

## Symposium for Scholarship and Creativity

### Schedule of Events

April 7, 2009

12:15 p.m.	<b>Welcome and University Awards Ceremony</b> <i>Dr. DeBow Freed, President</i> <i>Dr. Daniel May, Vice President for Academic Affairs</i> <i>Ms. Emily Jackson, Senior, Hospitality Management Major</i> <i>Ms. Lauren Mercer, Senior, Hospitality Management Major</i>	AMU Multipurpose Room
1:15 p.m.	<b>College of Business, Alumni Speaker and Awards</b> <i>Dr. Paul Sears, Dean</i> <i>Mr. Kevin Moyer, alumni speaker</i> <b>College of Education, Alumni Speaker and Awards</b> <i>Dr. Alice Anderson, Dean</i> <i>Ms. Barbara Meyers, alumni speaker</i> <b>Student Presentations A</b> <b>Theatre Presentation: "An Actor's Life for Me"</b> <b>Student Technology Center (STC)</b>	AMU Multipurpose Room WTS Auditorium Old Main Ritz Auditorium AMU Endly
1:45 p.m.	<b>Student Presentations B</b>	Old Main
2:15 p.m.	<b>College of Sciences, Alumni Speaker and Awards</b> <i>Dr. Terry Schwaner, Dean</i> <i>Dr. Jon Davis, alumni speaker</i> <b>College of Health Professions, Alumni Speaker and Awards</b> <i>Dr. Andrea Koepke, Dean</i> <i>Dr. Barbara Piper, alumni speaker</i> <b>College of Pharmacy, Invited Speaker and Awards</b> <i>Dr. Donald Stansloski, Dean</i> <i>Dr. Marc Sweeney, invited speaker</i> <b>Student Presentations C</b> <b>Theatre Presentation: Scenes from "The Importance of Being Earnest"</b>	AMU Multipurpose Room WTS Auditorium Davis Street Building 102 Old Main Ritz Auditorium
2:45 p.m.	<b>Student Presentations D</b> <b>Cake Decorating Demonstration</b>	Old Main AMU Atrium
3:15 p.m.	<b>College of Liberal Arts, Alumni Speaker and Awards</b> <i>Dr. Gary Johnson, Dean</i> <i>Mr. Greg Denecker, alumni speaker</i> <b>Student Presentations E</b>	WTS Auditorium Old Main
3:45 p.m.	<b>Student Presentations F</b>	Old Main
4:00 p.m.	<b>Student Poster Presentations G</b>	WTS First Floor Atrium
4:30 p.m.	<b>Reception and Drawing</b>	AMU Multipurpose Room
All Day	<b>Posters</b> <b>STC workshops</b>	Winebrenner Lobby AMU Endly

## Schedule of Events (continued)

Room/ Time	AMU	WTS	Ritz Theater	Old Main	Davis
<b>12:15 to 1:05</b>	Welcome & University Awards				
<b>1:15 to 2:05</b>	COB Alumni Speaker & Awards	COE Alumni Speaker & Awards	<b>Theater Presentation:</b> "An Actor's Life for Me"	<b>Student Presentations</b> Session A 1:15-1:35 Session B 1:45-2:05	
<b>2:15 to 3:35</b>	COS Alumni Speaker & Awards  Cake Decorating Demonstration 2:45-3:40	COHP Alumni Speaker & Awards	<b>Theater Presentation:</b> Scenes from "The Importance of Being Earnest"	<b>Student Presentations</b> Session C 2:15-2:35 Session D 2:45-3:05	PHARM Invited Speaker & Awards
<b>3:15 to 4:30</b>	COLA Alumni Speaker & Awards	<b>Poster Presentations</b> Session G 4:10-4:30		<b>Student Presentations</b> Session E 3:15-3:35 Session F 3:45-4:05	
<b>4:30 to 5:00</b>	Reception & Drawing				
<b>All Day</b>	STC	Posters			

# Overview of the Afternoon

## Student Technology Center (STC)

1:15-4:30 p.m.

AMU Endly

### **A Status Report on Services, Projects and Research Exploration**

*Audra Dundore, COLA/COE; Maggie Gompers, Ryan Rothenbuhler, COLA; Stephanie Smith, graduate student, COHP; Dayna Lessig, COS and Charles Koch, COS*

Faculty Sponsor: Beth Stewart and Raymond J. McCandless, D.A.

The student coaches of the STC will be giving presentations that will focus on the services that the Center can provide to students and faculty; showcasing exemplary projects that have been produced using the Center; and demonstrating segments of workshops that are offered. An important aspect of their presentation will be the discussion of the research exploration and experimentation that went into workshop development and specialized student projects. In addition, there will be workshop schedules and other STC information available.

## Cake Decorating Demonstration

2:45-3:40 p.m.

AMU Atrium

### **Learn How to Make Cake Dreams Come True!**

*Emily Jackson, Lauren Mercer, Candice Kenney, Amanda Esbenshade, Katie Vegh, COB and Caitlin Gilbert, COS*

Faculty Sponsor: Paula Wolper

This presentation will showcase the techniques learned by the students in just one semester of the new Confectionery Arts and Design class. Final cakes will be on display and students will be on hand to answer any questions about them. There will also be a demonstration of the basic icing and decoration techniques. Attendees will get an opportunity to try some of the techniques as well. Come join the fun.

## Theater

First Production 1:15-1:35 p.m.

Second Production 2:15-2:35 p.m.

Ritz Auditorium

### **First Production: “An Actor’s Life For Me”**

Faculty Sponsor: Heather Williams, instructor of theatre

Have you ever wondered how actors interview for their jobs? Come and watch students from UF’s theatre program perform their audition packages: a variety of contemporary and classical monologues selected and rehearsed by the students to use at a professional audition.

### **Second Production: Scenes from “The Importance of Being Earnest”**

Faculty Sponsor: Vicki McClurkin, director

Students from the UF theatre department will perform scenes from Oscar Wilde’s comedy, “The Importance of Being Earnest,” which was offered by the theatre department last fall.

## Student Presentations: 1:15 - 1:35 p.m.

College	Presenters	Room Assignment
COLA 3	<p><b>An Overview of The Genographic Project</b>  <i>Alex Hale, COLA</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>This presentation will be an overview of the Genographic Project that is being conducted by Dr. Spencer Wells, a geneticist, in part with National Geographic, in which the presenter has submitted his own DNA to trace the movement of his ancestors back to a common group of all humans' ancestors. The topics covered in this presentation will be: what is the Genographic Project, the data the presenter personally received from participating in the project, how the gathered data from the project has been used thus far and, finally, where science and history can go with this newfound information?</p>	Main 202
COLA 8	<p><b>The Story of My Semester Abroad in Guanajuato, Mexico</b>  <i>Kaitlyn Kerzisknik, COLA</i> Faculty Sponsor: Julia Perez-Gamboa, Ph.D.</p> <p>This presentation will describe a four-month stay in Guanajuato, Mexico, emphasizing classes and professors at the University of Guanajuato, home stay and cultural experiences, and Mexican holidays. Views of the city, landscapes and cultural events will be illustrated by multimedia material.</p>	Main 203
COS 5	<p><b>Web-Based Job Ticket System</b>  <i>Robert Manley and Jim Stelter, COS</i> Faculty Sponsor: Heda Samimi</p> <p>A computer science software engineering team has created software for 1-Stop Computer Services, LLC. The purpose is to track Job tickets through a web based interface during the course of repair.</p>	Main 209
COS 18	<p><b>Subharmonic Waves and Factors Determining the Strength of Subharmonic Waves</b>  <i>Charles Starkey and Bradley Wood, COS</i> Faculty Sponsor: Heather Yu, Ph.D.</p> <p>This presentation is designed to share how subharmonic waves are generated and their potential in applications. It is also will inform how these waves can be increased, decreased, or eliminated on a string.</p>	Main 212
COLA 34	<p><b>Living and Learning in Washington, D.C.: Insights from the Presidential Inauguration Seminar</b>  <i>Sarah Everly, Tiffany Umin, COLA, and Nick Burkholder, COHP</i>                      Faculty Sponsor: Diana Montague, Ph.D.</p> <p>Six UF students attended the Presidential Inauguration Seminar sponsored by The Washington Center. This 12-day trip in January featured presentations by world-famous journalists, diplomats and former congressmen, as well as site visits to key places throughout Washington, D.C. Throughout the seminar, students shared in-depth discussions on the complexities of mediated messages, the logistics of staging a popular inauguration and the nuances of politics in all facets of life. In this session, students will discuss their exciting experiences in Washington, including field trips to historic sites, learning to navigate public transportation and attending the inauguration of President Barack Obama.</p>	Main 213
COS 15	<p><b>Analysis of Experimental Infrared Spectra by Quantum Mechanical Calculations</b>  <i>Joy Sizemore, COS</i> Faculty Sponsor: Hafed Bascal, Ph.D.</p> <p>Quantum chemical calculations based on density functional theory and ab initio calculations have been used to predict Infra Red (IR) vibrations of model compounds. Calculated absolute band values, and differences between isomers, were in good agreement with experimentally assigned data. Simulated IR spectra based on calculated vibrational energy bands proved useful in identifying differences between predicted and experimental data. The technique could prove valuable in assisting assignment of IR spectra of more complex compounds of commercial interest.</p>	Main 216
COS 30	<p><b>The Susceptibility and Impact of Hoof and Mouth in the United States</b>  <i>Mark Kucko Jr., COS</i> Faculty Sponsor: Cheryl Cape</p> <p>This presentation presents results of a research project completed in Geol410, Introduction to Geographic Information Systems (GIS). GIS is a computer-based tool that uses data input and spatial analysis to answer questions using any type of geographic data. This project analyzed the potential outbreak of the devastating livestock disease Hoof and Mouth in the United States using livestock numbers and transit information, along with the distribution of large animal veterinarians. It was determined that Texas, Oklahoma and Kansas are the states with the highest risk of a large economic impact from an outbreak of the disease.</p>	Main 300

# Student Presentations

## Student Presentations: 1:15 - 1:35 p.m. (continued)

College	Presenters	Room Assignment
COLA 1	<p><b>Journeys into African American Literature</b>  <i>Katie Roush, Analiese Kovisto, Cora Worden, Stefanie Lauer, Katrina Feick, and Laisha Wise, COLA</i>                      Faculty Sponsor: Christine Denecker, Ph.D.</p> <p>Journeys into African American Literature is a presentation that highlights some of the innovative academic journeys taken by students in the Fall 2008 Topics in Literature class. From a student-built interactive Web site that demonstrates the influence of jazz music on African American writing to actual audio files of slave narratives and a live performance of the work of Zora Neale Hurston, this presentation overviews the broad landscape of African American Literature and demonstrates the students' own forays into this genre.</p>	Main 301
COLA 33	<p><b>Research and Development of Media and Material for a Graphic Design Studio</b>  <i>Carla Towers, COLA</i> Faculty Sponsor: Anne Beekman</p> <p>This presentation will show the culmination of the graphic communication curriculum developed and learned by the presenter. Using the skills acquired with this education, research, design and development of media and materials needed to begin a graphic design studio will be presented. The research includes many aspects of owning a small business from salary to invoicing and pricing to delivery. Along with the research, a corporate identity package, a media kit and a Web site for the studio will be shown at the presentation.</p>	Main 305
COHP 21	<p><b>Ensuring a Dignified Death</b>  <i>Patrick McAuliffe, graduate student, COHP</i> Faculty Sponsor: Srikumaran Melethil, J.D., Ph.D.</p> <p>The purpose of this research was to define the origin of current laws in the United States concerning euthanasia and physician-assisted suicide and to find a way to improve them. It starts by reviewing constitutional and case law issues, which have led us to the current view on the death and dying in this country. After going over the problems associated with the procedures allowed in Oregon and the Netherlands, better alternatives to reduce complications are explored, including the potential role a pharmacist could take.</p>	Main 308
COLA 10	<p><b>The Prose and Poetry of Penny Dreadful</b>  <i>Nadine Romick, COLA</i> Faculty Sponsors: Marianna Hofer and David Essinger</p> <p>Nadine will be reading excerpts from her original short story fiction and poetry she has written under the pseudonym Penny Dreadful.</p>	Main 312

