James and Katie Gaudino SOURCE Award winners

For scholarly work: Raegan Nelson, nominated by April Binder (Biology) and Kara Gabriel (Psychology)
For creative activities: Holly Chapman, nominated by Mark Samples (Music)

Nominees for Scholars of the Year

<table>
<thead>
<tr>
<th>Sophia Andarovna</th>
<th>Juan Flores</th>
<th>Lori Molzan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kristin Ashley</td>
<td>Jake Funkhouser</td>
<td>Raegan Nelson</td>
</tr>
<tr>
<td>Bridget Bartlett</td>
<td>Jason Galletly</td>
<td>Amanda Rowe</td>
</tr>
<tr>
<td>Patrick Carpenter</td>
<td>Lara Gil</td>
<td>Gavin Schag</td>
</tr>
<tr>
<td>Holly Chapman</td>
<td>Madeline Lootens</td>
<td>Christina White</td>
</tr>
<tr>
<td>Dmytro Dovhalets</td>
<td>Amairani Martinez</td>
<td>Victoria Zencak</td>
</tr>
</tbody>
</table>

Mentor of the Year (award sponsored by the United Faculty of Central)

April Binder, Biological Sciences, nominated by Danielle Peecher, Amanda Ladner, and Raegan Nelson

Nominees for Mentor of the Year

| Yukari Amos   | Kristina Ernest | Greg Lyman |
| Liahna Armstrong | Marte Fallshore | Breanyn MacInnes |
| Tishra Beeson | Jamie Gilbert | Liane Pereira |
| April Binder | Loretta Gray | William Phipps |
| Tonya Buchanan | Robert Hickey | Jeffrey Snedeker |
| Mathew Burvee | Vanessa Hunt | Gabrielle Stryker |
| Xavier Cavazos | Carla Jellum | Kathryn Temple |
| Teresa Divine | Todd Kroll | Thomas Tenerelli |
| Roxanne Easley | Nathan Kuwada | Maya Zeller |
| Lisa Ely | Jer Loudenback | |

Business Plan Competition Outstanding Presentation

Ellensburg Athletic Club

Eric Baumgardner

Business Plan Competition Winners

- 1st Place ($5000 grant): Gigglydoo
  Ernie Kilburn
- 2nd Place ($3000 grant): Ellensburg Athletic Club
  Eric Baumgardner
- 3rd Place ($2000 grant): Wildrone
  Junseo Lee
## Fashion Show Outstanding Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tautua</td>
<td>Jesse Leaupepe</td>
</tr>
<tr>
<td>Valentina</td>
<td>Maria Zepepa</td>
</tr>
<tr>
<td></td>
<td>Mentor: Andrea Eklund</td>
</tr>
</tbody>
</table>

## Constructed Objects Outstanding Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directional Rope Capture Device</td>
<td>Seaver Philipp</td>
</tr>
<tr>
<td>Prosthetic Artificial Muscle</td>
<td>Sydnee Johnson</td>
</tr>
<tr>
<td></td>
<td>Mentor: Charles Pringle</td>
</tr>
<tr>
<td></td>
<td>Mentor: Roger Beardsley</td>
</tr>
</tbody>
</table>

## Creative Expression/Creative Works Outstanding Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homerun</td>
<td>Veronica Benavides</td>
</tr>
<tr>
<td>Art of the Fugue, Contrapunctus I</td>
<td>Sami Abdul-Wahid</td>
</tr>
<tr>
<td>The Old Maid and the Thief</td>
<td>Tatiana Kruse, Jessica Reid, Aly Henniger</td>
</tr>
<tr>
<td>Give Voice</td>
<td>Jadvir Gill, Jocelyn Waite, Omar Manzo</td>
</tr>
<tr>
<td></td>
<td>Mentor: Barbara Pickett</td>
</tr>
<tr>
<td></td>
<td>Mentor: Gayla Blaisdell</td>
</tr>
</tbody>
</table>

## Outstanding Oral Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
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</thead>
<tbody>
<tr>
<td>Music Around the World: Korean Pop Music</td>
<td>Aaliyah Barnes</td>
</tr>
<tr>
<td></td>
<td>Mentor: Gayla Blaisdell</td>
</tr>
<tr>
<td>A Survey Regarding the Objective Reasonableness Standard</td>
<td>Dalton Cannon</td>
</tr>
<tr>
<td></td>
<td>Mentor: Robert Claridge</td>
</tr>
<tr>
<td>Can English Speakers Eat Tapas? Considering Perspective in Approximating Ocavio Paz’s &quot;El Sediento&quot; in English</td>
<td>Patrick Carpenter</td>
</tr>
<tr>
<td></td>
<td>Mentor: Nathalie Kasselis</td>
</tr>
<tr>
<td>Using Lean / Six Sigma Ideologies to Reduce Lead Time</td>
<td>Scott Dean, Jonathan Holzberger</td>
</tr>
<tr>
<td></td>
<td>Mentor: Deepak Iyengar</td>
</tr>
<tr>
<td>Blonde / Brunette: Female Doubling in Rebecca, Vertigo, and The Birds</td>
<td>Anne Dennon</td>
</tr>
<tr>
<td></td>
<td>Mentor: Liahna Armstrong</td>
</tr>
<tr>
<td>Visual Representation and Pattern Discovery in n-Dimensional Data</td>
<td>Dmytro Dovhalets</td>
</tr>
<tr>
<td></td>
<td>Mentor: Boris Kovalerchuk</td>
</tr>
</tbody>
</table>
Designing a Cryostat for Low Temperature Condensed Matter Experiments

