Scholars Day 8th Annual Showcase of Student Academic Achievement

Monday, April 30, 2012
Scholars Day

Schedule

2-2:45 P.M.
Registration
Harold Walter Siebens Forum

2:45 P.M.
Group photo
at the east entrance of Harold Walter Siebens Forum

3 P.M.
Keynote address
Jason Hillman SL’06
Anderson Auditorium

4 P.M.
Verbal presentations
Harold Walter Siebens Forum Rooms,
presentations start every 20 minutes from 4-6 p.m.

6 P.M.
Dinner
Dows Grand Ballroom

7-8:30 P.M.
Poster presentations and dessert
Harold Walter Siebens Forum foyer

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## Verbal Presentations Schedule

Presentations begin every 20 minutes, with the exception of the Beaver Business Plan Competition presentations, which start every 15 minutes.

Most verbal presentations are grouped together by subject area:

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### 4 p.m.

**Forum Room 2 (History):**

**Creation of a Master Race: The Hitler Youth**  
by Jennifer Jacobs; faculty sponsor: Dr. William Feis

**Forum Room 3 (Cultural Studies):**

**Glossy Advice: Love Advice in Women’s Magazines**  
by Erika Garcia; faculty sponsor: Dr. Gwen Hart

**Forum Room 4 (Science):**

**Triclosan Concentrations and Bacterial Resistance in Iowa Agricultural Fields**  
by Carina Allen; faculty sponsor: Dr. Melinda Coogan

**Forum Room 5 (Arts):**

**“Picture Perfect”**  
by Clair Lynn; faculty sponsor: Dr. Bruce Ellington

**Forum Room 7B (Science):**

**Color Perception in Drosophila melanogaster**  
by Serena Geisinger and Molly Urness; faculty sponsor: Dr. James Hampton

**Hansen 8 (Mixed Disciplines):**

**Global Sustainability and the Chile OMORA Project: Resource Conservation, Watershed Protection, and Etymology of Earth as Home** (verbal and poster)  
by Laura Paggi, Makennie Brown, Kayla Hartmann, Tesia Posekany, Stephanie Pfeirrmann, and Jennifer Welch (2011-2012 Global Fellows); faculty sponsors: Dr. Melinda Coogan and Dr. James Hampton

**Forum Room 9 (Law & Order):**

**BVU Mock Trial**  
by Ronald Forsell, Lauren Whitt, and Elizabeth Heffernan; faculty sponsor: Professor Lisa Best

**Forum Room 10 (Athletics & Games):**

**Are Gamers Predictable?**  
by Zach Lorenzen; faculty sponsor: Professor Timothy McDaniel

**Johnson-Cairnes (Business & Education):**

**Is the Stock Market Efficient?**  
by Griffin Hatten; faculty sponsor: Professor Henry Hardt

### 4:20 p.m.

**Forum Room 2 (History):**

**“A Weapon of Such Possibilities”: Truman’s Decision on Dropping the Atomic Bomb**  
by Ryan Marzen; faculty sponsor: Dr. William Feis

**Forum Room 3 (Cultural Studies):**

**Love and Sex with a Side of Death: Examining the Relationships on the Television Show Bones**  
by Alexandra Marcel; faculty sponsor: Dr. Gwen Hart

**Forum Room 4 (Science):**

**Stress, Alcohol, and Drugs: Effects on the Longevity of Caenorhabditis Elegans**  
by Miguel Munoz-Gomez, Tyler Harm, Brooke Wehle; faculty sponsor: Dr. James Hampton

**Forum Room 5 (Arts):**

**Beautiful Mentality: A Musical**  
by Jacob Pedersen and Kylie Peterson; faculty sponsor: Dr. Bethany Larson

**Forum Room 7B (Science):**

**Use of Cladophora spp. to purify freshwater systems and produce biodiesel on a laboratory scale**  
by Kimberly Perez; faculty sponsor: Dr. Melinda Coogan

**Hansen 8 (Mixed Disciplines):**

**How Personality Effects Learning in English Language Learners**  
by Katie Noll; faculty sponsor: Dr. Katya Koubek

**Forum Room 9 (Law & Order):**

**BVU Mock Trial (continued; begins at 4:00)**  
by Ronald Forsell, Lauren Whitt, and Elizabeth Heffernan; faculty sponsor: Professor Lisa Best