## Student Presentations: 1:45 - 2:05 p.m.

College	Presenters	Room Assignment
COLA 20	<p><b>William Wilberforce: The Decision to Abolish the Slave Trade</b>  <i>Clouette Heichel, COLA</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>There are many great moments in history, from the end of WWII to the building of the great Ohio mounds. However, many important moments of history are far too often overlooked. One of these moments is that of William Wilberforce. William Wilberforce was born in Hull, England, on Aug. 24, 1759, and would later become one of the most influential members of English Parliament as the leader of the movement to abolish slavery. This presentation will uncover the factors that created the support group that Wilberforce needed to embark on this great campaign that would lead to the 1833 Abolition.</p>	Main 202
COLA 4	<p><b>The Teaching of Multiculturalism and Diversity with the Taiwanese Education System</b>  <i>Meng Chun Tsai, graduate student, COLA</i> Faculty Sponsor: Michael Reed, Ph.D.</p> <p>This workshop presentation is focused on the issues of multiculturalism and diversity in the Taiwanese educational system. Historically, there has been a lack of teaching of these issues in Taiwan's K-12 school system, most likely because the majority has considered their society to be monocultural. However, the situation with languages and ethnic groups has changed because of the increase in international marriages and immigrants. The presenter proposes to discuss why and how the topics of culture, and ethnicity and diversity should be infused into the curricula for grades 3-6. In addition, the presenter will show how and why ESL (English as a Second Language) might be the optimal content area for presenting these new elements within the Taiwanese elementary school curriculum.</p>	Main 203

## Student Presentations: 1:45 - 2:05 p.m. (continued)

College	Presenters	Room Assignment
COS 6	<p><b>International English Language Program Assessment</b>  <i>Jonathan Weber, Osamah Almakki and Nicholas White, COS</i> Faculty Sponsor: Heda Samimi</p> <p>A computer science software engineering team has developed software to assist the International English Language Program (IELP) at The University of Findlay in assessing the effectiveness of its English language program.</p>	Main 209
COS 23	<p><b>Simulation of Effects of Clots and Hypertension on Blood Flow</b>  <i>Carolyn Wise and Iwona Popkowski, COS</i> Faculty Sponsor: Heather Yu, Ph.D.</p> <p>Normal blood flow is vital to a person. Obstructions in blood flow, such as clots, can cause an increase in demand for blood pressure, which could result in heart attacks, heart failure, or in extreme cases, death. This project is designed to simulate blood flow in the circulatory system and demonstrate the affect of a clot on blood pressure and blood flow. It is also designed to show how diuretics are used to alleviate hypertension.</p>	Main 212
COLA 32	<p><b>The Scintillating Salon: Engaging Conversations Build Critical Thinking Skills</b>  <i>Adam Houser, Desmond Stroob, COLA, and Josh Ziegler, COS</i>                      Faculty Sponsor: Diana Montague, Ph.D.</p> <p>After spending many hours in stimulating discussions in Washington, D.C., six UF students who attended the Presidential Inauguration Seminar in January came back to Findlay with a strong desire to continue their deliberations with others who want to explore complex ideas. The Washington group chose to start a "salon," a gathering of engaging people who come together to share ideas, debate perspectives and increase participants' knowledge. In the salon setting, people can explore many perspectives, including opposing viewpoints, in a supportive and energizing atmosphere. For this presentation, students who went to Washington will discuss the progress of their salon meetings.</p>	Main 213
COS 10	<p><b>Implementing the use of Spartan Software in the High School Classroom</b>  <i>Donna Elmlinger, graduate student, COS</i> Faculty Sponsor: Hafed Bascal, Ph.D.</p> <p>This presentation is based on the use of Spartan Software and computational chemistry to predict and calculate properties of chemical systems. Selected common chemical compounds were chosen by high school students. The compounds were then drawn, viewed three dimensionally, and analyzed for characteristics and trends.</p>	Main 216
COS 9	<p><b>Restoration of Salmon Populations to the Columbia River Basin</b>  <i>Michael Porto, COS</i> Faculty Sponsor: Cheryl Cape</p> <p>This project was completed using Geographic Information Systems (GIS) in GEOL410. GIS is an up-and-coming computer technology that is relevant in almost all professional fields today. GIS allows users to organize, display and analyze digital geographic information. This project came about after reading about salmon populations crashing on the west coast. This brought up several questions that GIS helped to answer. What was causing this collapse and what could be done to help correct the problem? This project looked at the number of dams on the Columbia River, its tributaries and land usage in these areas.</p>	Main 300
COS 3	<p><b>Modeling the Invasion of the Rock Goby in Lake Michigan</b>  <i>Jeremy Foster and Kora Ridings, COS</i> Faculty Sponsor: Pamela Warton, Ph.D.</p> <p>A mathematical model for the population of the invasive Rock Goby fish in Lake Michigan will be developed. Different parameters will be investigated to determine if the population of these fish can be decreased so that the population of the more desirable species of fish can return to the waters of Lake Michigan.</p>	Main 301
COS 14	<p><b>Service Ambassadors Program: Celebrating Culture Through Service</b>  <i>Kavya Kolisetty, graduate student, COS</i> Faculty Sponsor: Christopher Sippel</p> <p>The Service Ambassadors Program engages The University of Findlay's students in meaningful service while facilitating a greater understanding of diversity. Students from two different cultural backgrounds are paired together to serve on a weekly basis in the community. This program enables students to work toward a common goal of serving while exploring, experiencing, and celebrating the similarities and differences among the diverse student body at UF. Participants in this program will reflect on what they have learned about the community, culture and themselves.</p>	Main 305

# Student Presentations

## Student Presentations: 1:45 - 2:05 p.m. (continued)

College	Presenters	Room Assignment
COHP 20	<p><b>The Use of Gastric Acid-Suppression Therapy in Long-Term Care Facility Residents and Their Risk of Contracting Clostridium Difficile</b>  <i>Nicole Cupples, graduate student, COHP</i> Faculty Sponsor: Charles Mosler, PharmD.</p> <p>For this research project, a retrospective chart review of residents at local nursing homes will be conducted. Using the data collected, a statistical analysis (SPSS) will be performed to determine if a positive correlation exists between gastric acid-suppression therapy and the incidence of clostridium difficile.</p>	Main 308
COLA 23	<p><b>Poetry and Fiction Reading</b>  <i>Craig White, COLA, and Melinda Bednarik, COHP</i>                      Faculty Sponsors: Marianna Hofer and David Essinger</p> <p>Craig White and Melinda Bednarik will read from their original poems or stories.</p>	Main 312

## Student Presentations: 2:15 - 2:35 p.m.

College	Presenters	Room Assignment
COLA 22	<p><b>The Feelings Behind the Surrender at Appomattox</b>  <i>Elizabeth Morgan, COLA</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>This presentation will go into the details of how key individuals felt during the latter part of the Civil War, mainly consisting of the surrender at Appomattox. The presenter hopes to shine some light on how Lee and Grant felt about the events leading up to the surrender using their personal correspondences between the two of them or even those close to them. Not many people know why the surrender happened as it did.</p>	Main 202
COLA 5	<p><b>Task-based Language Instruction in Foreign Language Classroom</b>  <i>Yousof Assahafi, graduate student, COLA</i> Faculty Sponsor: Michael Reed, Ph.D.</p> <p>Task-Based Language Instruction (TBLI) has flourished lately and gained a huge interest among second language researchers and teachers. Attempting to find out if TBLI is as promising in foreign-language classrooms as it is in second language ones, the presenter is conducting a pioneer study where Arabic language will be taught as an EFL course for five weeks as part of his practicum at The University of Findlay. The presenter will share the study questions that he is going to investigate, the significance of the study and its major findings. After that, he will conclude with some of the most important suggestions and implications for FL/SL teaching.</p>	Main 203
COLA 31	<p><b>Maximizing the Study Abroad Experience</b>  <i>Adrianna Terrell, COLA</i> Faculty Sponsor: Hiroaki Kawamura, Ph.D.</p> <p>The purpose of this presentation is to analyze information about the study abroad experience. Studying abroad is a unique experience that can foster greater understanding of another culture and its language. However, simply living in another country is not going to increase language skills and encourage intercultural exchange. Individuals abroad need to consider many techniques in maximizing this experience. In sharing the lessons learned from personal experience and explaining strategies that encourage language acquisition and intercultural exchange, learners preparing to go abroad may make wiser decisions and have a fuller study abroad experience.</p>	Main 209
COE 4	<p><b>Post-Secondary Alternative Pathways</b>  <i>Nicole Wagner, graduate student, COE</i> Faculty Sponsor: Judith Wahrman, Ph.D.</p> <p>This presentation discusses how high school and college faculty, administrators and participating students work toward dual enrollment classes on high school campuses. With The University of Findlay's dual enrollment program, qualified high school teachers come to campus and are trained by the college faculty who teach the course during the academic year. The responsibility of the college faculty is to assure that high school teachers' classes meet the requirements of courses taught on campus. Teacher/faculty professional development, student perceptions of the course, and financial considerations are discussed. The presentation also discusses program goals, benefits and future development.</p>	Main 212

## Student Presentations: 2:15 - 2:35 p.m. (continued)

College	Presenters	Room Assignment
COB 1	<p><b>Misconceptions of the Past: An In-Depth Look into the 1850 Census</b>  <i>Casey Laufer, COB</i> Faculty Sponsor: Joseph Martelli, D.I.T.</p> <p>The 1850 Census for Hancock County was used to analyze the veracity of various long-held 'facts' about life in pre-Civil War Ohio. Through the use of the data mining software SPSS, data from the census was analyzed to answer questions about life in the 1840s. A stratified sample was taken from household units randomly chosen from all of the townships in the county, and data from the census was entered into SPSS. When data for the variables was entered and analyzed it was found that some 'facts' about life in 1840s were false.</p>	Main 213
COB 2	<p><b>Habitat Re-store Logistics and Supply Chain Management</b>  <i>Jared Diekman, COB</i> Faculty Sponsor: Jeffrey Forsyth</p> <p>Session presenter will give a PowerPoint presentation about the Re-store that Habitat for Humanity is starting up in Findlay. Presenter will discuss the Logistics and Supply Chain Management portion of this.</p>	Main 216
COB 6	<p><b>Outsourcing: Heading into the 21st Century</b>  <i>Johnnie Jackson, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Globalization is heavily debated today due to the economic downturn of our global markets. Whether a company is operating in Pakistan, South Korea or the United States, the global markets are impacting how and where they will target their business strategies. And as we grow, expand and cultivate the global markets, offshoring has been a major contributor to the success of many companies globally. The offshoring of information technology is a growing trend because of how attractive prices, talent, and geographic location are to businesses. This presentation will tap into the factors that have driven offshoring to the 21st Century.</p>	Main 300
COLA 9	<p><b>Digital English: Class Projects from ENGL 302 Advanced Writing and ENGL 490 Composing in Digital Environments</b>  <i>ENGL 302 Class and ENGL 490 Class Students</i>                      Faculty Sponsors: Christine Tulley, Ph.D., and Christine Denecker, Ph.D.</p> <p>In this presentation, students from the ENGL 302 Advanced Writing and ENGL 490 Composing in Digital Environment courses will present their digital movies and podcasts. The projects will all be looped in a presentation, so that each student's work can run one after another on the projection screen.</p>	Main 301
COLA 11	<p><b>Identifying and Communicating Values at Iberia Elementary School: Building Cooperation</b>  <i>Danielle Marshman, COLA</i> Faculty Sponsor: Cheri Hampton-Farmer, Ph.D.</p> <p>Values affect organizational members' behavior, perceptions and communication. Organizational leaders influence levels of cooperation through intentional and strategic communication of organizational values. Research for this study was conducted at an elementary school by identifying the values and examining how members communicate these values. A cultural analysis method was used to analyze the data. Findings from this study suggest that values need to be identified so that every member is working toward the same goals. If values are not communicated effectively and members do not know the organization's values, cooperation wanes and conflict may ensue. Communicating values affects behaviors, perceptions and communication in organizations, which contributes to performance and productivity.</p>	Main 305
COLA 2	<p><b>What is the Meaning of Life?</b>  <i>Samantha Derr and Ashley Dutridge, COLA</i> Faculty Sponsor: John Malacos, Ph.D.</p> <p>No one knows the meaning of life, but it is interesting to see what people believe it to be. There is no universal meaning of life, but the Psychology Senior Capstone class wanted to see what the students, faculty and the community at The University of Findlay perceived the meaning of life to be. The presentation will show how the Psychology Senior Capstone class developed the "Meaning of Life" project, how the information was collected, how the quotes were analyzed and what future replications of the project could be done.</p>	Main 308
COLA 24	<p><b>Poetry and Fiction Reading</b>  <i>Lori Bell, Kimberly Welenc and Lisa Ragland, COLA</i>                      Faculty Sponsors: Marianna Hofer and David Essinger</p> <p>Lori Bell, Kimberly Welenc and Lisa Ragland will be reading their original poetry or fiction.</p>	Main 312

