4-24-2014

Ursinus College Celebration of Student Achievement (CoSA) Schedule of Events, 2014

Office of Academic Affairs
Ursinus College

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## Celebration of Student Achievement

10:00am-10:50am ~ Olin Hall ~ Oral Presentations

<table>
<thead>
<tr>
<th>Room 101</th>
<th>Philosophy, Psychology</th>
</tr>
</thead>
</table>
| Jarrett Field  
Mentor: Kelly Sorensen | A Defense of "Stand Your Ground" Legislation |
| Elizabeth Hill  
Mentor: Brenda Lederach | UCSTRESS: A High School Mentoring Program |
| Douglas Hickey  
Mentor: Kelly Sorensen | Hidden Wounds: An Exploration of Moral Injury in War and in Trauma |

<table>
<thead>
<tr>
<th>Room 102</th>
<th>History</th>
</tr>
</thead>
</table>
| Brian Clancy, Brendan Howseman, and Andrea Kuhn  
Mentor: Ross Doughty | Concepts of Femininity for the Female Soviet Soldier During WWII |

<table>
<thead>
<tr>
<th>Room 103</th>
<th>Business and Economics</th>
</tr>
</thead>
</table>
| Briana Anderson  
Mentor: Scott Deacle | Is Geographic Diversification Associated with Increased Risk?: Evidence from the Spanish Banking Crisis |
| James Stanley  
Mentor: Scott Deacle | Is there Insider Trading Around OCC Enforcement Actions in the Put Options Market? |
| Bryn O'Neill  
Mentor: Andrew Economopoulos | Connecting the dots: An economic Study of parental factors shaping Childhood Cognitive Development |

<table>
<thead>
<tr>
<th>Room 107</th>
<th>Environmental Studies</th>
</tr>
</thead>
</table>
| Mary Kobor  
Mentor: Leah Joseph | Talkin' Trash in Lower Wismer: Rethinking the Lower Wismer Waste Collection System |
| Sara Bajor  
Mentor: Patrick Hurley | Living a New Paradigm: My Internship with Avalon Gardens and EcoVillage |
| Emma Danz  
Mentor: Leah Joseph | Talkin' Trash at Ursinus: Why Switching from Landfilling to Waste-to-Energy is the Environmentally Responsible Choice for Waste Disposal |

<table>
<thead>
<tr>
<th>Room 108</th>
<th>English</th>
</tr>
</thead>
</table>
| Courtney Stewart  
Mentor: Meredith Goldsmith | The Midwife of the Harlem Renaissance: Jessie Fauset & Racial Landscapes in "Plum Bun" and "Comedy: American Style" |
| Leona Cicone and Chelsea White  
Mentor: Nzadi Keita | Unpacking the Black Arts Movement |
| Jennie Kuhn  
Mentor: Joyce Lionarons | Modernism and Grammar: How to Diagram When Sentences Fall into Fragments |
# Celebration of Student Achievement

## Room 201

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian Thomas</td>
<td>Jon Volkmer</td>
<td>On Publishing a Print Zine in 2013 Suburbia</td>
</tr>
<tr>
<td>Lauren Geiger</td>
<td>Jon Volkmer</td>
<td>The Art of Sensuality: The Human Body as a Blessing Through Renaissance Art, The Epic of Gilgamesh, Sappho, and Abelard &amp; Heloise</td>
</tr>
<tr>
<td>Mara Koren</td>
<td>Jon Volkmer</td>
<td>My Mother and Writing</td>
</tr>
<tr>
<td>Anne Rus</td>
<td>Jon Volkmer</td>
<td>Sancta</td>
</tr>
</tbody>
</table>