**Forum Room 10 (Athletics & Games):**

**BVU Stat Trac**  
by Shane Hallengren and Clark Kubis; faculty sponsor: Professor Jason Shepherd

**Johnson-Cairnes (Business & Education):**

**Retirement Investment Solutions: Considered Any Lately?**  
by Kyle Hibbing; faculty sponsor: Professor Henry Hardt

Verbal presentations continued on next page
4:40 p.m.
Forum Room 2 (History):
Insights Into the Armenian Genocide
by Tyler McDanel; faculty sponsor: Dr. William Feis

Forum Room 3 (Cultural Studies):
A Symbol of Love, a Promise of Devotion ... and a Proposal from the Media? Engagement Portrayals in Online Jewelry Store Education Centers
by Stephanie Puhrmann; faculty sponsor: Dr. Gwen Hart

Forum Room 4 (Science):
Generation of Transgenic Caenorhabditis Elegans by Different Transformation Methods
by Shane Clune; faculty sponsor: Dr. James Hampton

Forum Room 5 (Arts):
Japan and the West: International Connections as shown through Art
by Nicole Noe; faculty sponsor: Dr. Dixee Bartholomew-Feis

Forum Room 7B (Science):
The Detection and Identification of S-Nitrosylated Proteins
by Keith L. Johnson; faculty sponsor: Dr. Lisa Mellmann

Forum Room 9 (Law & Order):
The Effects of Bullying on Adolescent Depression and Anxiety
by Sophia Haselhoff; faculty sponsor: Dr. Jeanne Tinsley

Forum Room 10 (Athletics & Games):
Managing Chronic Lymphedema in a Collegiate Volleyball Player
by Jessica Kelly and Katie Schelle;
faculty sponsor: Professor Danelle Smith

Johnson-Cairnes (Business & Education):
Discover Your Inner Disney: How to Apply Walt Disney’s Storytelling Strategies to Everyday Life
by Mary Jane Ferguson and Bri Funte;
faculty sponsors: Professor Jerry Johnson and Professor Henry Hardt

5 p.m.
Forum Room 2 (History):
Unit 731: Human Experimentation and the American Cover-up
by Whitney Nelson; faculty sponsor: Dr. Dixee Bartholomew-Feis

Forum Room 3 (Cultural Studies):
I Married My Best Friend: Love Prescriptions Illustrated by Chandler and Monica on Friends
by Shelby Ripperger; faculty sponsor: Dr. Gwen Hart

Forum Room 4 (Science):
Uncovering the Antioxidant Properties of Proline in Yeast
by Michael Dirkx; faculty sponsor: Dr. Brian Lenzmeier

Forum Room 5 (Arts):
Constrained
by Kathryn Van Zante; faculty sponsor: Professor David Boelter

Forum Room 7B (Science):
The Effects of Prenatal Triclosan Exposure in Mice
by Julia Rust and Misty Bruhn;
faculty sponsors: Dr. Melinda Coogan and Dr. Kristy McClellan

Hansen Room 8 (Mixed Disciplines):
Gleeadership
by Catherine Rubino; sponsor: Becka Neary-DeLaPorte

Forum Room 9 (Law & Order):
Innocence Project – Case Review #1
by Rachel Bassich, Thomas Hengeveld, and Erica Ocker;
faculty sponsor: Dr. Neal McNabb

Forum Room 10 (Athletics & Games):
Managing Chronic Lymphedema in a Collegiate Volleyball Player
by Jessica Kelly and Katie Schelle;
faculty sponsor: Professor Danelle Smith

Johnson-Cairnes (Business & Education):
Disney In The Elementary Classroom
by Kayla Hartgers and Amanda Swanson;
faculty sponsors: Professor Jerry Johnson and Professor Henry Hardt

Verbal presentations continued on next page
5:20 p.m.
Forum Room 2 (History):
Autopsy of an Audit: How Log-Rolling and Interest Groups Killed H.R. 1207
by Ronald Forsell and Seth Lindokken; faculty sponsor: Dr. Brad Best

Forum Room 3 (Cultural Studies):
The Anatomy of Love: An Analysis of the Love Myths Presented on Grey's Anatomy
by Jessica Thoma; faculty sponsor: Dr. Gwen Hart

Forum Room 4 (Science):
effects of Chromosome Number on the Morphology of Plant Cells
by Alex Paine; faculty sponsor: Dr. James Hampton

Forum Room 5 (Arts):
Uncomfortable Dialogue of Submission
by LeeReyna Lopez Leyva; faculty sponsor: Professor Mary Mello-Nee

Forum Room 7B (Science):
The effects of Triclosan, an androgen mimicking compound, on aggressive behaviors and development
by Mitch Brunick and Grant Wilson;
faculty sponsors: Dr. Melinda Coogan and Dr. Kristy McClellan