# Student Presentations

## Student Presentations: 2:45 - 3:05 p.m.

# Student Presentations

College	Presenters	Room Assignment
COLA 25	<p><b>Fiction and Poetry Reading</b>  <i>Max Reinhart and Joshua Fenton, COLA</i> Faculty Sponsors: Marianna Hofer and David Essinger</p> <p>Max Reinhart and Joshua Fenton will read from their original work.</p>	Ritz
COLA 26	<p><b>Senior Thesis</b>  <i>Scott Palmer, COLA</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>This presentation will be on the Middle East and specifically the war on Iraq and Bush's impact on the region.</p>	Main 202
COB 7	<p><b>Globalization: Views on Its Impact</b>  <i>Arun Dasari, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Globalization is a very commonly heard term. It is used by political leaders and hardly understood by common people. Globalization means many things to many people and there is very little common understanding amongst all. This presentation provides different views on globalization and attempts to provide a better understanding of the concept and phenomenon. The impact of culture on the interpretation of globalization and the impact of globalization on people of the United States is addressed.</p>	Main 203
COLA 7	<p><b>Study Abroad: It's More than Just a Vacation</b>  <i>Laura Maurer, COLA</i> Faculty Sponsor: Hiroaki Kawamura, Ph.D.</p> <p>Based around personal experiences from a one-year study abroad at the University of Fukui in Japan, this presentation will discuss and explore study abroad in ways that reveal that it is more than just a long vacation in another country. When pulled away from what you are used to, you can see the ways in which a person changes mentally as well as how you find yourself and see a clearer future. The challenges faced, the experiences you go through, and the responsibility you gain are all part of study abroad, which add up to the bigger impact in your life.</p>	Main 209
COE 1	<p><b>Strategies to Increase Attendance in Live Online Classes at a Virtual High School</b>  <i>Roger Gluckin, graduate student, COE</i> Faculty Sponsor: Judith Wahrman, Ph.D.</p> <p>The online high school is a learner-centered educational system. While students work independently on a self-directed schedule, research points to the value of live synchronous sessions led by a teacher skilled in the virtual classroom environment. In the research setting, these live sessions are optional. Teachers used a variety of incentives to encourage student attendance at these sessions. This study examined the value of the use of multiple communication channels to increase attendance at synchronous sessions.</p>	Main 212
COB 5	<p><b>UNIENDO Conference Belize 2009 &amp; Children's Center Service Project</b>  <i>Stephanie Heydinger, Allison Bowers, Mel Snyder, and Casey Lauger, COB</i>                      Faculty Sponsor: Robert Rustic</p> <p>Four members of The University of Findlay Rotaract Club attended the UNIENDO Conference in Belize City, Belize, Jan. 28 – Feb. 1. UNIENDO is a project fair in which clubs from around the globe bring information about projects they need funding and help completing. Data from booths at the project fair was collected and brought back to be presented at the Rotary District Conference. Also, the four students and Professor Rustic and his wife spent a day at the Dorothy Menzies Children's Center, where they distributed donations they collected. All six took an extra 50-lb. bag of luggage filled with donations (toys, hats, soap, toothbrushes, etc...) and passed them out to the 47 children at the center.</p>	Main 213
COB 8	<p><b>Findlay Students in Free Enterprise</b>  <i>Alex Hale, COLA, Rachel Hanke, and Shannon Lussier, COB</i>                      Faculty Sponsor: Gregory Arburn, Ph.D.</p> <p>This will be a presentation by members of The University of Findlay S.I.F.E. (Students in Free Enterprise) team. The information covered in this presentation will be: What is S.I.F.E., what is S.I.F.E.'s purpose, and what are some activities that the team has accomplished in the 2008-2009 year?</p>	Main 216

## Student Presentations: 2:45 - 3:05 p.m. (continued)

College	Presenters	Room Assignment
COB 13	<p><b>Career Opportunities in Biotechnology: Realistic Outlook of the Market</b>  <i>Shamini Katepally, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Biotechnology is being touted as a super-hot field for employment. Especially at this time when there is global recession, this is great news to hear. However, how much of this news is credible needs to be verified. This presentation looks into different aspects of biotechnology. Both positive insights and matters of concern are discussed. Opportunities for biotechnology majors are presented. In addition, opportunities for business majors in this lucrative field are offered.</p>	Main 300
COB 14	<p><b>Work Force Attrition in IT Industry: The Scenario in India</b>  <i>Padmavathi Yata, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Workforce attrition is a cause of major concern in every field in today's world. As compared to the other work areas, the IT industry is facing heavy workforce attrition. The IT industry, being a knowledge-based sector, requires a workforce that is highly competent. Also, the demanding nature of work in the industry requires effective strategies to retain its workforce. With growing demand for Indian IT professionals overseas and with multinational IT companies establishing their offices in India, retention becomes challenging. This paper provides an overview on analyzing the management of human resource in the IT industry in India.</p>	Main 301
COLA 21	<p><b>The Case for a Linux-Inspired Reduction in Electronic Waste</b>  <i>Adam Houser, COLA</i> Faculty Sponsor: Ronald Tulley</p> <p>Electronic waste is a growing problem in the United States and abroad, and a significant portion of this waste is comprised of discarded computers. Solutions for electronic waste proliferation have been proposed, but many only respond to electronic waste after it has been produced. The presenter proposes to reduce electronic waste by curbing the number of computer systems being discarded. This reduction may be accomplished through the use of the Linux open-source operating system to decrease the propensity to upgrade hardware, reduce the influence of planned obsolescence on computer consumers, and offer flexibility not found in proprietary operating systems.</p>	Main 305
COLA 12	<p><b>Gender Wars</b>  <i>Tanya Gordon, COLA, Padraic Stanley, Nikki Steffenhagen, COHP, and Jacki St. Cyr, COS</i>                      Faculty Sponsor: Andrea Adams-Miller</p> <p>A symposium in gender communications, emphasizing relationships and the unlikely differences between men and women.</p>	Main 308
COLA 6	<p><b>Drowsy Driving</b>  <i>Julie Cusick, Jill Edmonds, COHP, and Markie Anderson, COS</i>                      Faculty Sponsor: Nicole Diederich, Ph.D.</p> <p>Multimodal assignments have been used recently in composition classrooms to engage students in the persuasive writing process. These presenters will share their multimodal project – a public service announcement (PSA) created for English 106 – and discuss the rhetoric strategies applied to both this project and their related paper. In addition, the topic of the PSA – drowsy driving – is a subject that is not stressed enough to teens who are constantly busy with sports, extracurricular activities, and also homework. Thus, this presentation also emphasizes that teenagers risk their lives every time they allow themselves to drive while drowsy.</p>	Main 312

## Student Presentations: 3:15 - 3:35 p.m.

College	Presenters	Room Assignment
COB 10	<p><b>New Product Development: Enhanced Imaging</b>  <i>Suveera Nagabhyrava, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Technology plays a critical role in business. One area of technology that has received a lot of attention is image processing. With the need for speed and precision, document transmission over large distances and almost instant reception is required. The quality of document reproduction contributes to accuracy. By using the merits of two methods a new method for image enhancement based upon contrast has been developed. This method involves Histogram Matching and Histogram Shifting, which results in an improved image. This product has very useful applications in industry, particularly in satellite systems, as well as in GPS systems.</p>	Main 203

**Student Presentations: 3:15 - 3:35 p.m. (continued)**

**Student Presentations**

<b>College</b>	<b>Presenters</b>	<b>Room Assignment</b>
COB 11	<p><b>HRM and the Employee: Insights into the corporate environment</b>  <i>Shravani Neelam, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Human resource management builds up relationships between employees and employers, which in turn is crucial for the profits of the company. HRM is no longer just related to hiring employees; it also deals with solving personal problems that contribute to productivity. Company profits are dependent on a cordial environment, increased productivity and good working relationships between employer and employee. This paper focuses on how HRM can assess problem situations in the organization and solve them. HRM proves to be profitable for every organization.</p>	Main 209
COB 15	<p><b>Attrition Concerns During Recession: Retaining the Best</b>  <i>Swapna Jathan, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Attrition is a major cost to business at all times. Recruiting and retaining quality employees is a challenge to business. Especially during a recession, businesses are challenged to desperately cut costs and yet remain competitive. It is estimated that businesses lose significant money when competent employees quit their jobs. The paper looks at employee motivators and recommends strategies for reducing competent employee attrition. The results of implementing these strategies should lead to significant cost savings to businesses.</p>	Main 212
COB 21	<p><b>A SWOT Analysis of Homeopathy in the U.S.A.: Alternative Medicine</b>  <i>Dr. Prakashsinh Parmar, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Homeopathy is alternative medicine that many Americans use whether they know it or not. It is also used by many recent immigrants to the U.S.A. This SWOT analysis provides a deeper look into homeopathy and its prospects in the U.S. market. The marketing-related strengths, weaknesses, opportunities and threats are presented. Marketers can use this information to determine strategies and tactics for increasing the market share of homeopathy.</p>	Main 213
COB 12	<p><b>Lessons from the Catapult: Operations, Logistics and Supply Chain Management</b>  <i>Garrett Allwes, Jared Diekman, and Erik Birkholz, COB</i> Faculty Sponsor: Jeffrey Forsyth</p> <p>The group will study the relationship of the military catapult from the aspect of operations, logistics and supply chain management. The group will give a presentation as well as a demonstration of how militaries might have used the catapult. The group will study what a military might have learned from moving and supplying such a large piece of equipment. The group will research different problems that militaries might have encountered logistically.</p>	Main 216
COE 2	<p><b>Text-to-Speech Reading Programs for Individuals with Reading or Visual Disabilities</b>  <i>Lori Colchagoff, staff, and Miranda Tippie, graduate student, COHP</i>                      Faculty Sponsor: Lori Colchagoff</p> <p>The presentation will demonstrate one text-to-speech program called Kurzweil. The process of scanning, downloading or ordering books in PDF files will be demonstrated and explained. The features of the Kurzweil program will be demonstrated and explained. A few free online speech-to-text programs will be provided as resources for individuals to access for personal use.</p>	Main 300
COHP 4	<p><b>Identifying How Environmental Challenges Influence a Mother's Ability to Orchestrate Health-Promoting Lifestyles for her Children</b>  <i>Amanda Wolford, Alicia Hindall, and Rachael Rufe, graduate students, COHP</i>                      Faculty Sponsor: Laura Schmelzer</p> <p>Childhood obesity has become a worldwide epidemic that has driven researchers to search within the environment for causative factors. Various environmental factors have been identified within the literature, yet no exploration has been made as to whether or not these factors influence the decisions made by mothers attempting to promote health in their children. Since mothers are usually responsible for deciding how to meet the family's health needs, this research study aims to take a further look as to how these causative factors influence a mother's ability to orchestrate health promoting habits and routines in her children.</p>	Main 305
COHP 11	<p><b>The Relationship of Academic and Non-academic Characteristics on Physical Therapy Student Outcomes</b>  <i>Jaimie Brady and Amanda Halcomb, graduate students, COHP</i>                      Faculty Sponsor: Deborah George, Ph.D.</p> <p>An extensive literature review was conducted on the academic and nonacademic characteristics that have been shown to potentially impact a physical therapy student's educational outcomes. Outcomes explored included the student's clinical performance scores, cumulative grade point average, and first-time pass rate on the national physical therapy exam.</p>	Main 308