## 10:00am-10:50am ~ Pfahler Hall Atrium ~ Poster Presentations

### Biology, Biochemistry and Molecular Biology

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Katlin Power</td>
<td>Rebecca Lyczak</td>
<td>Process for Genetic Mapping of a New pam-1 Suppressor</td>
</tr>
<tr>
<td>Samantha Cermignano, Rebecca Keenan, Elana Roadcloud, Daniel Selechnik</td>
<td>Anthony Lobo</td>
<td>Pandemic Preparedness: Outcomes of A Science Policy Conference</td>
</tr>
<tr>
<td>Jamie Faselt, Zeba Hussaini, Robert Kelly, Travis Maider</td>
<td>Anthony Lobo</td>
<td>Science and Global Policy on Pandemics</td>
</tr>
<tr>
<td>Megan Giroux, Alex Lowe, Kenton Marquigny, Kayla Waits</td>
<td>Anthony Lobo</td>
<td>Pandemics and Preparedness: Are You Ready?</td>
</tr>
<tr>
<td>Alex Greenzweig, Nicole Gruzin, Melonie Phillips, Julianna Tantum</td>
<td>Kathryn Goddard</td>
<td>Genetic diversity as affected by geographical distance in the water penny beetle <em>Psephenus herricki</em> at the COI region of the mitochondrial genome</td>
</tr>
<tr>
<td>Gabriel Brill, Chris Flood, Robert Kelly, Lucien Konan, Amanda Leyden, Kristen Prijs, Lauren Trachtenberg</td>
<td>Kari Hart</td>
<td>Comparing the odds of catching a white-footed mouse <em>Peromyscus leucopus</em> in fragmented versus continuous forests utilizing two different trapping methods</td>
</tr>
<tr>
<td>Ivan Sokirniy</td>
<td>Beth Bailey</td>
<td>The Effect of the Physiological Stress of Pregnancy on the Structural Properties of Individual Heart Muscle Cell</td>
</tr>
<tr>
<td>Alyse Brewer, Arielle Kilner, Meagan Kurland</td>
<td>Rebecca Lyczak</td>
<td>Phenotypic and Hatch Test Characterization of pam-1 Suppressors</td>
</tr>
<tr>
<td>Celebration of Student Achievement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **Emily Black, Rachel Evans, Yejin Hong, Michelle Swenson**  
Mentor: Rebecca Kohn | Impact of oxidative stress on dopaminergic neurons in *Caenorhabditis elegans* with increased nervous system activity.  
**Dominic Castanzo, Erich Keyser, David Pontoriero**  
Mentor: Dale Cameron | Developing novel approaches to measure [PSI+] prion formation and clearance in *Saccharomyces cerevisiae*  
**Jared Bohrer, Karch Connors, Taylor Gload**  
Mentor: Ellen Dawley | Microglial Response during Spinal Cord Regeneration in Axolotls  
**Jerica Gerena**  
Mentor: Ellen Dawley | Microglial Response in Regenerating Notophthalmus viridescens Tail  
**Emily Bergmann, Dana Kluchinski, Sarah Obeiter, Elisa Tyler, Kayleigh Weaver**  
Mentor: Ellen Dawley | Bird Species Diversity in Hunsberger Woods  
**Sean Delany, Daniel Selechnik, Alex van Ooy**  
Mentor: Dale Cameron | Investigating the role of Rnq1 and Lsb2 in [PSI+] prion formation in *Saccharomyces cerevisiae* |

**11:00am-11:50am ~ Bomberger Hall ~ Oral Presentations**

<table>
<thead>
<tr>
<th>Room 016</th>
<th>Music</th>
</tr>
</thead>
</table>
| Nathan Bennett  
Mentor: Garrett Hope | Expansion of the Tonic, Pre-Dominant and Dominant Chord Interactions  
Hailey Blessing  
Mentor: Holly Hubbs | Appropriation in Animation  
Emily Cooper  
Mentor: Holly Hubbs | The Modern Flute: Influential Genres and Techniques of the 20th and 21st Centuries |

**Room 128**  
International Programs, French

| Sarah Godfrey  
Mentor: Melissa Hardin | A Study Abroad Experience at St. Andrews  
Jessica Long  
Mentor: Colette Trout | « Les Mauvaises mères » : Representations of conflicted mothers in French Women's Literature |

**Room 202**  
Environmental Studies

| Grace Barter, Morgan Colvin, Emma Danz, Axel Gonzalez, Joshua Hoffman, Sarah Huang, Megan Maccaroni, Travis Maider, Hannah Marshall, Zachary Trauger  
Mentor: Brandon Hoover | Office of Sustainability Sustainability Fellows |
# Celebration of Student Achievement

## Room 228 (History)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caroline Sandberg</td>
<td>The Impact of Gettysburg on Morale on Lee's Army</td>
<td>Dallett Hemphill</td>
</tr>
<tr>
<td>Lindsay Doyle</td>
<td>Female Soldiers and Spies in the American Civil War</td>
<td>Dallett Hemphill</td>
</tr>
<tr>
<td>Michael Hoffman</td>
<td>Female Nurses' Effect on the Outcome of the American Civil War</td>
<td>Dallett Hemphill</td>
</tr>
</tbody>
</table>