Hansen Room 8 (Mixed Disciplines):
“Sticks and Stones May Break My Bones and the N’word Will Always Hurt Me”: A Case Study
by Jarael Akeem Madyun; faculty sponsor: Dr. Elizabeth Lamoureux

Forum Room 9 (Law & Order):
Innocence Project – Case Review #2
by Lauren Whitt, Austin Baker, Elizabeth Heffernan;
faculty sponsor: Dr. Neal McNabb

5:40 p.m.
Forum Room 2 (History):
Redefining Marriage and Race in the United States: Loving v. Virginia
by Lindsey R. Peterson; faculty sponsor: Dr. William Feis

Forum Room 3 (Cultural Studies):
So You Think You Can Love: An Analysis of the Relationships Portrayed on So You Think You Can Dance
by Gwendolyn Walton; faculty sponsor: Dr. Gwen Hart

Forum Room 4 (Science):
Oxytocin Responses to Volunteer Work: Hormone Reveals Motives?
by Grace Sullivan; faculty sponsor: Dr. James Hampton

Forum Room 5 (Arts):
Making Music Visual
by Anne Young; faculty sponsor: Professor Mary Mello-Nee

Forum Room 7B (Science):
Is there a link between sterility and mating behaviors in Drosophila melanogaster?
by Caitlin Hof; faculty sponsor: Dr. Kristy McClellan

Hansen Room 8 (Mixed Disciplines):
Facebook and the hiring process: What's the writing on your Wall tell potential employers?
by Sadie Quist; faculty sponsor: Dr. Elizabeth Lamoureux

Forum Room 9 (Law & Order):
Does Religion Have a Prayer in the Workplace?
by Shelby Bleeker; faculty sponsor: Dr. Joni Anderson

Presentation Schedule for the Beaver Business Plan Competition
Forum Room 1 • presentations start every 15 minutes • Faculty sponsor: Dr. Kihwan Kim

4 p.m.
FastBreak
by Durant Freeman, Jr.

4:15 p.m.
Bighorn Wine & Spirits LLP
by Thomas Hill and Joseph Pearson

4:30 p.m.
Redemption Records
by Austin Ebner and Josh Belko

4:45 p.m.
School Sports
by Anthony Hunt

5 p.m.
Balin' Beavers
by Nathan Schumann and Alan Bladt

5:15 p.m.
Amore Wedding Planning
by Maria Vieyra

5:30 p.m.
Jake's Tire
by Jacob Karisto

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A Defense of Robert McKim’s Critical Stance
by Brian Broll; faculty sponsor: Dr. Laura Bernhardt

Cognitive Dissonance and Study Behavior
by Steven Larson; faculty sponsor: Dr. Robert Blodgett

A Mother’s Struggle: Keeping the Line of Communication Open During Postpartum Depression
by Liz Cooney; faculty sponsor: Dr. Elizabeth Lamoureux

Color Perception in Drosophila melanogaster
by Ganza Prince Dukuze, Molly Urness; faculty sponsor: Dr. James Hampton

A study on the effects of Lagenophrys discoidea on ostracods in a northwest Iowa fen
by Marc Legge, Emily Gutschehenritter, and Stefan Petersen; faculty sponsor: Dr. Richard Lampe

Do I Know You?: Roles, Accuracy, and Time in Close Relationships
by Alexandra Mareck; faculty sponsor: Dr. Jeanne Tinsley

A Systematic Review of Barefoot Versus Shod Running
by Kale Songy; faculty sponsor: Dr. Matt Hanson

Effects of Nitrate and Atrazine on Life Stages of Rana catesbeiana
by Aaron Brewer and Kirsten Brown; faculty sponsor: Dr. Melinda Coogan

Adolescent Alcohol Use and Parenting Styles
by Megan Vogt; faculty sponsor: Dr. Bob Blodgett and Dr. Jeanne Tinsley

Effects of Positive vs. Negative Expectations on Perceptions of Beer
by Meg Christians; faculty sponsor: Dr. Jeanne Tinsley

Alcohol Consumption: American versus Indian Undergraduate College Students
by Navneet Sandha; faculty sponsor: Dr. Wind Goodfriend

Eye Witness Testimony: Is it Accurate?
by Erica Ocker; faculty sponsor: Dr. Jeanne Tinsley

Ammonia Concentration Levels in Snow Following Volatilization and Migration from Concentrated Animal Feeding Operations (CAFOs) in Northwest Iowa
by Lacie Drennan and Ryan Wuebker; faculty sponsor: Dr. Melinda Coogan

