

Arts & Sciences Oral Presentation Winners

Oral Presentations Social Sciences

1st Place

Jason Lewis, Political Science

Faculty Mentor: Daniel Levine, Political Science

Negative Externalities and Land Market Operations in Mandate Palestine

2nd Place

Grace Hoover, Chemical and Biological Engineering

Faculty Mentor: Marisa Giggie, Community Health Sciences

Psychiatric Co-morbidity in Collegiate Recovery Communities

3rd Place

Trevor Chidester, Anthropology

Faculty Mentor: Keith Jacobi, Anthropology

Denisovans: From a Pinky to a People

International Focus Winner

Jason Lewis, Political Science

Faculty Mentor: Daniel Levine, Political Science

Negative Externalities and Land Market Operations in Mandate Palestine

Oral Presentations Fine Arts & Humanities

1st Place

Dave Nearing, History

Faculty Mentor: John Beeler, History

*Remarks on the Arctic Whale-Fishery, 1611-1783 With an Econometric Productivity
Analysis of British Arctic Whaling Ports 1770-1775*

2nd Place

Charlotte Olson, Theatre and Dance

Faculty Mentor: Sarah Barry, Theatre and Dance

Frederick Ashton

3rd Place

Eric Nubbe, Art and Art History

Faculty Mentor: Craig Wedderspoon, Art and Art History

Nucor Children's Charity Classic Auction

4th Place

Jonathan Ramos, Music

Faculty Mentor: Andrea Cevasco, Music

A Cross-Analysis of Asian and Latino Family Systems in America

International Focus Winner

Leighton Carlock, Religious Studies

Faculty Mentor: Steven Ramey, Religious Studies

Myth as Illusion

Oral Presentations Science and Mathematics

1st Place

Braxton Greer, Biological Sciences

Faculty Mentor: Stevan Marcus, Biological Sciences

Endocytosis During the Cellular Response to Avicin

2nd Place

Megan Johnston, Chemistry

Faculty Mentor: Kevin Shaughnessy, Chemistry

Palladium-Catalyzed Direct Intramolecular Arylations Using Water-Soluble Phosphine Ligand

3rd Place

Grant Fairchild, Biological Sciences

Faculty Mentor: Kimberlee Caldwell, Biological Sciences

*Use of microRNAs to identify novel neurodegenerative genes in *C. elegans**

4th Place

Shuwen Yue, Chemical and Biological Engineering

Faculty Mentor: David Dixon, Chemistry

Computational Studies of the Conversion of Biomass to Biofuels

Honorable Mentions

Matthew Larkin, Biological Sciences Faculty

Mentor: Stephen Secor, Biological Sciences

*The metabolic determinant underlying the rate of energy use during prolonged fasting for the diamondback water snake, *Nerodia rhombifer*.*

Travis Atchley, Chemistry

Faculty Mentor: Silas Blackstock, Chemistry

Donor-Acceptor Cocrystallization for Molecular Assembly

Arts & Sciences Poster Presentation Winners

Poster Presentation Social Sciences

1st Place

Meghan Stallworth, Psychology

Faculty Mentor: Joan Barth, Institute for Social Science Research

Classmates, Sisters and Friends: The Effects of Micro Social Systems on Women's Future Life Goals

2nd Place

Katherine Love, Psychology

Faculty Mentor: Jeffrey Parker, Psychology

The Role of Body Image in Early Adolescents' Vulnerability to Friendship Jealousy and Aggression

3rd Place

Elizabeth Bistrong, Psychology

Faculty Mentor: John Lochman, Psychology

Effects of the April 27, 2011 Tornado on Parental Functioning

4th Place

Bethany Herndon, Criminal Justice

Jason Atchison, Criminal Justice

Faculty Mentor: Mark Lanier, Criminal Justice

The Effects of Prejudice on the Legal System and Conviction Decisions

International Focus Winner

Momoko Suma, Criminal Justice

Faculty Mentor: Ariane Prohaska, Criminal Justice

The comparison of the homelessness in Japan and the United States

Poster Presentations Fine Arts & Humanities

1st Place

Edward Woodall, History

Faculty Mentor: Josh Rothman, History

Research Possibilities of a Runaway Slave Ad Database

2nd Place

Savannah Feezor, Music

Faculty Mentor: Andrea Cevasco, Music

The Effects of Music and Multimodal Stimulation on Positive and Negative Behavioral Responses of Premature Infants

3rd Place

Karrie Elpers, Psychology

Faculty Mentor: Ansley Gilpin, Psychology

Undergraduates' High in Religiosity Have Increased Fantastical Beliefs

4th Place

Christina Irión, Telecommunications and Film

Sarah Catherine Perry, Human Nutrition and Hospitality Management

Kiley Pfeifer, Culverhouse School of Accountancy

Kaley Hogan, Capstone College of Nursing

Faculty Mentor: Jessica Hollander, English

Dewey Dell - An Analysis

Poster Presentation Sciences and Mathematics

1st Place

Morgan Whitaker, Chemistry

Faculty Mentor: David Nikles, Chemistry

Polymer Coated Magnetic Nanoparticles: Formation and Usage for Cancer Therapy

2nd Place

Hunter Dean, Biological Sciences

Faculty Mentor: Janis O'Donnell, Biological Sciences

*The Effects of Positively Charged Nanoparticles on Survival and Fertility in *Drosophila melanogaster**

3rd Place

Sarah McFann, Chemical and Biological Engineering

Faculty Mentor: Anthony Arduengo, Chemistry

Characterization of Picolinium Quinodimethane under Electro-Optic Device Conditions

4th Place

Meagan Reif, Biological Sciences

Carrie Fisher, Biological Sciences

Faculty Mentor: Stephen Secor, Biological Sciences

Testing the adaptive correlation between feeding habits and digestive physiology for snakes

International Focus Winner

Robert Ward, Biological Sciences

Faculty Mentor: Juan Lopez-Bautista, Biological Sciences

A Molecular Investigation of Distromatic Ulva (Ulvophyceae, Chlorophyta) from Central Chile

Honorable Mentions

Jonathan Belanich, Biological Sciences

Faculty Mentor: Stephen Secor, Biological Sciences

Tarantulas vs. Scorpions: Digestive energetics and efficiencies of drinking versus eating

Ashley Alexander, Biological Sciences

Faculty Mentor: Stephen Secor, Biological Sciences

Testing the Cooking Hypothesis in Human Evolution

Caitlin Marsh, Biological Sciences

Faculty Mentor: Julie Olson, Biological Sciences

Diversity of Biosynthetic Genes Associated with Symbiotic Bacterial Communities

Danny Laderberg, Biological Sciences

Faculty Mentor: Stephen Secor, Biological Sciences

Carbohydrate breakdown and the regulation of blood glucose for the diamondback water snake

Amanda Volk, Chemical and Biological Engineering

Faculty Mentor: David Nickles, Chemistry

Multifunctional Gold Nanoparticles

Christine Talley, Human Nutrition and Hospitality Management

Faculty Mentor: Laura Reed, Biological Sciences

*Genotype-by-diet interaction effect on blood sugar in *Drosophila**