## Room 306 (Philosophy, Psychology, Education)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evan Lord and Aubrey Paris</td>
<td>GEMS: Infectious Disease Surveillance of the Future</td>
<td>Kelly Sorensen</td>
</tr>
<tr>
<td>Sarah Cogswell</td>
<td>Organizational Outcomes of Ursinus Students and Employees</td>
<td>Brent Mattingly</td>
</tr>
<tr>
<td>Ian Wiggins</td>
<td>The benefit of ethics in education and why democracy demands it</td>
<td>Stephanie Mackler</td>
</tr>
<tr>
<td>Senie Chernuhina</td>
<td>The Ethics of a Real &quot;Love&quot; Potion</td>
<td></td>
</tr>
</tbody>
</table>

## Auditorium (Creative Writing)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tess Casper, Quinn Gilman-Forlini, Caitlin Jackson, Shavon Jones, Jon Lawrence, Michele Snead, Nora Sternlof, Andrew Tran</td>
<td>A Reading</td>
<td>Michelle Keita</td>
</tr>
</tbody>
</table>

## 11:00am-11:50am ~ The Kaleidoscope Lenfest Theater ~ Dance Performance

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nishant Chatarjee, Brian Cox, Kevin Cox, La'Shante Cox, Gisela Cubilla, Paige Fronheiser, Ernie Gurish, Connor Kanya, Jennie Kuhn, Julianna Lepore, Paul Luchon, Skyler McCormick, Colleen Walsh</td>
<td>Ricochet: An Interdisciplinary Collaboration</td>
<td>Jeanine McCain</td>
</tr>
</tbody>
</table>

## 11:00am-11:50am ~ Pfahler Hall Atrium ~ Poster Presentations

### Biochemistry and Molecular Biology, Chemistry

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter Eisenhauer, Andrew Kane, Andrew Orlick, Karla Thiele</td>
<td>The Effects of Lipopolysaccharide on Cell Populations and Levels</td>
<td>Rebecca Roberts</td>
</tr>
<tr>
<td>Samantha Ha, Benjamin Jumper, Edward Lee</td>
<td>The Effect of Bisphenol A and Estradiol on the Cathepsin and its</td>
<td>Rebecca Roberts</td>
</tr>
<tr>
<td></td>
<td>Corresponding Influence on the Angiogenesis and Metastasis of</td>
<td></td>
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<tr>
<td></td>
<td>Breast Cancer</td>
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</tbody>
</table>


## Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Name</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>Jenna Pellegrino</td>
<td>Creation of Rubrerythrin and Symerythrin Model Proteins</td>
</tr>
<tr>
<td>Mentor: Amanda Reig</td>
<td></td>
</tr>
<tr>
<td>Daniel DeHelian and Gavin</td>
<td>Interactions between the Lectin-like Domain of Thrombomodulin and Complement</td>
</tr>
<tr>
<td>Palowitch</td>
<td>Component C3</td>
</tr>
<tr>
<td>Mentor: Julia Koeppe</td>
<td></td>
</tr>
<tr>
<td>Jeffrey Erkkila and Min Feng</td>
<td>Identification of Complex Microorganism Population in Sourdough Bread</td>
</tr>
<tr>
<td>Mentor: Anthony Lobo</td>
<td></td>
</tr>
<tr>
<td>Aubrey Paris</td>
<td>Remote Coupling Abilities of Symmetric &amp; Asymmetric Trinuclear Mixed-Valence</td>
</tr>
<tr>
<td>Mentor: Brian Pfennig</td>
<td>Compound</td>
</tr>
<tr>
<td>Lucas Bricker</td>
<td>Analysis of the Ionic Transport Properties of Carbon Nanotubes</td>
</tr>
<tr>
<td>Mentor: Mark Ellison</td>
<td></td>
</tr>
<tr>
<td>Mackenzie Kyner</td>
<td>Understanding High-Performance Liquid Chromatographic (HPLC) Retention of An</td>
</tr>
<tr>
<td>Mentor: Eric Williamsen</td>
<td>Octyl Stationary Phases</td>
</tr>
<tr>
<td>Ivan Sokirniy</td>
<td>Mössbauer Study of Temperature Induced Spin Crossover</td>
</tr>
<tr>
<td>Mentor: Codrina Popescu</td>
<td></td>
</tr>
<tr>
<td>Katherine Fiocca</td>
<td>Using PEG-modified Nano-graphene Oxide to Deliver Tetracycline</td>
</tr>
<tr>
<td>Mentor: Mark Ellison</td>
<td></td>
</tr>
<tr>
<td>Allison Arinaga</td>
<td>Synthesis and Analysis of a Macrocyclic Platinum Square Complex</td>
</tr>
<tr>
<td>Mentor: Brian Pfennig</td>
<td></td>
</tr>
<tr>
<td>Sara Obeiter and Morgan Wambaugh</td>
<td>Mutations in the Anime Groups of the Lectin-like Domain of Thrombomoduline for Optimized Interactions with Complement Component C3</td>
</tr>
<tr>
<td>Mentor: Julia Koeppe</td>
<td></td>
</tr>
<tr>
<td>Danielle Kritz</td>
<td>Synthesis and Characterization of Cyano-Bridged Mixed Valence Compounds</td>
</tr>
<tr>
<td>Mentor: Brian Pfennig</td>
<td></td>
</tr>
<tr>
<td>Francis Sirch</td>
<td>Investigating Resistance Mechanisms and Susceptibility to Antibiotic-Conjugated Carbon Nanotubes.</td>
</tr>
<tr>
<td>Mentor: Mark Ellison</td>
<td></td>
</tr>
<tr>
<td>Aung Nyein</td>
<td>Nanotube Research</td>
</tr>
<tr>
<td>Mentor: Mark Ellison</td>
<td></td>
</tr>
</tbody>
</table>