Eyewitness Testimonies: How Accurate Are Line Up Identifications?
by Melanie Kopaska; faculty sponsor: Dr. Jeanne Tinsley

An Inside Look at Education of International Students at BVU
by Alyssa Evers, Euna Gil, Teresa Gonzalez, Yun-Ching Hsu, Molly Lorenz, Miyu Sato, Megan Schroeder, Lia Schulte; faculty sponsor: Dr. Katya Koubek

Facebook: An Identity Defining a Society
by Meg Christians; faculty sponsor: Dr. Annamaria Elsden

Facial Expression and Lying
by Sophia Hazleboff; faculty sponsor: Dr. Jeanne Tinsley

Antibiotic synergism and antagonism by the skin bacterium Staphylococcus epidermidis
by Jacklyn Johnson and Tanner Urich; faculty sponsor: Dr. Brian Lenzmeier

Fruit Flies and Fornication: Designing a lab for Biology 385
by Caitlin Hof; faculty sponsor: Dr. Kristy McClellan

Behavioral Assay Gender in Laboratory Mice
by Diana Odei; faculty sponsor: Dr. Jeanne Tinsley

Gender Differences in Characteristics Desirable in Long-term and Short-term Partner
by Michaela Haley; faculty sponsor: Dr. Jeanne Tinsley

Bias, Reliability, and Construction of Police Lineups: An Analysis of the Process of Identifying Suspects
by Jacob Ras; faculty sponsor: Dr. Jeanne Tinsley

Gender Differences in Juvenile Fighting, Binge Drinking, and Drug Use
by Tony Graziano; faculty sponsor: Dr. Neal McNabb

by Tyler Harm, Miguel Munoz-Gomez, Andrew Schanbacher, Brooke

Generation of Transgenic Caenorhabditis Elegans by
Different Transformation Methods  
by Arinda Abbuhl and Chad Francis;  
faculty sponsor: Dr. James Hampton

Global Sustainability and the Chile OMORA Project: Resource Conservation, Watershed Protection, and Etymology of Earth as Home (verbal and poster)  
by Laura Page, Makenzie Brown, Kayla Hartmann, Tesia Posekany, Stephanie Puhmann, and Jennifer Welch (2011-2012 Global Fellows); faculty sponsors: Dr. Melinda Coogan and Dr. James Hampton

How did Arthur Andersen’s audit of Enron lead to the failure of Andersen and impact U.S. auditing principles?  
by Dustin Dobbelts and Stella Rutabana; faculty sponsor: Dr. Sue Cullers

If It Doesn’t Say You Can’t, Then You Can!  
by Peter Winterton; faculty sponsor: Dr. Karin Strohmyer

Interpersonal Communication in Romantic Couples: Gender Differences in Reactions to Conflict  
by Eloisa Estrada; faculty sponsor: Dr. Wind Goodfriend

Introducing Commercial Flowers into Tissue Culture for Further Genetic Alterations  
by Allison Kirchgatter; faculty sponsor: Dr. James Hampton

Is Mentoring Beneficial to Children In and Out of the Classroom?  
by Amber Woodford; faculty sponsor: Dr. Jeanne Tinsley

Is one of the top four accounting firms following in Arthur Anderson’s footsteps?  
by Bobbi Nowlin and Erika Rosiles; faculty sponsor: Dr. Sue Cullers

Isolating Staphylococcus aureus from the Lamberti Recreation Center  
by Tom Snyder; faculty sponsor: Dr. Brian Lenzmeier

Let There Be Light: Introducing Bioluminescence to the Plant Kingdom  
by Henrique Batistti, Allison Kirchgatter, Christopher Renihan, and Amanda Roder; faculty sponsor: Dr. James Hampton

Lexigram-Based Language Primer for Android  
by Thomas Fitzgerald; faculty sponsor: Dr. Kenneth Schweller

Memory and Multi-Tasking: How Distraction Affects Views of Bullying  
by Ayana Bolton, Gladiola Esparrza, Johnathan Keane, and Navneet Sandha; faculty sponsor: Dr. Wind Goodfriend

Metabolism and Cancer: Let’s Not ROS to Judgment  
by Nicholas Maxwell and Kylie Woodley; faculty sponsor: Dr. Brian Lenzmeier

Mindfulness in Teens: Effects of Single Session Mindfulness on School Aged Children  
by Cassandra Sinclair; faculty sponsor: Dr. Wind Goodfriend

