Protein Vaccines

Tessa Andrews, NMR Spectroscopist and Protein Chemist

Over-oxidation of Human DJ-1 Leads to Loss of Structural Integrity at Physiological Temperatures

Kimberly Stanke, Biomolecular Engineer and Computational Biologist

Metabolic Cooperation Between Co-Cultured Glioblastoma and Cerebellum Astrocytes

11:00-12:00

SESSION I POSTER VIEWING:

Molecular Signaling and Oxidative Stress

(Odd number posters)

12:00--1:00

LUNCH

1:00-2:00 PM

AFTERNOON PLENARY PRESENTATION

Metabolic Imaging in Psychiatric Disorders

Dr. Vincent A. Magnotta, University of Iowa,

Departments of Radiology, Psychiatry, and Biomedical Engineering

2:00-3:45 PM

STUDENT PRESENTATIONS II

Alana Rister, Mass Spectrometrists and Reproductive Physiologist

Steroid and Lipid Mass Spectrometry Analysis for the Characterization of Mouse Obesity Models

Joe Brake, Molecular and Systems Biologist

The Role of Micronutrients in Metabolism of Macronutrients: Regulation of Metabolic Signaling and Nutrient Metabolism by Copper

Matthew Moran, RNA and Cell Biologist

Long Noncoding RNA CRNDE Regulates Endothelial Cell Function in Response to DNA Damage

Poster #2 Xinqi Zhou, Graduate Student in Chemistry

Development of Novel Far-Red to Near-Infrared Fluorophores for Chemical Biology

Poster #24 Mariah L. Hart, Graduate Student in Animal Science

Inflammatory Markers are Altered in Follicular Fluid and Ovarian Cortex Culture from Androgen Excess Cows

3:45-4:45 PM

SESSION II POSTER VIEWING:

Metabolic Integrity and Disease Microenvironment

(Even number posters)

5:00 PM

AWARD PRESENTATIONS

5:15-6:00 PM

POSTER TAKE-DOWN