### 1:00-1:50pm ~ Berman Hall Main Gallery ~ Oral Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kyle Peterson</td>
<td>Infrastructure and Patterns of Origin</td>
</tr>
<tr>
<td>Mentor: Jackie Brown</td>
<td></td>
</tr>
<tr>
<td>Erik Stumpo</td>
<td>An Existential Discourse Mediated by the Photographic Lens</td>
</tr>
<tr>
<td>Mentor: Sarah Kaufman</td>
<td></td>
</tr>
</tbody>
</table>
Celebration of Student Achievement

1:00-1:50pm ~ The Kaleidoscope Lenfest Theater ~ Theater Performance

<table>
<thead>
<tr>
<th>Names</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erica-Anne Bossman, Grace Duffy, Brandon Howseman, Caitlin Jackson, Beverly Redman, Marquis Wilson</td>
<td>Acting with Style</td>
</tr>
<tr>
<td>Mentor: Beverly Redman</td>
<td></td>
</tr>
</tbody>
</table>

1:00-1:50pm ~ Olin Hall ~ Oral Presentations

<table>
<thead>
<tr>
<th>Room 101</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rachel Polinski</td>
<td>Creation and Characterization of Rubrerythrin and Symerythrin Model Proteins</td>
</tr>
<tr>
<td>Mentor: Amanda Reig</td>
<td></td>
</tr>
<tr>
<td>Matthew McKay</td>
<td>Investigating a Link Between Coagulation and Inflammation: A Study of Complement Component C3 and the Lectin-like Domain of Thrombomodulin</td>
</tr>
<tr>
<td>Mentor: Julia Koepe</td>
<td></td>
</tr>
<tr>
<td>Kristen Biernat</td>
<td>Creation and Characterization of 4-His/3-Carboxylate DFsc Proteins</td>
</tr>
<tr>
<td>Mentor: Amanda Reig</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Room 102</th>
<th>Music, Business and Economics, English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steven Berardi</td>
<td>The Platinum Formula: Analyzing Musical Trends in Popular Music</td>
</tr>
<tr>
<td>Mentor: Eric Gaus</td>
<td></td>
</tr>
<tr>
<td>Julia Kelley</td>
<td>Fog and Fog-People: Visual Elements in Eugene O'Neill's Long Day's Journey into Night</td>
</tr>
<tr>
<td>Mentor: Jeffrey Brown</td>
<td></td>
</tr>
<tr>
<td>Quinn Gilman-Forlini</td>
<td>Exiled to Antarctica: The Consequence of a Male-Constructed Female Performance in Angels in America</td>
</tr>
<tr>
<td>Mentor: Rebecca Jaroff</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Room 103</th>
<th>Biology, Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erica Gorenberg</td>
<td>Effect of hydrogen peroxide on apoptosis in <em>Caenorhabditis elegans</em> dopaminergic neurons</td>
</tr>
<tr>
<td>Mentor: Rebecca Kohn and Kari Hart</td>
<td></td>
</tr>
<tr>
<td>Kara DiJoseph</td>
<td>The Interaction of Tetracycline-Functionalized Carbon Nanotubes with <em>Escherichia coli</em></td>
</tr>
<tr>
<td>Mentor: Mark Ellison</td>
<td></td>
</tr>
<tr>
<td>Michael Osinski</td>
<td>The Other Side of Patient Care: An Emergency Medical Services Administration Internship</td>
</tr>
<tr>
<td>Mentor: Christian Rice</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Room 107</th>
<th>Environmental Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curt Barbacci, Megan Hanscom, Kimberly Nolan, Zach Scheib</td>
<td>The Reforestation and Revival of Hunsberger Woods: The Tree Planting Edition</td>
</tr>
<tr>
<td>Mentor: Patrick Hurley</td>
<td></td>
</tr>
</tbody>
</table>
# Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Room 108</th>
<th>History</th>
</tr>
</thead>
</table>
| Brett Neslen  
Mentor: Ross Doughty | Mother Tongue: Konstantin Simonov, Ilya Ehrenburg and Writing the Russian Experience amid Soviet Rhetoric |
| Courtney Stewart  
Mentor: Patricia Schroeder | Pennsylvania German Families: the Wentz and the Muhlenbergs |
| Tim Winters  
Mentor: Dallett Hemphill | George B. McClellan: The Mystery of the Civil War |