Minotaur on Android  
by Carlos Alberto Rivadeneyra Salcedo; faculty sponsor: Dr. Kenneth Schweller

My memoir  
by Risa Putnam; faculty sponsor: Dr. Julie Pal-Agrawal

Neuro-linguistic Programming: A Validation Study of Helm’s Eye Movement Questionnaire  
by Erika Garcia; faculty sponsor: Dr. Jeanne Tinsley

Observations of a natal den of North American Badger, Taxidea taxus  
by Scott Radke and Jason Krummel; faculty sponsor: Dr. Richard Lampe

Prairie in a Petri Dish: Mutagenesis of Prairie Plants  
by Tesia Posekany, Alex Paine and Robert Kestel; faculty sponsor: Dr. James Hampton

Predicted Reactions to Relationship Dissolution  
by Kendra Bucheli, Cassandra Sinclair and Navneet Sandha; faculty sponsor: Dr. Wind Goodfriend

Project OUTReach: Infusing problem-solving and creativity into a middle school program through student-driven service learning  
by Myriah Noble; faculty sponsor: Dr. Karin Strohmyer

Recidivism Probability in Iowa: An econometric analysis  
by Robert Masunzu; faculty sponsor: Professor Timothy McDaniel

Representations of Crime and Violence in Walt Disney Movies  
by Jennifer Welch; faculty sponsor: Dr. Stephanie Hays

Romance in the Mind: Theory of Mind and Gender Differences in Sophie Kinsella Fiction  
by Eloisa Estrada; faculty sponsor: Dr. Steven Mills

Screening Herbs for Antibacterial Properties – Thyme for Myrrh  
by Brittnay Donn; faculty sponsor: Dr. Brian Lenzmeier

Self-Regulation and Happiness  
by Melanie Boyen, Austin Baker, Alexandra Marced, Erik Murphy, Diana Odei, Laura Page, Cassandra Sinclair, Megan Vogt; faculty sponsor: Dr. Wind Goodfriend

Should I Eat It or Not?: Determining the Effects of Media and Self-regulation on Resistance to Temptation  
by Melanie Boyen; faculty sponsor: Dr. Jeanne Tinsley

Poster presentations continued on next page
Some Integral Mean Value Theorems and Related Topics  
by Jessica Christensen; faculty sponsor: Dr. Nasser Dastrange

Tax Policies Concerning the 2012 Election  
by Megan Lytle;  
faculty sponsors: Professor Henry Hardt and Professor Beth Blankers

The ABC's of Videogame Effects: Affective, Biological, and Cognitive Effects of Videogame Play  
by Zach King and Grace Sullivan;  
faculty sponsor: Dr. Wind Goodfriend

The Effects of Controlling Nonverbal Intimacy  
by Grace Sullivan; faculty sponsor: Dr. Wind Goodfriend

The Effects of Retention Interval, Encoding and Activation on the Retrieval Effect  
by Jessica Christensen, Sasha Boytsenyuk, Eloisa Estrada, Michaela Haley, Laura Page, and Cassandra Sinclair;  
faculty sponsor: Dr. Bob Ferguson

The Effects of Various Agents on Lysozyme Activity  
by Serena Geisinger; faculty sponsor: Dr. Brian Lenzmeier

The Evolution of Bacteria Repeatedly Exposed to Ultraviolet Radiation  
by Alex Davis, Brennan Holm, and Tyler Lefeber;  
faculty sponsor: Dr. Brian Lenzmeier

The influence of misogynistic lyrics on love perceptions and acceptance of relationship abuse  
by Xochitl de Anda; faculty sponsor: Dr. Wind Goodfriend

The Perfect Partner: What Do Men and Women Want?  
by Cory Vogel; faculty sponsor: Dr. Jeanne Tinsley

The Power of Love  
by Shantel Lawrence and Durant Freeman Jr.;  
faculty sponsor: Dr. Joni Anderson

The role of glutathione peroxidase and catalase in mediating the antioxidant properties of proline in baker’s yeast  
by Cameron Matters and Rachael Reicks;  
faculty sponsor: Dr. Brian Lenzmeier

Understanding Adolescent Behavior: A Correlational Study of the Negative Effects of Bullying during Adolescence  
by Austin Baker; faculty sponsor: Dr. Jeanne Tinsley

Understanding Doubt through Dramaturgy  
by Hannah Anderson; faculty sponsor: Dr. Bethany Larson
CELEBRATING STUDENT WORK FROM:

Harold Walter Siebens School of Business
School of Communication & Arts
School of Education & Exercise Science
School of Science
School of Social Science, Philosophy & Religion