



# 2015 Annual Meeting

March 5 - 7, 2015 | St. Louis, MO



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# Poster Competition

**Chair: Mark Uline**

## Judges & Reviewers

Asif Rahman

Philip Barnes

Daniel Jenkins

Maobing Tu

Charles Miller

Jenna Rickus

Shannon Servoss

John Dueber

Malcolm Campbell

Sachidevi Puttaswamy

Sabrina Jedlicka

Elizabeth Vargis



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# Poster Competition

# UNDERGRADUATE STUDENT WINNERS



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# **UNDERGRADUATE – THIRD PLACE**

Kristen S. Harrison, Johnnie Chamberlin, Wen  
Zhang

University of Arkansas

*New Methods of Microalgae Quantification in  
Wastewater Treatment and Biofuel Production*



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# **UNDERGRADUATE – SECOND PLACE**

Ryan J. Putman, Sara Gertsch, Dallin  
Christensen, Cody Maxfield, Asif Rahman,  
Charles D. Miller Utah State University

*Stain Busters*



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# **UNDERGRADUATE – FIRST PLACE**

Kayla Morrissey, Alexa Jacobs, Lisa Wilken

Kansas State University

*Process Development for Corn Protein Recovery  
after Germ Wet Milling for Value-Added Co-  
Products*



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# UNDERGRADUATE – GRAND PRIZE

Kseniya A. Sheshukova, Kansas State University; Lisa  
R. Wilken, Kansas State University;

Erin T. Ogle, Iowa Department of Natural Resources

*Extraction of a Recombinant Human Blood Protein  
from Rice Flour*



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# Poster Competition

# GRADUATE STUDENT WINNERS



# GRADUATE – THIRD PLACE

Spencer Williams, Anhong Zhou

Utah State University

*Simultaneous Electrochemical Detection of  
Metal Ions in Water Using a Six-Electrode  
Microfluidic Device*

## GRADUATE – SECOND PLACE

Nana Baah Appiah-Nkansah, Kaelin Saul, William  
Rooney, Donghai Wang  
Kansas State University

*Incorporation of sweet sorghum juice into  
current dry-grind ethanol process for improved  
ethanol yields, energy savings and water  
efficiency*

# GRADUATE – FIRST PLACE

Laura Soto Sierra, Chelsea Dixon, Lisa R. Wilken,  
Kansas State University

*Aqueous enzymatic extraction of oil and protein  
from Chlamydomonas reinhardtii*



**2015 Annual Meeting**

March 5 - 7, 2015 | St. Louis, MO

# GRADUATE – GRAND PRIZE

Jonathan Wood, Tyler Gladwin, Jon Takemoto,  
Ronald Sims, Utah State University

*Differences in Biomass and Phycocyanin Yields  
with Respect to Growth Substrata on a Rotating  
Algal Biofilm Reactor*

# STUDENTS' CHOICE POSTER AWARD

Chris Glover, Sarah Smith, Dave Grant, Sheila Grant, University of Missouri

*Characterization of acellular porcine diaphragm construct conjugated with bioactive gold nanoparticles*