<table>
<thead>
<tr>
<th>Auditorium</th>
<th>Bonner Program, UCARE</th>
</tr>
</thead>
</table>
| Paige Fronheiser, Paul Luchon, Travis Maider, Gladys Martinez, Joy McDermott, Nicole Murlo  
Mentor: Elizabeth Cannon | Bonner Seniors Panel |
| Hillary Anderson, James Checkowski, JD Edgard, Tabatha Rudzinski, Sophie Zander  
Mentor: Elizabeth Cannon | Ursinus Center for Advocacy, Responsibility and Engagement (UCARE) |

## 1:00-1:50pm ~ Pfahler Hall Atrium ~ Poster Presentations  
*Psychology, Neuroscience*

| Mary Foggo, Matthew Heller, Brennan McFarland, James Valentine, Tess Wiggins  
Mentor: Jennifer Stevenson | Evaluation of the consistency between community diagnosis of ASD and autism screeners in children |
| Nathan Bennett and Nicolle Donate  
Mentor: Jennifer Stevenson | The Ability to Identify Characteristics and Rate of Attractiveness of Manipulated Vocal Samples |
| Sarah Cogswell  
Mentor: Brent Mattingly | Person- Organization Fit and Work Outcomes at Ursinus College |
| Linda Muller  
Mentor: Jennifer Stevenson | Effect of Autistic Traits on Face Processing Strategy When Determining Sexual Orientation |
| Lacey Evangelista, Allison Frymoyer, Joshua Hopkins-DeSantis, Jennifer Lee, Brittany Martin, Megan Millington, James Newman, Heather Putnam, Gena Rodriguez, Emily Short  
Mentor: Cathy Chambliss | Undergraduates’ Experience of Mobile Device-based Relationship Disruption |
| Lacey Evangelista, Allison Frymoyer, Joshua Hopkins-DeSantis, Jennifer Lee, Brittany Martin, Megan Millington, James Newman, Heather Putnam, Gena Rodriguez  
Mentor: Cathy Chambliss | Neurotic, Contentious, and Lonely! Differential vulnerability to cellphone relationship disruption |
# Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jessica Farfalla</td>
<td>The perception of Freudenfreude and Schadenfreude in consumers with schizophrenia</td>
<td>Cathy Chambliss</td>
</tr>
<tr>
<td>Caitlin Lindley and Nicole Murlo</td>
<td>The Relationships between Speech and Motor Skill Development and the Number of Autistic Traits</td>
<td>Jennifer Stevenson</td>
</tr>
<tr>
<td>Marcus Crespo and Laura Drebushenko</td>
<td>A longitudinal study of motor and language development in infants and toddlers</td>
<td>Jennifer Stevenson</td>
</tr>
<tr>
<td>Andrew Giachetti, Abby Kalkstein, Emily Pellowe, Cason Walker</td>
<td>Criteria and Visual Processing of Images to Determine a Stranger’s Sexual Orientation Using Tobii Remote Eye Tracker</td>
<td>Brenda Lederach</td>
</tr>
<tr>
<td>Jonnie Handschin, Michael Hopkins-DeSantis, Ina Hysko, Jane Lee, Lauren MacDonough, Jonathan Soffer, Evan Stutchin, Alvin Varghese</td>
<td>EEG and Subjective Correlates of Strobically-Induced Visual Hallucinations</td>
<td>Joel Bish</td>
</tr>
<tr>
<td>Cheyenne Layman, Christopher Lipsett, Hayley O'Donnell, Rachel Philip, Guadalupe Quintana, Margo Randelmen</td>
<td>Visual Processing in Individuals with Differential Autistic Qualities</td>
<td>Joel Bish</td>
</tr>
<tr>
<td>Marisa Gretz, Chan Hee Lee, Angelo Montenegro, Renee Tomea</td>
<td>Using Spectral Analysis and Event-Related Potentials to Identify Cognitive Deficits within Concussed Student Athletes</td>
<td>Joel Bish</td>
</tr>
<tr>
<td>Felicia Biondo, Adam Hassan, Grant McPherson, Chelsea Nedumthuruthil</td>
<td>Self-Expansion and Preference for Novelty</td>
<td>Brent Mattingly</td>
</tr>
<tr>
<td>Mara Berzins, Angier Cooper, Tiphany Garcia, Victoria Goodenough, Sneha Joseph, Cameron Kennedy, Madison Reil</td>
<td>Development of Media and Education for Advertising Literacy (MEALS)</td>
<td>Kneia DaCosta</td>
</tr>
</tbody>
</table>