## Student Presentations: 3:15 - 3:35 p.m. (continued)

College	Presenters	Room Assignment
COB 22	<p><b>Traveling for Dental Care: Alternative to High Dental Costs</b>  <i>Shaileshkumar Madan, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>People always find alternatives to high costs. Using their resourcefulness, many patients requiring dental care in the U.S.A. have found cheaper alternatives. One such alternative is to travel for dental care. Patients go to other countries to receive quality, cheaper dental care. The cost differential is so significant that they can afford to include a vacation around their treatment and yet pay a lower price than they would have paid in the U.S.A.</p>	Main 312

## Student Presentations: 3:45 - 4:05 p.m.

College	Presenters	Room Assignment
COB 16	<p><b>Public Concerns About Large Retailers: The Case of Wal-Mart</b>  <i>Travis Whipple, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Society is blinded by the “everyday low prices” that Wal-Mart is able to offer and unable to look past this aspect into the negative societal affects. The unfair labor acts of Wal-Mart are not based on one aspect but rather a wide variety of unlawful employee treatments. The continuous growth of Wal-Mart can be viewed as a positive for society; however, consumers fail to realize the environmental effects. Consumers are unaware of the various negative aspects Wal-Mart brings to a community when new stores are continually being built.</p>	Main 202
COB 17	<p><b>Private Investment or Multinational Aid? An Analysis of External Involvement in Developing Countries</b>  <i>Megan Garner, COB</i> Faculty Sponsor: Jeremy Baker</p> <p>This presentation will look at the economic effects of Foreign Direct Investment (FDI) and the Transfer of Payments on developing countries. The pros and cons of both methods as a means of economic stimuli will be considered in an analysis of the repercussions on the recipient country and its citizens.</p>	Main 203
COB 18	<p><b>Corporate Leadership Style In Eagle Liquors and Distilleries: Revelations of a CEO from India</b>  <i>Dr. Arjun Vemula, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>While the principles of management are generally universal, they are manifested in various manners around the world. When a corporation is interested in a specific country for furthering business, it becomes more important to know as much about the leadership styles of top executives in that country. India has become a prominent destination of interest to the business world. However, knowledge about Indian leadership styles in business is not very commonly available. This paper provides an insight into the leadership style of a successful top executive from a corporation in India.</p>	Main 209
COB 20	<p><b>Terrorism and Business: The Growth in Security Needs</b>  <i>Sowmya Mangalam, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>Terrorism has become a real threat to all nations. The loss of human life is undoubtedly the tragic side of terrorism's violent attacks. The business world does not go unaffected with these attacks. Businesses may be afraid to operate as normal because of the fear that another attack will happen. For these reasons, the demands for private security are coming in large numbers and it will grow significantly in the near future. Hence, investing in security business will not only help the organizations but also profit the investors.</p>	Main 212
COB 4	<p><b>Why People Shop at Wal-Mart: Needs Fulfillment</b>  <i>Casey Lauger, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>In this paper, Americans were analyzed to determine why they like and want to shop at Wal-Mart. This research was done to determine why Wal-Mart has been so successful in attracting and keeping customers. Three hundred surveys were distributed to random people to gain knowledge of their shopping habits. Several individuals who regularly shop at the mega chain were also interviewed to gain knowledge of why they prefer shopping at Wal-Mart verses other local stores. The data gained from the surveys were entered into Microsoft Excel where it was analyzed to determine why they enjoy shopping at Wal-Mart.</p>	Main 213

**Student Presentations: 3:45 - 4:05 p.m. (continued)**

**Student Presentations**

<b>College</b>	<b>Presenters</b>	<b>Room Assignment</b>
COS 2	<p><b>Winning Strategies for the Game of Monopoly</b>  <i>Erica Keene and Danielle Rohal, COS</i> Faculty Sponsor: Pamela Warton, Ph.D.</p> <p>A winning strategy for the game of Monopoly will be presented using mathematical game theory and Markov chains.</p>	Main 216
COS 11	<p><b>The World of Web Pages</b>  <i>Dayna Lessig, COS</i> Faculty Sponsor: Helen Schneider, Ph.D.</p> <p>This presentation will demonstrate how a group of students created a Web site for Hancock County Coordinating Council, a community organization that organizes non-profit agencies in Hancock County. It will explain how the students worked as a group to create the pages and worked with what the client was asking for to suit their needs. It will exhibit the HCCC Web site and the simple codes that were used to build something unique and creative.</p>	Main 300
COS 12	<p><b>UF Habitat for Humanity Building: Collegiate Challenge and a House Sponsorship</b>  <i>Holly Fava, Emily Ricker, and Michael Pesato, COS</i> Faculty Sponsor: Crystal Weitz</p> <p>The presentation will consist of a PowerPoint slide show covering the chapter's Alternative Spring Break trip and the goal of a house sponsorship in 2015. Building is one of four fundamental pillars in Habitat for Humanity and the presentation will show the main ways to be used to achieve this.</p>	Main 301
COS 1	<p><b>Studying the Levels of the Hormones Estradiol and Progesterin in Fecal Samples from a Female Clouded Leopard (<i>Neofelis nebulosa</i>) to Determine Ovulation Cycle</b>  <i>Jewel DeJager, COS</i> Faculty Sponsor: Gwynne Rife, Ph.D.</p> <p>Fecal samples collected from a five-year-old clouded leopard are analyzed to determine differing levels of the hormones estradiol and progesterin to determine an ovulation cycle in the clouded leopard. Samples will be dried, pulverized and then run through a spectrophotometer to determine color change indicating the varying levels of hormones. These levels will then be analyzed to determine an ovulation cycle, which will assist in future efforts to impregnate clouded leopards.</p>	Main 305
COHP 18	<p><b>Comparison of Empiric Dosing Methods of Aminoglycosides</b>  <i>Eric MacGillis, graduate student, COHP</i> Faculty Sponsor: Sandra Earle, Pharm.D.</p> <p>Extended interval dosing (EID) of aminoglycosides (AG) has theoretical advantages although traditional dosing (TD) is most often used. Healthcare providers have less experience with EID and are reluctant to use these methods. Patients from Blanchard Valley Hospital that have received AG will be examined retrospectively. Calculated variables from empiric TD of the AG are used to simulate empiric EID methods. The theoretical and actual resulting concentrations from all methods will be compared for efficacy and toxicity. The pharmacist and physician can compare the results of these methods thereby ensuring that patients are receiving optimal empiric dosing of AG.</p>	Main 308
COB 19	<p><b>Subprime Crisis: Handling the Issue</b>  <i>Bindya Vijay, graduate student, COB</i> Faculty Sponsor: Nabarun Ghose, D.B.A.</p> <p>The subprime crisis has led to many downturns in the economy, leading to recession or stagnation of economies in some countries. The crisis significantly impacted the global economy as the stock markets, the household sector, world food prices, the credit industries, the oil industry, the foreign exchange and job markets were affected by the crisis. To prevent the crisis we must extend the application of sound financial principles to a larger segment of the society, and use all modern technology to achieve that goal.</p>	Main 312

## Poster Presentations

Posters will be available for viewing all afternoon  
 Students will be standing with posters from 4:00-4:30 p.m.  
 WTS First Floor Atrium

College	Presenters
COB 23	<p><b>Visualizing Today's Global Market</b>  <i>John Guagenti, Cory Vales, Shirilea Demlow, Kunal Parikh, Hanqing Liu, and Mike Fennema, graduate student, COB</i>            Faculty Sponsor: Maria Gamba</p> <p>The intent is to create a diagram that explains how businesses interact with one another in a global setting. Primarily, the poster will be a diagram of how international business starts and revolves within certain mechanisms.</p>
COE 3	<p><b>Student Goals and the Use of Goal Sheets to Increase Academic Performance</b>  <i>Jeff Hoerner, graduate student, COE</i> Faculty Sponsor: Judith Wahrman, Ph.D.</p> <p>The purpose of this study was to explore the use of student-created goal sheets and their impact on students' academic achievement. Specifically, the intent was to determine if a more frequent review of these individual goals would be beneficial to the students. The subject group consisted of 45 sixth-grade science students from a suburban/rural local school in Northwest Ohio. The findings indicated that a more frequent review of these self-established goals was not beneficial. Scores for the majority of the subject group decreased during the observation period. Implications of these findings, possible explanations and suggestions for an improved study are discussed.</p>
COE 5	<p><b>Heterogeneous Seating Charts and the Improvement of Classroom Grades</b>  <i>Amy Stultz, graduate student, COE</i> Faculty Sponsor: Judith Wahrman, Ph.D.</p> <p>Students were strategically placed in the classroom based on their grades in the content area. Students were from a small urban school in Northwest Ohio. The content was an American government class comprised of juniors and seniors. Two instruments were used to gauge the progress and improvement of students' grades. Grades were taken at the beginning of the research period and compared to grades at the end of the predetermined period. In this setting, the grades for the majority of the students did improve.</p>
COS 4	<p><b>Tracing Dispersal Routes of the Mediterranean Gecko, <i>Hemidactylus turcicus</i>, by DNA Sequencing</b>  <i>Amanda Wagner, Lisa Perry, Rebecca Lauer, COS, and Kivat Shabiwala, COHP</i> Faculty Sponsor: Terry Schwaner, Ph.D.</p> <p>Individual populations of the Mediterranean gecko, <i>Hemidactylus turcicus</i>, experienced a founder (or bottleneck) effect when introduced across the southern United States. Previous research has shown a pattern of reduced genetic variation in populations farther from port cities along the Gulf Coast. This study is an attempt to trace the dispersal routes by sequencing and comparing DNA from secondary sources (i.e., where they were first introduced) to the present locations. If DNA strands from samples in more distant populations contain unique sequences (haplotypes), those samples may have originated from the same secondary source.</p>
COS 7	<p><b>Isolating the Gene for Cardiotoxin III. Part I: Comparing Two Methods of DNA Isolation from a Snake Cast-off Skin</b>  <i>Tim Ericksen, COS</i> Faculty Sponsor: Terry Schwaner, Ph.D.</p> <p>The common cobra, <i>Naja naja atra</i>, contains powerful venom that includes the protein, cardiotoxin III. The 60 amino acid peptide contains three domains formed by disulfide bonding of cysteines. One of these domains causes apoptosis of cells. Hypothetically, the domain could integrate itself into cancer cells, also inducing apoptosis. Our study is the first of a three-part effort to isolate the gene for cardiotoxin III, by comparing yields from two methods of gDNA isolation from a snake cast-off skin. Quantities of DNA obtained from five replicates of each method will be subjected to a one-way analysis of variance to test the hypothesis of no difference in yields by either method.</p>
COS 8	<p><b>Dynamics of Post-Colonization of a New, Artificial Pond by the Bullfrog, <i>Rana catesbeiana</i>, in Northwest Ohio</b>  <i>Kate Lynn Bickelhaupt, COS</i> Faculty Sponsor: Terry Schwaner, Ph.D.</p> <p>The bullfrog, <i>Rana catesbeiana</i>, is one of the most popular amphibian species in the US, but few studies have begun from initial colonization of an artificial pond. This report focuses on the dynamics of colonization at a single locality in northwest Ohio, initiating a long-term observational study of bullfrog biology and behavior. Evidence through published data infers that the two size classes' present, small and large, represent two generations of bullfrog. Relative numbers of these juveniles and adults reinforce the notion that select founder adults laid eggs in late summer 2007, resulting in hundreds of juveniles counted in fall 2008.</p>
COS 13	<p><b>Vegetation Classification of the Rieck Center for Habitat Studies</b>  <i>Ashley Kuflewski, COS</i> Faculty Sponsor: Benjamin Dolan, Ph.D.</p> <p>The purpose of this study is to identify and map habitats at the Rieck Center for Habitat Studies based on vegetation classification using the U.S. National Vegetation Classification System (USNVC). Soil classifications and potential vegetation will also be used in determining the habitats. The identified habitats will be mapped by using a Global Positioning System (GPS), and a Geographic Information System (GIS) program will be used to create a map of the center. A trail network will also be created through the Rieck Center to pass through each of the classified habitats.</p>

## Poster Presentations: 4:00 - 4:30 p.m. (continued)

College	Presenters
COS 16	<p><b>Precise Measurement of Coefficient of Friction</b>  <i>Sarah Morar and Kyle Wright, COS</i> Faculty Sponsor: Heather Yu, Ph.D.</p> <p>Friction has many applications. The factors affecting friction include the quality and area of contact surface, and the normal force. A parameter, coefficient of friction, is used to quantify the friction. With this project, different measurement methods will be used to measure kinetic friction coefficients for selected surfaces and objects. One method using motion detector in measurement and calculus in calculation will be described in detail. A summary of ways to increase or decrease friction will be presented.</p>
COS 17	<p><b>Epigenetic Events in DNA Repair and Cancer: Promoter Hypermethylation of the hMLH1 and PMS2 genes in Colorectal Cancer</b>  <i>Laura Waite and Jade Braman, COS</i> Faculty Sponsor: Michael Edelbrock, Ph.D.</p> <p>Epigenetic regulation of human genes is not well understood. Current literature implies that the hMLH1 and PMS2 DNA repair proteins can be epigenetically regulated by methylation of promoter areas. Our working hypothesis is that promoter methylation is involved in the regulation of these proteins in normal cells and that epigenetic silencing may induce the cancer process. Genomic DNA from cancer cells grown in culture was isolated for bisulfite treatment followed by PCR amplification. Different cancer cell lines originating from different tissues are being tested to determine if methylation patterns in CpG island areas can be used as predictors for tumorigenesis.</p>
COS 19	<p><b>Study on Siphon Effect</b>  <i>Jana Pearl and Alysha Hyde, COS</i> Faculty Sponsor: Heather Yu, Ph.D.</p> <p>Through understanding the physics behind pressure in liquid, flow rate and Bernoulli's principle a thorough study of the siphon effect will be displayed. Calculations both theoretical and experimental will be displayed in order to decipher the required minimum height difference in a siphon in relationship to the diameter of the tube as well as the type of liquid used.</p>
COS 20	<p><b>The Deregulation of Chromatin Remodeling by Oncogenic BRAF in Melanoma</b>  <i>Corina Benjamin, COS</i> Faculty Sponsor: Michael Edelbrock, Ph.D.</p> <p>This project investigated the role of chromatin remodeling signaling pathways, which may be disrupted by mutations in the BRAF and PTEN genes in melanoma cells. The working hypothesis is that inhibition of the MAP kinase pathway has an effect on the expression of SWI/SNF subunits, namely the proteins Brg1 and Ini1. The SKMel28 melanoma cell line was treated with inhibitors to block chromatin remodeling signaling pathways. Differences in protein expression between treated and control cells were indeed observed. Based on these observations, it is believed that the progression of malignant melanoma may be in part due to the deregulation of the SWI/SNF complex.</p>
COS 21	<p><b>Atrazine as an Endocrine Disruptor: A Review</b>  <i>Vinod G. Tujalpuram, graduate student, COS</i> Faculty Sponsor: Michael Homsher, Ph.D.</p> <p>Our drinking water has positive detects for Atrazine! Is this important for our health? Endocrine disrupting compounds (EDC) like atrazine, are chemicals that bind to neurohormonal receptors, mimic actions of sex, steroid hormones, creating breach in homeostasis. They are widely found in rain, ground water and rivers used as drinking water sources. Atrazine, an herbicide, binds to cell surface receptor (progesterone receptor), and induces aromatase enzyme in human cancer cell lines, responsible for testosterone conversion to estrone and ensuing feminization. Current research focuses on assay by SRI gas chromatograph and USEPA method 508.1 to investigate Blanchard River atrazine concentration.</p>
COS 22	<p><b>Impacts of Emerald Ash Borer on Forest Community Structure at the Rieck Center</b>  <i>Jamie Umlauf, COS</i> Faculty Sponsor: Benjamin Dolan, Ph.D.</p> <p>Emerald Ash Borer (EAB) is an invasive species originating in Asia. The larvae of this beetle feed on the cambium and phloem of ash trees, killing the tree within 23 years. EAB has been identified in Hancock County and is suspected to have infested the woodlands of UF's Rieck Center for Habitat Studies. This study will examine the potential impact of EAB on forest plant succession at the Rieck Center by comparing the current spatial distribution of ash species to the future woodland community. Ash tree locations will be marked in the field using GPS and then analyzed in a GIS program to study distribution; and future forest composition will be predicted from the current species in the understory community.</p>
COS 24	<p><b>Agricultural Terrorism: To Glo or Not To Glo</b>  <i>Jenna Lemle, Austin Slayter, Rachel Hammond, COS</i> Faculty Sponsor: Bethany Henderson-Dean, Ph.D.</p> <p>Our objective for this project was to determine bacterial transmission and control of bacterial growth in a hypothetical agricultural event. We used a nontoxic substance (GloGerm©) to simulate bacteria and observe transmission patterns throughout the Pre-Vet barn at The University of Findlay. Common disinfection protocols were performed to determine if they were effective means of controlling and/or preventing bacterial contamination in an agricultural setting.</p>

Poster Presentations: 4:00 - 4:30 p.m. (continued)

College	Presenters
COS 25	<p><b>Formulation Development and In Vitro and In Vivo Evaluation of Membrane-Moderated Transdermal Systems of Hydrophilic Antibiotics in Ethanol: pH 4.7 Buffer Solvent System</b>  <i>Vamsi Krishna Ramachandrapurapu, graduate student, COS, and Setu Pendurthi, graduate student, COHP</i>                      Faculty Sponsor: Michael Homsher, Ph.D.</p> <p>The objective of the present study was to develop membrane-moderated transdermal systems of hydrophilic antibiotics like Amoxicillin and to evaluate them with respect to various in vitro and in vivo parameters. The membrane-type Transdermal systems of drug with various antinucleant polymers in an ethanol: pH 4.7 buffer volatile system with a rate-controlling membrane was developed. The best formulations were selected for further in vivo studies. The release and permeation of the drug from the best patch will be conducted. That hydrophilic antibiotic can be developed as a transdermal delivery system is an alternative to IV &amp; Oral administration and has minimal adverse effects is the working hypothesis.</p>
COS 26	<p><b>Development of a “Green” Air Bio-Filter to Control Noxious Odors on Swine Farms</b>  <i>Amanda Sterrett, Kelly Kontur, Tara Bastin, Sarah Higgins, and Michelle Billings, COS</i> Faculty Sponsor: Edward Bonnette, Ph.D.</p> <p>Noxious odors decrease animal performance, affect human health and spoil neighbor relationships. The new Animal Science Building will hold a large number of animals, which may result in forming unfavorable odors. To create a better living and working environment, a bio-filter was designed for a swine room’s exhaust system to control air contaminants, which produce odors. As part of the UF’s green initiative, recycled organic materials (vegetable oil from the dining hall and straw from wheat harvest) will be utilized. Air contaminants will be measured as air enters and leaves the filter to determine if it is effective in reducing contaminants.</p>
COS 27	<p><b>Cloning and Expressing Loop 3 of Cardiotoxin III and Determining its Effect against Cancer Cells</b>  <i>Doug Steiner and Hee Jin Cho, COS</i> Faculty Sponsor: Michael Edelbrock, Ph.D.</p> <p>The cobra, <i>Naja naja atra</i>, contains powerful cardiotoxins within its venom. One of these cardiotoxin protein, cardio toxin III, is composed of 60 amino acids. Within this peptide, three loops are formed via disulfide bonding. Previous research has shown that loop 3 of cardiotoxin III can kill cancer cells. Our hypothesis is that the efficiency of killing cancer cells depends on cancer cell type. To address this hypothesis, cancer cells of different origins were treated in a dose dependent manner and cell viability compared. It is expected that each cell type will respond differently to the treatment regime.</p>
COS 28	<p><b>Determining Antibiotic Resistance and Antibiotic Subsistence of Bacteria Isolated from Mice Populations</b>  <i>Melissa Wiles and Melissa Lord, COS</i> Faculty Sponsor: Bethany Henderson-Dean, Ph.D.</p> <p>The increased use of antibiotics in human and agricultural realms has been correlated with antibiotic resistant bacteria. This project focuses on bacteria that are resistant to tetracycline, streptomycin, or bacitracin. The bacteria were isolated from mice associated with farm and urban settings. The objective was to determine if antibiotic resistance developed due to exposure to or runoff containing antibiotics. The bacteria were originally isolated at a minimum inhibitory concentration of 10mg/ml of the antibiotic. Further, the bacteria were exposed to increasing concentrations of antibiotics and tested for various resistance to determine number and location (genomic or plasmid) of these genes.</p>
COS 29	<p><b>Prevalence and Distribution of MRSA in Domesticated Dogs</b>  <i>Aaron Silveus, COS</i> Faculty Sponsor: Bethany Henderson-Dean, Ph.D.</p> <p><i>MRSA</i> (methicillin resistant <i>S. aureus</i>) has recently has become newsworthy as the number of infectious cases in the U.S. has drastically increased. Many epidemiologists have studied the transmission characteristics and patterns of <i>MRSA</i> and they have determined that <i>MRSA</i> can be transmitted both as a nosocomial and community acquired infection. However, these studies have focused on human transmission, and little to no research has focused on zoonotic transmission of this bacterium. This study has begun to explore this area of possible transmission by hypothesizing that domesticated dogs that were owned by health care workers would be more likely to be carriers of <i>MRSA</i> than dogs owned by non-health care workers.</p>
COS 31	<p><b>Tardigrades</b>  <i>Megan Yarger, COS</i> Faculty Sponsor: Gwynne Rife, Ph.D.</p> <p>This study focused on local corticolous (bark loving) populations of water bears to determine the impact of temperature on the time needed for the suspended individuals to become active. Water bears on local corticolous lichen patches are often in a resting stage called a “tun” where metabolism is suspended. When immersed in spring water they hydrate and become active. It is not evident whether the time needed to go from tun to full metabolism is related to the ambient temperature at the time they are exposed to spring water.</p>
COS 32	<p><b>Simulation of Effects of Clots and Hypertension on Blood Flow</b>  <i>Carolyn Wise and Iwona Popkowski, COS</i> Faculty Sponsor: Heather Yu, Ph.D.</p> <p>Normal blood flow is vital to a person. Obstructions in blood flow, such as clots, can cause an increase in demand for blood pressure, which could result in heart attacks, heart failure, or in extreme cases, death. This project is designed to simulate blood flow in the circulatory system and demonstrate the affect of a clot on blood pressure and blood flow. It is also designed to show how diuretics are used to alleviate hypertension.</p>

Poster Presentations: 4:00 - 4:30 p.m. (continued)