### 1:00-1:50pm ~ Wismer Center Lower Lounge ~ Poster Presentations

**Business and Economics**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anabelle Capois</td>
<td>Intercultural Student Exchange: A Competitive Analysis of the top Organizations</td>
<td>Andrew Economopoulos</td>
</tr>
<tr>
<td>Tanner Johnson</td>
<td>RAZRBAR Internship</td>
<td>Jennifer VanGilder</td>
</tr>
</tbody>
</table>
## Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Mark Lesser</th>
<th>Fastenal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentor: Scott Deacle</td>
<td></td>
</tr>
<tr>
<td>Mark Branca</td>
<td>Merrill Lynch Internship</td>
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<tr>
<td>Mentor: Scott Deacle</td>
<td>Presentation</td>
</tr>
<tr>
<td>Amanda Minnick</td>
<td>Teleflex Internship</td>
</tr>
<tr>
<td>Mentor: Andrew Economopoulos</td>
<td></td>
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<tr>
<td>Austin Oscovitch</td>
<td>The BodyRide Experience</td>
</tr>
<tr>
<td>Mentor: Jennifer VanGilder</td>
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<tr>
<td>Lance Rosina</td>
<td>Wealth Management Internship</td>
</tr>
<tr>
<td>Mentor: Scott Deacle</td>
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<tr>
<td>Richard Griffith</td>
<td>The Fastenal Company</td>
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<tr>
<td>Mentor: Eric Gaus</td>
<td>Business to Business Sales</td>
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<tr>
<td>Joseph Polansky</td>
<td>BE Internship Poster</td>
</tr>
<tr>
<td>Mentor: Jennifer VanGilder</td>
<td></td>
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<tr>
<td>Curtis Watkins</td>
<td>A Two-Part Internship</td>
</tr>
<tr>
<td>Mentor: Jennifer VanGilder</td>
<td>Experience at New York Life: Recruiting and Shadowing an Active Agent</td>
</tr>
</tbody>
</table>

### 2:00pm-2:50pm ~ Berman Museum Room 016 ~ Oral Presentations

<table>
<thead>
<tr>
<th>Kyra Tan-Tiongco</th>
<th>The Art of the Scrovegni Chapel and its Relation to Politics in Late Medieval Italy</th>
</tr>
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<tbody>
<tr>
<td>Mentor: Matt Shoaf</td>
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</tr>
<tr>
<td>Ashlyn Ernst</td>
<td>The Portraiture of Kehinde Wiley: Complicating Race and Power through Appropriation and the Aesthetics of Hip-Hop</td>
</tr>
<tr>
<td>Mentor: Deborah Barkun</td>
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</tbody>
</table>