Poster Presentations

College	Presenters
COHP 1	<p><b>Personal Best Peak Flow Measurements When a Valved Holding Chamber (VHC) is Used With a Short-Acting Beta2-Agonist (SABA) HFA Inhaler</b>  <i>Jennifer Emerson, Robin Guter, Michelle Mellott and Brian Schmitz, graduate students, COHP</i>                      Faculty Sponsor: Lori Ernsthause</p> <p>VHCs benefit asthma sufferers by improving inhalation coordination, increasing the amount of drug delivery to the lungs, and decreasing the amount of drug that remains in the mouth. The use of VHCs had been recommended with inhalers containing chlorofluorocarbon (CFC) as a propellant. Although all inhalers with CFC propellants have now been replaced by hydrofluoroalkane (HFA) propellants, few studies have been published evaluating their use with VHCs. Peak flow meters have been proven appropriate for at-home monitoring of asthma; therefore, this study is determining if using VHCs with HFA SABA inhalers will improve personal best peak expiratory flow rates.</p>
COHP 2	<p><b>Assessment of the Diagnosis and Management of Hypertension and Hyperlipidemia in an Internal Medicine Clinic</b>  <i>Allison Alexander and Amanda Etnyre, graduate students, COHP</i> Faculty Sponsor: Debra Parker, Pharm.D.</p> <p>Although hypertension and hyperlipidemia are major health concerns in the US, medical literature indicates a suboptimal number of patients who are diagnosed achieve treatment goals set by national guidelines. A chart review and patient survey were conducted by UF students during routine office visits at an internal medicine clinic. The primary objective of this study was to determine rate of goal attainment with blood pressure and lipids using recognized national guidelines. Results showed 54% of hypertensive patients and 65% of patients with dyslipidemia were at goal, respectively, while 36% of patients with both diagnoses were at both goals.</p>
COHP 3	<p><b>Inhibition of Epidermal Growth Factor Stimulated ERK Phosphorylation and Migration by Inositol Trisphosphate Kinase Inhibitor</b>  <i>Kirat Shabiwala, COHP</i> Faculty Sponsor: M. Chandra Sekar, Ph.D.</p> <p>Epidermal growth factor [EGF] stimulation results in the formation of inositol (1,4,5) trisphosphate [IP3] and diacylglycerol [DG]. We have used an IP3kinase [IP3K] inhibitor to further dissect EGF signaling. Proteins from cells stimulated with EGF in presence and absence of IP3K inhibitor were separated on SDS and blotted onto membrane and probed with polyclonal antibody to ERK-P. The phosphorylation level of ERK stimulated by EGF for 15 min was inhibited by 10 and 20µM IP3K inhibitor. Similar IP3K concentration also inhibited EGF-stimulated cell migration in the wound healing assay. Our data suggests that IP4 may play a role EGF-signaling.</p>
COHP 5	<p><b>Assessment of Diagnosis and Management of Painful Diabetic Peripheral Neuropathy in an Internal Medicine Clinic</b>  <i>Nicole Nadolny and Lynn Warner, COHP</i> Faculty Sponsor: Debra Parker, Pharm.D.</p> <p>Painful diabetic peripheral neuropathy (DPN) is a common complication of diabetes that often goes undiagnosed. This study assessed the prevalence of diagnosed and undiagnosed DPN in an internal medicine clinic and determined satisfaction with pain management for this condition. Pharmacy students reviewed medical charts and conducted patient surveys to collect needed data from 92 patients. Results showed that 6.5% of diabetic patients were diagnosed with DPN, while 35% indicated one or more symptoms consistent with DPN but were not diagnosed. Of those receiving medication therapies for DPN, 57% were satisfied with their treatment.</p>
COHP 6	<p><b>Limited Health Care Can Still Make A Difference</b>  <i>Greg Harvey, graduate student, COHP</i> Faculty Sponsor: Charles Mosler, Pharm.D.</p> <p>The Clinica Buena Fe in Nuevo Progreso, Mexico (medical missions) provides healthcare to hundreds of patients every two months. The purpose of this study is to determine if the healthcare seems to be helping control diabetes mellitus and hypertension. A chart review was done in June and August of 2008. Patient data was then compared. The preliminary results were found in 80 patients. Diabetic patients were found to be controlled 66% of the time, and patients with hypertension 42% of the time. More data needs to be collected and evaluated to reach further conclusions.</p>
COHP 7	<p><b>Assessment of Quality of Life in type 1 Diabetes Patients with the Aid of a Medical Alert Dog Trained to Detect Hypoglycemic Episodes</b>  <i>Jo Ellen Cobb, graduate student, COHP</i> Faculty Sponsor: Debra Parker, Pharm.D.</p> <p>Type 1 diabetes mellitus is a disease that is most often diagnosed in children, leading to a lifestyle in which constant monitoring of blood glucose levels is necessary. Numerous needle sticks may be experienced by the patient, leading to a decreased quality-of-life. If insulin is dosed too high it can lead to a life-threatening hypoglycemic episode. This study involves completion of a survey by patients (or their guardians) utilizing Dogs4Diabetics as part of their treatment plan. Medical alert dogs are trained to detect to onset of hypoglycemia so that intervention can be sought before it becomes a life-threatening situation. The study will recruit a minimum of 12 patients, collecting baseline data, with follow-up survey data collected at three monthly intervals, with data collection ending by May 2009.</p>

**Poster Presentations: 4:00 - 4:30 p.m. (continued)**

College	Presenters
COHP 8	<p><b>Allen County Health Partners Medication Reconciliation by Student Pharmacists: Can Students Make a Difference?</b>  <i>Laura Riddle, Kaylee Dunson, and Cassandra Roach, COHP</i> Faculty Sponsor: Lori Ernsthause, Pharm.D.</p> <p>Medication reconciliation [MR] is the process of comparing a patient's medication history to a current list. Widely practiced in hospitals, pharmacists have the ability to implement this process in the community setting and make it a standard of care. One such community practice is Allen County Health Partners (ACHP) in Lima, Ohio. Student pharmacists at ACHP performed medication reconciliation in an outpatient clinical setting to verify the accuracy of the current records. A data collection form was used to analyze and record results. A goal data collection of 75 patients is currently under way.</p>
COHP 9	<p><b>Pediatric Cough and Cold Medications and the Community Pharmacist</b>  <i>Samantha Blair, graduate student, COHP</i> Faculty Sponsor: Lori Ernsthause, Pharm.D.</p> <p>The responsibility of pharmacists to ensure safe administration and proper education of all medications is central to pharmaceutical care. Studies show that most parents give their children over-the-counter (OTC) cough and cold medications and many parents do not know how to calculate or measure the correct dose for their child. A survey was randomly distributed to pharmacists at a national conference to evaluate their knowledge of OTC cough and cold medicines for use in children. Results are currently being evaluated to determine if pharmacists are properly educated to ensure safe administration and proper education to the caregivers of children.</p>
COHP 10	<p><b>Comparison of Home to Inpatient Intravenous (IV) Antibiotic Therapy</b>  <i>Tessa Overman, COHP</i> Faculty Sponsor: Sandra Earle, Pharm.D.</p> <p>The purpose of this project is to determine if home IV antibiotic therapy is as safe and effective as IV treatment provided within the hospital. We will evaluate the dependability and safety of the devices used to administer the medications. Also, serum concentrations of the drugs will be evaluated to determine if the antibiotics obtain appropriate concentrations for the patients in both the inpatient and outpatient setting.</p>
COHP 12	<p><b>Acute Effects of Self-Myofascial Release on Hamstring Extensibility: The Foam Roller vs. The Stick®</b>  <i>Crista Manley and Christina Ricketts, graduate students, COHP</i> Faculty Sponsor: Susan Stevens, Ph.D.</p> <p>The purpose of this presentation is to portray whether self myofascial release increases short term hamstring extensibility between two methods (The Stick® and foam roller), while examining the ease of use and patient discomfort. The subjects were physically active adults between the ages of 18-30. The study was a pre-test, post-test design to determine whether self myofascial release techniques have a short term effect on hamstring extensibility. Subjects completed a history form, a 5 minute warm-up, straight leg test, and an active knee extension test. This study opens doors to a variety of new research on self myofascial release.</p>
COHP 13	<p><b>Pharmacy Student Knowledge of Drug-Drug Interactions</b>  <i>Ashley Kerr and Laura Rice, graduate students, COHP</i> Faculty Sponsor: Richard Dudley, R.Ph., Ph.D.</p> <p>Drug-drug interactions are a significant cause of patient morbidity and mortality throughout the US. Prompt identification and intervention can improve patient outcomes. This study assessed the ability of pharmacy students at different points in the curriculum to correctly identify the presence and severity of a drug-drug interaction. Data was collected using a survey published by Ko et al. 2008, which contained fourteen drug combinations. Results show that P4 and P5 students correctly identified a given interaction from 8% to 93% of the time. Three of the four contraindicated drug combinations were identified by less than half of surveyed students in each class.</p>
COHP 14	<p><b>Student Pharmacists Increasing Patient Awareness through Cholesterol Screenings</b>  <i>Jenny Mason and Katia Stavole, graduate students, COHP</i> Faculty Sponsor: Lori Ernsthause, Pharm.D.</p> <p>High cholesterol is a major risk factor in developing heart disease, the leading cause of death and disability in the United States. It is recommended that patients have their cholesterol assessed at age twenty and then every five years thereafter. Despite this recommendation, studies show that most individuals under age forty lack proper assessment. Pharmacists and pharmacy students can play an important role in helping patients detect high cholesterol levels, but are underused in lipid management. Pharmacy students conducted community screenings, evaluated patients' cholesterol levels, and educated them on the importance of maintaining appropriate levels. Patient satisfaction with the service provided was assessed.</p>
COHP 15	<p><b>Identifying Patients Who Meet Criteria for a Hyperlipidemia Medication Therapy Management (MTM) Program in an Underserved Population</b>  <i>Stephanie Heather and Maggie Opeka, COHP</i> Faculty Sponsor: Lori Ernsthause, Pharm.D.</p> <p>Hyperlipidemia has been shown to be a significant indicator of cardiovascular morbidity and mortality. Of particular concern is hyperlipidemia amongst a federally recognized indigent, underserved population in Lima, Ohio. Allen County Health Partners (ACHP) was formed in 2002 to address the needs of these patients. ACHP provides several health services which allow for consolidation of electronic patient medical and pharmacy records. Through these electronic records, patients can be identified who meet criteria for diagnosis of hyperlipidemia and who then may be enrolled in a pharmacist-run clinic for intensive management. Identifying and enrolling these patients into a MTM program should allow for optimization of their health outcomes and improved patient safety.</p>

Poster Presentations: 4:00 - 4:30 p.m. (continued)

Poster Presentations

College	Presenters
COHP 16	<p><b>A Clinical Review of Current Methicillin-Resistant Staphylococcus Aureus (MRSA) Infections</b>  <i>Joe Guidos, graduate student, COHP</i> Faculty Sponsor: Bradley Shinn, Pharm.D.</p> <p>The incidence of methicillin-resistant Staphylococcus aureus (MRSA) is increasing at alarming rates nationally and has posed several important questions concerning standard vancomycin therapy. MRSA MICs &gt; 1.5 mcg/mL respond poorly to vancomycin and result in significantly longer hospital stays. An increased MIC is associated with the need for higher vancomycin trough concentrations, which may result in an increased risk of nephrotoxicity, or the use of alternative agents. A literature review has been conducted to provide practitioners with clinically relevant, evidence-based guidelines for the treatment of this serious and costly infection.</p>
COHP 17	<p><b>Ice Immersion and the Effect on Single Leg Postural Stability in Physically Active Individuals with Functional Ankle Instability</b>  <i>Jessica VanTroostenberghe and Yoshiyuki Ono, graduate students, COHP</i> Faculty Sponsor: Susan Stevens, Ph.D.</p> <p>Many injuries sustained in sports are to the ankle. Without adequate treatment and rehabilitation, instability to the ankle can result that leads to functional ankle instability (FAI), which is the tendency of the foot to “give way”. Clinicians are able to address the components of FAI using exercises and treatment options such as cryotherapy. The purpose of this study is to determine if ice immersion effects single leg postural stability in unstable ankles. If single leg postural stability improves, ice immersion could be used to reduce FAI thus allowing the athlete to reach their full potential and overall success.</p>
COHP 19	<p><b>Myers-Briggs Personality Types in Pharmacy Students and Faculty</b>  <i>Travis Plumley and Kenny Mueller, COHP</i> Faculty Sponsor: Sandra Earle, Pharm.D.</p> <p>Myers-Briggs Personality Type has been shown to be helpful in measuring learning style and understanding personal preferences. Pharmacy students and faculty were asked to take an online short form of the Myers-Briggs Personality Type Indicator (MBTI) and self report the results. This group was also asked to take the recognized “Form G” MBTI. The results between the two forms were compared for reliability to ensure the validity of the inexpensive, accessible, short form MBTI. The pharmacy population was compared to other general and health care provider populations. Understanding individual personality types may improve interaction, communication and learning.</p>
COHP 22	<p><b>An Assessment for the Potential of Antibiotics to cause Cytotoxicity in CAKI-1 cells</b>  <i>Gregory Kramp, graduate student, COHP</i> Faculty Sponsor: Richard Dudley, R.Ph., Ph.D.</p> <p>Nephrotoxicity and ototoxicity have been documented with the use of several clinically used antibiotics. We evaluated the potential for vancomycin and gentamicin to cause nephrotoxicity and ototoxicity in vitro. Cytotoxicity was measured via MTT cell viability assay, Annexin-V apoptosis assays, and with immunofluorescence microscopy to show the distribution of vancomycin in the model cell lines derived from human kidney (Caki-1). Our results indicate that an exposure time of 96 hours with various therapeutic and supra-therapeutic concentrations failed to decrease cell viability.</p>
COHP 23	<p><b>Using HEI-OC1 Cells to Assess for Antibiotic-Induced Ototoxicity</b>  <i>Jason Harsanye, graduate student, COHP</i> Faculty Sponsor: Richard Dudley, R.Ph., Ph.D.</p> <p>Ototoxicity has been documented with the use of several clinically used antibiotics. Therefore, we assessed the potential for vancomycin and gentamicin to cause ototoxicity in vitro. Ototoxicity was measured via MTT cell viability assay. HEI-OCI cells were treated with various concentrations of vancomycin and gentamicin. Incubation times for antibiotic exposure were varied to simulate different durations of therapy. Our results indicate that supra-therapeutic concentrations of vancomycin may cause a decrease in cell viability. We plan to perform an Annexin-V assay to test for apoptosis, and utilize immunofluorescence microscopy to determine the potential presence of vancomycin within the cell.</p>
COHP 24	<p><b>An Analysis of the Overall Health Status of the Counties in the State of Ohio</b>  <i>Laura Mako and Kyle Yoder, COHP</i> Faculty Sponsor: Donald Stansloski, R.Ph., Ph.D.</p> <p>The health care in the state of Ohio varies from area to area. By utilizing data from the CDC and other population resources, it is possible to identify which county, within the state of Ohio, is currently suffering the most morbidity and mortality. After the data is collected, it can then be extrapolated to focus on the counties in the state that need the most attention in terms of health care.</p>
COLA 13	<p><b>The North Korean Refugee Situation in China</b>  <i>Ji Hyun Park, graduate student, COLA</i> Faculty Sponsor: Greg Mott</p> <p>Due to the half-century of atrocious dictatorship of Jeong Il Kim, millions of North Korean have been killed. According to a report by North Korea Freedom Coalition, more than 300,000 refugees are residing in China, suffering many human rights violations. This poster presentation will be very meaningful and challenging to college students who would be our next generation's global leaders.</p>

**Poster Presentations: 4:00 - 4:30 p.m. (continued)**

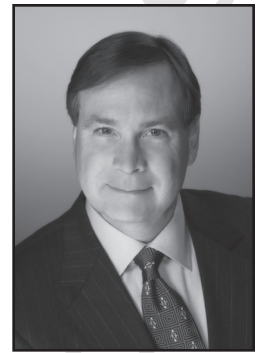
College	Presenters
COLA 14	<p><b>Misperceptions about Japanese Customs</b>  <i>Yodai Kamoshida, graduate student, COLA</i> Faculty Sponsor: Greg Mott</p> <p>When Japanese people talk with foreigners, some Japanese think some foreigners misunderstand about Japan. For example, they make assumptions about the kimono, sumo, Japanese food, and Chinese or Japanese characters. Come learn the truth about the Japanese.</p>
COLA 15	<p><b>Getting to Know the Chinese Language: Chinese Word Evolution</b>  <i>Fang-Yun Lee, graduate student, COLA</i> Faculty Sponsor: Greg Mott</p> <p>Do you know why the Chinese characters look like pictures? That is because Chinese words evolved from daily life. This poster presentation will demonstrate this word evolution.</p>
COLA 16	<p><b>How to Enjoy HANAMI!</b>  <i>Taro Ito, graduate student, COLA</i> Faculty Sponsor: Greg Mott</p> <p>HANAMI is a traditional Japanese custom for enjoying the beauty of flowers. In this case, the flowers are “cherry blossoms.” Most Japanese people call cherry blossoms “Sakura.” Sakura is a symbol that informs the coming of spring. This poster presentation will show you the history and customs of HANAMI.</p>
COLA 17	<p><b>Teaching Music by Comparing Chinese and American Movie music</b>  <i>Tingxuan Li, graduate student, COLA</i> Faculty Sponsor: Greg Mott</p> <p>Students usually feel bored by merely listening and analyzing classical music during music class. However, learning music from certain backgrounds would be more interesting and impressive. One of best ways of that is coming into contact with movies from different cultures. Come learn how movies help us learn the ways music applies to culture, expresses subjects and sets off the theme.</p>
COLA 18	<p><b>Introduction of Japanese Middle School: How Japanese Students Spend their School Day</b>  <i>Narumi Kamei, graduate student, COLA</i> Faculty Sponsor: Greg Mott</p> <p>Do you know what Japanese students are learning from their school? Do you know what subjects they have? You might be surprised, for example, that in Japan, students have a cleaning time every day. They are given specific places to clean in school. Did you do that in your schooldays? This poster will tell you about surprises in the daily schedule of Japanese middle schools, such as subjects, homeroom, time schedule and club activities. You will know about some interesting education styles in Japanese middle schools.</p>
COLA 19	<p><b>Comparing Gender Roles in South Korea: In Marriage and Pre-Marriage</b>  <i>Jiseon Nam, COLA</i> Faculty Sponsor: Greg Mott</p> <p>In South Korea, there are some differences of gender roles between marriage and pre-marriage. Although men have many responsibilities during pre-marriage, their role becomes opposite when they get married. When women get married, their status changes to focus on many things related to household, raising children, and even following a mother-in-law’s orders. Come find out more information about these gender roles.</p>
COLA 27	<p><b>Huey Long: His Political World</b>  <i>Derek Moyer, COLA</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>Huey P. Long and his populist policies and social reform programs, dedicated towards redistribution of wealth, helped him rise to power and fame in Louisiana during The Great Depression. Long has been called radical and his leadership criticized as having dictatorial tendencies. Nevertheless, his ideas and plans for the state helped modernize and further develop its infrastructure. The impact and legacy that he left within Louisiana is steadfast, but did the political world Long create leave a lasting impact on the country as a whole? And can his policy ideas and vision translate into the modern world?</p>
COLA 28	<p><b>Findlay in the Civil War</b>  <i>April Smith, COLA, College Affiliation</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>The focus of this presentation is Findlay’s role in the Civil War. Stories will be told of Findlay soldiers, including the part some took in the famous Andrew’s Raid and various other battles, as well as how Findlay remembers its soldiers today.</p>
COLA 29	<p><b>Effect of Snipers in Battles</b>  <i>Kory Kotterman, COLA</i> Faculty Sponsor: Mark Polelle, Ph.D.</p> <p>The presenter will show how snipers had a big impact on battles starting in World War II and the battles in the future; the presenter will explain how snipers could dampen the morale of soldiers on the other side and help improve the morale of the soldiers on their side.</p>

**Poster Presentations**

## Kevin Moyer

College of Business Alumni Speaker

Kevin Moyer is principal and consultant at Global Pathways LLC, a position he has held since 2007. Moyer received a bachelor of science degree, with honors, from The University of Findlay in 1980 and an executive MBA, also with honors, from Bowling Green State University in 1986. Moyer is a versatile and intuitive international business leader with Fortune 500 expertise and experience in startups, expansions and turnarounds. Prior to joining Global Pathways, Moyer built a 27-year career with Dana Corp., where he advanced to senior-level executive management.



## Barbara Meyers

College of Education Alumni Speaker

Barbara Eakin Meyers graduated from then-Findlay College in 1963 with a bachelor of science degree in elementary education with a music minor. She later completed a master of education degree from the University of Toledo and also did graduate and post graduate work through Bowling Green State University. Meyers taught third and fourth grade for more than 30 years in the Findlay City School system. She currently works for the Ohio Department of Education as a regional coordinator for Praxis III for the West Central and North Central Regions of Ohio through the Auglaize County Education Service Center.



Meyers is a recipient of the Golden Apple Award (1990), a Distinguished Alumna Award from UF (1992) and a Distinguished Associate Award (2002) also from the University. Meyers is involved with the Mazza Enthusiasts on campus and is a member of many community organizations, many of which are education related.

## Dr. Jonathan Davis

College of Sciences Alumni Speaker

Jonathan Davis, D.D.S., was the recipient of the 2006 Old Main Award, which recognizes distinguished accomplishments of alumni aged 35 and younger. Davis graduated magna cum laude from The University of Findlay in 1999 with a bachelor of science degree in biology. He was the recipient of several academic scholarships, served as president of Sigma Pi Fraternity and as Intra-Fraternity Representative, was a four-year varsity letter winner for golf and was a two-year Academic All-American in the National Association of Intercollegiate Athletics. He went on to earn a doctorate in dentistry in 2004 at The Ohio State University School of Dentistry, where he was a member of the Delta Sigma Delta dental fraternity and served as Interprofessional Council Representative.



Capt. Davis has served active duty with the U.S. Army. His Army service included three years as 1st Brigade Dental Surgeon, based at Ft. Stewart, Ga., and a 12-month tour of duty in Iraq, where he provided dental work for soldiers in his unit as well as humanitarian work within the city. During his service, he earned the Bronze Star, awarded for “exceptionally meritorious service” for keeping 69 soldiers from having to be medically evacuated by performing emergency dental procedures for them. He also received the Iraqi Campaign Medal, National Defense Medal, Global War on Terrorism Medal and Army Service Medal.

## Dr. Barbara Piper

College of Health Professions Alumni Speaker

Dr. Barbara Piper began her career in physical therapy 30 years ago after graduating from Miami-Dade Community College with an associate's degree in physical therapy. In 1998, she graduated from The University of Findlay with a bachelor's degree in physical therapy and a certificate in gerontology. Piper attended the University of Cincinnati while working on her prerequisites for admission to The University of Findlay. While at the University of Cincinnati, Piper was named Physics Student of the Year and became a member of the Phi Theta Kappa Honor Society. In 2008, Piper earned a doctor of physical therapy degree from Boston University.



Piper is a member of the American Physical Therapy Association (APTA) with related memberships in the Ohio Chapter, Geriatric section and Home Care Section. She is a clinical instructor and a mentor for the APTA. Piper's interests in geriatrics lead to her being nationally recognized by the Geriatric Section of the APTA in 1993. Over the past thirty years, her career has focused on geriatrics within the home care setting with intermittent roles in management. Piper is currently district supervisor for the Visiting Nursing Association of Greater Cincinnati.

# Invited Speakers

## Dr. Marc Sweeney

College of Pharmacy Speaker

Dr. Marc A. Sweeney received a bachelor of science in pharmacy degree from Ohio Northern University and received a doctor of pharmacy degree from The Ohio State University. He completed an Academic Leadership Fellowship at the Ohio University College of Osteopathic Medicine. Sweeney also completed a master of divinity degree from Southwest Bible College and Seminary.



Sweeney is currently an associate professor and chair of pharmacy practice at The University of Findlay, College of Pharmacy. He is also a consultant pharmacist for Greg's Long Term Care Pharmacy. He was previously the director of experiential programs and associate professor at Ohio Northern University. He also is the past president of the Ohio Pharmacists Association (OPA). He is one of the founders and previous board member of the Findlay Area Pharmacy Association. He currently is the chair of the OPA Disease State Management Taskforce and a board member of the Ohio Chapter of the American Society of Consultant Pharmacists. He also previously served on the board of trustees for the Ohio Pharmacists Association and the Centers for Osteopathic Research and Education.

Sweeney has published several articles pertaining to pharmacy practice and has made many presentations to healthcare professionals and the general community. He has implemented pharmacy practices in physician offices and has participated in the development of disease state management programs in various institutions and pharmacies. He continues to be involved with research in pharmacy practice, pharmacy education and patient safety. He is currently the co-principal investigator for an Ohio Patient Safety Research Project in partnership with Ohio University.

## Greg Denecker

College of Liberal Arts Alumni Speaker

Greg Denecker attended The University of Findlay on a basketball scholarship. At UF, he enjoyed a strong academic and athletic career where he received honors as Social Science Student of the Year (1994), Student Athlete of the Year (1994) and GTE Academic All-American Scholar Athlete (1994). After graduating magna cum laude in 1994, Denecker went on to teach social studies and coach varsity boys' basketball at Allen East High School. During his five years at Allen East, Denecker obtained his master's degree in educational administration and his principal's certificate from Bowling Green State University. He then returned to UF to complete the necessary course work in order to obtain his superintendent's license. From 1999-2000, Denecker was principal at Arcadia High School. In 2000, he was named high school principal at Bluffton Exempted Village Schools—a position he held until June 2007 when he was named superintendent of the Bluffton School District. The University of Findlay honored Denecker in 2004 by inducting him into its Athletic Hall of Fame.