### 2:00pm-2:50pm ~ Bomberger Hall ~ Oral Presentations

<table>
<thead>
<tr>
<th>Room 128</th>
<th>History, French, Spanish, Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose Healey</td>
<td>Overarching Commonalities Between Leninism and Neo-Confucianism</td>
</tr>
<tr>
<td>Mentor: Hugh Clark</td>
<td></td>
</tr>
<tr>
<td>Dominique de Saint Etienne</td>
<td>The Americanization process: The American Remakes of French Movies</td>
</tr>
<tr>
<td>Mentor: Colette Trout</td>
<td></td>
</tr>
<tr>
<td>Danielle Miller</td>
<td>El desarrollo de Carmen Martín Gaite: del perspectivismo a lo fantástico</td>
</tr>
<tr>
<td>Mentor: Douglas Cameron</td>
<td></td>
</tr>
<tr>
<td>Frank DeVone</td>
<td>Inelastic Proton Scattering from 50Ca</td>
</tr>
<tr>
<td>Mentor: Lewis Riley</td>
<td></td>
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</tbody>
</table>
# Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Room 202</th>
<th>Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jessica Long and Kelsey Miller</td>
<td>Investigating the mechanism of tetracycline resistance using tetracycline-conjugated nanotubes (tet-SWNTs)</td>
</tr>
<tr>
<td>Mentor: Anthony Lobo</td>
<td></td>
</tr>
<tr>
<td>Sarah Polekoff</td>
<td>Effect of Dam Removal on Macroinvertebrate Communities in Darby Creek, Drexel Hill, PA</td>
</tr>
<tr>
<td>Mentor: Kate Goddard</td>
<td></td>
</tr>
<tr>
<td>Laura Drebushenko, Anahi McIntyre, Devin Radosky</td>
<td>Confirmation of Ank3 as an intracellular binding partner of Slitrk2</td>
</tr>
<tr>
<td>Mentor: Jennifer Round</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Room 228</th>
<th>Media and Communication Studies, Anthropology and Sociology, Theater and Dance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lindsey Flor</td>
<td>The Effect of New Technologies on Relationships</td>
</tr>
<tr>
<td>Mentor: Louise Woodstock</td>
<td></td>
</tr>
<tr>
<td>Epiphany Summers</td>
<td>Collective or Divisive: Perspectives and Experiences of the Occupy Wall Street Movement</td>
</tr>
<tr>
<td>Mentors: Sheryl Goodman and Regina Oboler</td>
<td></td>
</tr>
<tr>
<td>Colleen Walsh</td>
<td>Disclose: An Open Gallery Performance Installation</td>
</tr>
<tr>
<td>Mentor: Jeanine McCain</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Auditorium</th>
<th>Creative Writing</th>
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</thead>
<tbody>
<tr>
<td>Brian Thomas, Andrew Tran, Maxwell Bicking, Quinn Gilm-an-Forlini, Josh Hoffman, Blaise Laramee, Annie Rus</td>
<td>Literary Society</td>
</tr>
<tr>
<td>Mentor: Jon Volkmer</td>
<td></td>
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</tbody>
</table>

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2:00pm-2:50pm ~ Pfahler Hall Atrium ~ Poster Presentations

*Mathematics and Computer Science, Chemistry, Biology, Psychology, Neuroscience*

| Hongli Chen and Nicole Sassany | Mathematical Model of Carbapenem-Resistant Enterobacteriaceae with Low and High Prevalence Settings |
| Mentor: Mohammed Yahdi | |
| Atticus Graven | Learning about Learning |
| Mentor: Mohammed Yahdi | |
| Anna Fiorella | Synthesis and toxicity of Cysteine-Functionalized Carbon Nanotubes with *Caenorhabditis Elegans* |
| Mentor: Mark Ellison | |
| Madison Force | The Interaction of Tetracycline-Functionalized Single-walled Carbon Nanotubes with *Escherichia coli* |
| Mentor: Mark Ellison | |
| Kyle Minnick | Establishing a paradigm to study the effects of moderate Prenatal Alcohol Exposure on Corridor Cell Development |
| Mentor: Carlita Favero | |
| Emily Short | Gender Differences in Mobile Device Use |
| Mentor: Catherine Chambliss | |
| Rebecca Rinkunas, Jenna Stover, Shou-li Tung | Investigating the interaction of ubiquitin proteasome system subunits with the [PSI+] prion in *Saccharomyces cerevisiae* |
| Mentor: Dale Cameron | |
## Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Title</th>
<th>Speakers/Authors</th>
<th>Mentors/Program Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role of centosome in anterior-posterior axis formation in single-celled <em>Caenorhabditis elegans</em> embryos</td>
<td>Devayu Parikh and Dominique Saturno</td>
<td>Rebecca Lyczak</td>
</tr>
<tr>
<td>Males and Females' Perceptions of Self-Esteems and Social-Support in Fictitious Scenarios</td>
<td>Brandon Adorno, Yusra Aziz, Gena Rodriguez</td>
<td>Jennifer Stevenson</td>
</tr>
<tr>
<td>Expanding Your Relationship: Self-Expansion and Self-Efficacy</td>
<td>Victoria Cameron, Ceegan Cook, Mahala Femovich, Leah Masiello</td>
<td>Brent Mattingly</td>
</tr>
<tr>
<td>Effects of False Beliefs on Personality Change</td>
<td>Giavonna Banner, Russell Mach, Steve Medeiros</td>
<td>Joel Bish</td>
</tr>
<tr>
<td>Microglial Expression in Regenerating Newt Tails</td>
<td>Helen Choi, Jon Livezey, Chase Renninger, Hale Soloff</td>
<td>Ellen Dawley</td>
</tr>
<tr>
<td>Mathematically Modeling Agroecosystems to Reduce Pest Damage</td>
<td>Cara Sulyok, Mohammed Yahdi</td>
<td></td>
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<tr>
<td>The Effect of Hydrogen Peroxide on Apoptosis in the Dopaminergic Neurons of <em>Caenorhabditis elegans</em></td>
<td>Bryan Carter and Margo Randelman</td>
<td>Rebecca Kohn</td>
</tr>
<tr>
<td>Arborcity</td>
<td>Matthew Belle, Nicholas Scoville</td>
<td></td>
</tr>
<tr>
<td>Neurocorrelates of Symptomology of ADHD and OCD</td>
<td>JD Edgard, Douglas Hickey, Rachel Liegey, Dominique Scholl, Natasha Tonia</td>
<td>Joel Bish</td>
</tr>
</tbody>
</table>