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Everly, Sarah	COLA34	1:15-1:35	Main 213
Fava, Holly	COS12	3:45-4:05	Main 301
Feick, Katrina	COLA1	1:15-1:35	Main 301
Fennema, Mike	COB23	4:00-4:30	WTS 1st Floor Atrium
Fenton, Joshua	COLA25	2:45-3:05	Ritz
Foster, Jeremy	COS3	1:45-2:05	Main 301
Garner, Megan	COB17	3:45-4:05	Main 203
Gilbert, Caitlin	COB3	2:45-3:40	AMU Atrium
Gluckin, Roger	COE1	2:45-3:05	Main 212
Gompers, Maggie	STC	1:15-4:30	AMU Endly Room
Gordon, Tanya	COLA12	2:45-3:05	Main 308
Guagenti, John	COB23	4:00-4:30	WTS 1st Floor Atrium
Guidos, Joe	COHP16	4:00-4:30	WTS 1st Floor Atrium
Guter, Robin	COHP1	4:00-4:30	WTS 1st Floor Atrium
Halcomb, Amanda	COHP11	3:15-3:35	Main 308
Hale, Alex	COLA3	1:15-1:35	Main 202
Hale, Alex	COB8	2:45-3:05	Main 216
Hammond, Rachel	COS24	4:00-4:30	WTS 1st Floor Atrium
Hanke, Rachel	COB8	2:45-3:05	Main 216
Harsanye, Jason	COHP23	4:00-4:30	WTS 1st Floor Atrium
Harvey, Greg	COHP6	4:00-4:30	WTS 1st Floor Atrium
Heather, Stephanie	COHP15	4:00-4:30	WTS 1st Floor Atrium
Heichel, Cloudette	COLA20	1:45-2:05	Main 202
Heydinger, Stephanie	COB5	2:45-3:05	Main 213
Higgins, Sarah	COS26	4:00-4:30	WTS 1st Floor Atrium
Hindall, Alicia	COHP4	3:15-3:35	Main 305
Hoerner, Jeff	COE3	4:00-4:30	WTS 1st Floor Atrium
Houser, Adam	COLA21	2:45-3:05	Main 305
Houser, Adam	COLA32	1:45-2:05	Main 213
Hyde, Alysha	COS19	4:00-4:30	WTS 1st Floor Atrium
Ito, Taro	COLA16	4:00-4:30	WTS 1st Floor Atrium
Jackson, Emily	COB3	2:45-3:40	AMU Atrium

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Jathan, Swapna	COB15	3:15-3:35	Main 212
Kamei, Narumi	COLA18	4:00-4:30	WTS 1st Floor Atrium
Kamoshida, Yodai	COLA14	4:00-4:30	WTS 1st Floor Atrium
Katepally, Shamini	COB13	2:45-3:05	Main 300
Keene, Erica	COS2	3:45-4:05	Main 216
Kenney, Candice	COB3	2:45-3:40	AMU Atrium
Kerr, Ashley	COHP13	4:00-4:30	WTS 1st Floor Atrium
Kerzisnik, Kaitlyn	COLA8	1:15-1:35	Main 203
Koch, Charles	STC	1:15-4:30	AMU Endly Room
Kolisetty, Kavya	COS14	1:45-2:05	Main 305
Kontur, Kelly	COS26	4:00-4:30	WTS 1st Floor Atrium
Kotterman, Kory	COLA29	4:00-4:30	WTS 1st Floor Atrium
Kovisto, Analiese	COLA1	1:15-1:35	Main 301
Kramp, Gregory	COHP22	4:00-4:30	WTS 1st Floor Atrium
Kucko, Mark	COS30	1:15-1:35	Main 300
Kuflewski, Ashley	COS13	4:00-4:30	WTS 1st Floor Atrium
Lauer, Rebecca	COS4	4:00-4:30	WTS 1st Floor Atrium
Lauer, Stefanie	COLA1	1:15-1:35	Main 301
Lauger, Casey	COB1	2:15-2:35	Main 213
Lauger, Casey	COB4	3:45-4:05	Main 213
Lauger, Casey	COB5	2:45-3:05	Main 213
Lee, Fang-Yun	COLA15	4:00-4:30	WTS 1st Floor Atrium
Lemle, Jenna	COS24	4:00-4:30	WTS 1st Floor Atrium
Lessig, Dayna	COS11	3:45-4:05	Main 300
Lessig, Dayna	STC	1:15-4:30	AMU Endly Room
Li, Tingxuan	COLA17	4:00-4:30	WTS 1st Floor Atrium
Liu, Hanqing	COB23	4:00-4:30	WTS 1st Floor Atrium
Lord, Melissa	COS28	4:00-4:30	WTS 1st Floor Atrium
Lussier, Shannon	COB8	2:45-3:05	Main 216
MacGillis, Eric	COHP18	3:45-4:05	Main 308
Madan, Shaileshkumar	COB22	3:15-3:35	Main 312
Mako, Laura	COHP24	4:00-4:30	WTS 1st Floor Atrium
Mangalam, Sowmya	COB20	3:45-4:05	Main 212
Manley, Crista	COHP12	4:00-4:30	WTS 1st Floor Atrium
Manley, Robert	COS5	1:15-1:35	Main 209
Marshman, Danielle	COLA11	2:15-2:35	Main 305
Mason, Jenny	COHP14	4:00-4:30	WTS 1st Floor Atrium
Maurer, Laura	COLA7	2:45-3:05	Main 209
McAuliffe, Patrick	COHP21	1:15-1:35	Main 308
Mellott, Michelle	COHP1	4:00-4:30	WTS 1st Floor Atrium
Mercer, Lauren	COB3	2:45-3:40	AMU Atrium
Morar, Sarah	COS16	4:00-4:30	WTS 1st Floor Atrium
Morgan, Elizabeth	COLA22	2:15-2:35	Main 202
Moyer, Derek	COLA27	4:00-4:30	WTS 1st Floor Atrium
Mueller, Kenny	COHP19	4:00-4:30	WTS 1st Floor Atrium
Nadolny, Nicole	COHP5	4:00-4:30	WTS 1st Floor Atrium
Nagabhyrava, Suveera	COB10	3:15-3:35	Main 203
Nam, Jiseon	COLA19	4:00-4:30	WTS 1st Floor Atrium
Neelam, Shravani	COB11	3:15-3:35	Main 209
Ono, Yoshiyuki	COHP17	4:00-4:30	WTS 1st Floor Atrium
Opeka, Maggie	COHP15	4:00-4:30	WTS 1st Floor Atrium
Overman, Tessa	COHP10	4:00-4:30	WTS 1st Floor Atrium
Palmer, Scott	COLA26	2:45-3:05	Main 202
Parikh, Kunal	COB23	4:00-4:30	WTS 1st Floor Atrium
Park, Ji Hyun	COLA13	4:00-4:30	WTS 1st Floor Atrium
Parmar, Prakashsinh	COB21	3:15-3:35	Main 213
Pearl, Jana	COS19	4:00-4:30	WTS 1st Floor Atrium
Pendurthi, Setu	COS25	4:00-4:30	WTS 1st Floor Atrium
Perry, Lisa	COS4	4:00-4:30	WTS 1st Floor Atrium
Pesato, Michael	COS12	3:45-4:05	Main 301
Plumley, Travis	COHP19	4:00-4:30	WTS 1st Floor Atrium
Popkowski, Iwona	COS23	1:45-2:05	Main 212
Popkowski, Iwona	COS32	4:00-4:30	WTS 1st Floor Atrium
Porto, Michael	COS9	1:45-2:05	Main 300
Ragland, Lisa	COLA24	2:15-2:35	Main 312
Ramachandrapurapu, Vamsi Krishna	COS25	4:00-4:30	WTS 1st Floor Atrium
Reinhart, Max	COLA25	2:45-3:05	Ritz
Rice, Laura	COHP13	4:00-4:30	WTS 1st Floor Atrium
Ricker, Emily	COS12	3:45-4:05	Main 301

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Riddle, Laura	COHP8	4:00-4:30	WTS 1st Floor Atrium
Ridings, Kora	COS3	1:45-2:05	Main 301
Roach, Cassandra	COHP8	4:00-4:30	WTS 1st Floor Atrium
Rohal, Danielle	COS2	3:45-4:05	Main 216
Romick, Nadine	COLA10	1:15-1:35	Main 312
Rothenbuhler, Ryan	STC	1:15-4:30	AMU Endly Room
Roush, Katie	COLA1	1:15-1:35	Main 301
Rufe, Rachael	COHP4	3:15-3:35	Main 305
Schmitz, Brian	COHP1	4:00-4:30	WTS 1st Floor Atrium
Shahiwala, Kirat	COHP3	4:00-4:30	WTS 1st Floor Atrium
Shahiwala, Kirat	COS4	4:00-4:30	WTS 1st Floor Atrium
Silveus, Aaron	COS29	4:00-4:30	WTS 1st Floor Atrium
Sizemore, Joy	COS15	1:15-1:35	Main 216
Slyter, Austin	COS24	4:00-4:30	WTS 1st Floor Atrium
Smith, April	COLA28	4:00-4:30	WTS 1st Floor Atrium
Smith, Stephanie	STC	1:15-4:30	AMU Endly Room
Snyder, Mel	COB5	2:45-3:05	Main 213
St Cyr, Jacki	COLA12	2:45-3:05	Main 308
Stanley, Pdraic	COLA12	2:45-3:05	Main 308
Starkey, Charles	COS18	1:15-1:35	Main 212
Stavole, Katia	COHP14	4:00-4:30	WTS 1st Floor Atrium
Steffenhagen, Nikki	COLA12	2:45-3:05	Main 308
Steiner, Doug	COS27	4:00-4:30	WTS 1st Floor Atrium
Stelter, Jim	COS5	1:15-1:35	Main 209
Sterrett, Amanda	COS26	4:00-4:30	WTS 1st Floor Atrium
Strooth, Desmond	COLA32	1:45-2:05	Main 213
Stultz, Amy	COE5	4:00-4:30	WTS 1st Floor Atrium
Terrell, Adrianna	COLA31	2:15-2:35	Main 209
Tippie, Miranda	COE2	3:15-3:35	Main 300
Towers, Carla	COLA33	1:15-1:35	Main 305
Tsai, Meng Chun	COLA4	1:45-2:05	Main 203
Umin, Tiffany	COLA34	1:15-1:35	Main 213
Umlauf, Jamie	COS22	4:00-4:30	WTS 1st Floor Atrium
Vales, Cory	COB23	4:00-4:30	WTS 1st Floor Atrium
Vallala, Shravan	COS21	4:00-4:30	WTS 1st Floor Atrium
VanTroostenberghe, Jessica	COHP17	4:00-4:30	WTS 1st Floor Atrium
Vegh, Katie	COB3	2:45-3:40	AMU Atrium
Vemula, Arjun	COB18	3:45-4:05	Main 209
Vijay, Bindya	COB19	3:45-4:05	Main 312
Wagner, Amanda	COS4	4:00-4:30	WTS 1st Floor Atrium
Wagner, Nicole	COE4	2:15-2:35	Main 212
Waite, Laura	COS17	4:00-4:30	WTS 1st Floor Atrium
Warner, Lynn	COHP5	4:00-4:30	WTS 1st Floor Atrium
Weber, Jonathan	COS6	1:45-2:05	Main 209
Welenc, Kimberly	COLA24	2:15-2:35	Main 312
Whipple, Travis	COB16	3:45-4:05	Main 202
White, Craig	COLA23	1:45-2:05	Main 312
White, Nicholas	COS6	1:45-2:05	Main 209
Wiles, Melissa	COS28	4:00-4:30	WTS 1st Floor Atrium
Wise, Carolyn	COS23	1:45-2:05	Main 212
Wise, Carolyn	COS32	4:00-4:30	WTS 1st Floor Atrium
Wise, Laisha	COLA1	1:15-1:35	Main 301
Wolford, Amanda	COHP4	3:15-3:35	Main 305
Wood, Bradley	COS18	1:15-1:35	Main 212
Worden, Cora	COLA1	1:15-1:35	Main 301
Wright, Kyle	COS16	4:00-4:30	WTS 1st Floor Atrium
Yarger, Megan	COS31	4:00-4:30	WTS 1st Floor Atrium
Yata, Padmavathi	COB14	2:45-3:05	Main 301
Yoder, Kyle	COHP24	4:00-4:30	WTS 1st Floor Atrium
Ziegler, Josh	COLA32	1:45-2:05	Main 213