### 2:00pm-2:50pm ~ Wismer Center Lower Lounge ~ Poster Presentations

*Bonner Program*

<table>
<thead>
<tr>
<th>Title</th>
<th>Speakers/Authors</th>
<th>Mentors/Program Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Learning at Cradles to Crayons</td>
<td>Nicholas DiMuzio</td>
<td>Elizabeth Cannon</td>
</tr>
<tr>
<td>Urban Tree Connection</td>
<td>Travis Maider</td>
<td>Elizabeth Cannon</td>
</tr>
<tr>
<td>Sebastian Riding Associates: A Non-Profit Therapeutic Riding Facility</td>
<td>Haley Brush, Zoe Hoffeld, Gabby Moore, Tabatha Rudzinski, Becky Smith, Kimberly Snow</td>
<td>Christian Rice</td>
</tr>
</tbody>
</table>
## Celebration of Student Achievement

<table>
<thead>
<tr>
<th>Name and Mentors</th>
<th>Project/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Becca Brown, James Checkowski, Nick DiMuzio, Jamie Faselt, Paige Fronheiser, Samantha Ha, Lily Kehoe, Nicholas Macksoud, Travis Maider, Nicole Murlo, Sophia Rice, Tabatha Rudzinski, Shannon Serafin, Edgar Torres, Thamden Wangyal Mentor: Elizabeth Cannon</td>
<td>Columbia Cottage</td>
</tr>
<tr>
<td>Jamie Faselt, Neomi Haut, Kelly Johnson, Ellen Kehoe, Sophia Rice, Thamden Wangyal Mentor: Elizabeth Cannon</td>
<td>Civic Engagement at Camphill Village Kimberton Hills</td>
</tr>
<tr>
<td>Sophia Rice and Edgar Torres Mentor: Christian Rice</td>
<td>Phoenixville Area Positive Alternatives: Volunteering in the School and in the Office</td>
</tr>
<tr>
<td>Rebecca Brown, Ellen Kehoe, Erin Klazas Mentor: Elizabeth Cannon</td>
<td>Montgomery County Correctional Facility GED Tutoring</td>
</tr>
<tr>
<td>Paige Fronheiser Mentor: Elizabeth Cannon</td>
<td>Bringing Science to After School Clubs in Norristown</td>
</tr>
<tr>
<td>Melissa Arrisueno, Emily Bergmann, Kelsey Knowles, Maureen Lannon, Shannon Serafin Mentor: Elizabeth Cannon</td>
<td>Parkhouse Geriatric Center</td>
</tr>
<tr>
<td>Thamden Wangyal Mentor: Elizabeth Cannon</td>
<td>Civic engagement work at Catholic Social Service</td>
</tr>
<tr>
<td>James Checkowski, Nicholas DiMuzio, Jamie Faselt, Samantha Ha, Danielle Kritz, Maureen Lannon, Nicholas Macksoud, Shannon Serafin Mentor: Elizabeth Cannon</td>
<td>The Effects of Creative After-School Alternatives (CASA)</td>
</tr>
<tr>
<td>James Checkowski Mentor: Elizabeth Cannon</td>
<td>Bonner</td>
</tr>
<tr>
<td>Travis Maider and Edgar Torres Mentor: Christian Rice</td>
<td>ACLAMO</td>
</tr>
</tbody>
</table>