**Jacob Ferong**  Mentor: Benjamin White

Social Structure and Dominance Hierarchy Analyses at Chimpanzee Sanctuary Northwest

**Jake Funkhouser**  Mentor: Jessica Mayhew

Automatic Traffic Sign Detection and Recognition

**Yishui Liu**  Mentor: Szilard Vajda

The Sopranos in the Workforce

**Madeline Lootens**  Mentor: Melissa Johnson

Salmonids in an Urban Stream: Movement, Habitat Use and Potential Movement Barriers

**Connor Parrish**  Mentor: Paul James

Leadership Analysis of Napoleon Bonaparte

**Hudson Sims**  Mentor: William Phipps

Water demands, adaptive capacity, and drought: An Analysis of the Upper Klamath Basin, Oregon and California

**Tricia Snyder**  Mentor: Anthony Gabriel

Ineffective Assistance: A Matter of Life and Death

**Alexandra Yerigan**  Mentor: Teresa Divine

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**Outstanding Poster Presentations**

The Relationship between Forest Fires and the Palmer Drought Severity Index

**Dane Anderson**  Mentor: Rex Wirth

Ticks of the Dry Tropical forest of Coastal Jalisco in the dry season

**Cortnea Austin, Samuel Gutierrez, Lilly Nava**  Mentor: Daniel Beck

A Future English/Language Arts Educator's Analysis of Bias in Ten Books

**Jess Busig**  Mentor: Susana Flores

Using Yeast Two-Hybrid to Test the Interactions of Emx2 with QKI-5, QKI-6, and QKI-7

**Susana Camacho-Plascencia**  Mentor: Todd Kroll

*In Vitro* Characterization of Microtubule Dynamics

**Jessica Carder, Brianna Owen**  Mentors: Nathan Kuwada, Erin Craig Ricketson

Investigation of Anomalous Sand Deposits in Joseph Whidbey State Park Using Diatom and Sediment Analysis

**Clairissa Delavergne, Jasmine Bates, Sarah Olden**  Mentor: Bre MacInnes

Future Early Childhood Teacher's Analysis on Diversity in Children's Books

**Taylor Duncan**  Mentor: Susana Flores

*Ex vivo* evaluation of antiparasitic potentials and toxicity of *Dalea* spp. (Plantae, *Fabaceae*) against the hookworm *Ancylostoma c.*

**Lindsay Engels, Kiah Jones**  Mentors: Blaise Dondji, Gil Belofsky
Dice Master Games

Jason Galletly  Mentor: Jillene Krause

Energy Star: A model for Coping with Externalities in Environmental Policy

Conner Goodman  Mentor: Rex Wirth

CWU Perception of Campus Safety

Felycite Guerra, Sarah Gosen  Mentor: Nelson Pichardo, Sarah Samblanet

A Policy Analysis of the Puerto Rican Debt and Healthcare System

Meghan Johnson  Mentor: Tishra Beeson

Lean Six Sigma Green Belt Certification

Patrick Nana Kakmani, Aimee Schoonover, Chase Brandt, Jacob West-Ugartechea, Jia Ryu  Mentor: Kun Liao

Improving Campus-Wide Land Use Practices to Support Native Plant and Pollinator Populations

Maya Ledbetter  Mentor: Clay Arango

An action plan analysis of Ten Books for Bias

Jose Mondaca  Mentor: Susana Flores

Calculating Vertical Offset of the Borah Peak Fault Scarp Using Contemporary Digital Methods

Daniel Mongovin  Mentor: Jeff Lee

Engaging Undergraduate Students in Research: The Underrepresented Student Perspective

Jessica Murillo-Rosas, Alicia Brito, Meghan Gilbert  Mentor: Jamie Gilbert

Using Stimulus Equivalence to Teacher Color Names via Song in Preschool

Emily Nordlund, Kate Akin, Holly Kolb, Richard Rigby, Brianna Jackson  Mentorors: Richard Mariscano, Sadie Lovett

Factors impacting Latino/a students’ performance on the WEST-B writing test

Viridiana Ortiz  Mentor: Bobby Cummings

Alpha-wave Comparison and Working Memory Function Between Musician and Non-Musicians

Briana Pennington, Viktoriya Broyan, Lexi Pope, Benjamin Richardson  Mentor: Ralf Greenwald

Empowering and Engaging Children in the Diagnostic Process: A Study of Art-based Assessment

Y-Ngoc Pham  Mentor: Liane Pereira

Analysis of Sensory Variations Among Top Fermenting Yeasts for the Production of a Dunkelweizen Ale

Tyler Watt  Mentor: Steve Wagner

NACNA Traditional Ecological Knowledge (TEK) Food Gathering Program

Christina White, Anessa Boyer  Mentor: Jamie Gilbert
People’s Choice Poster Awards

Floreale Revitalize

Daniel Franco

Mentor: Andrea Eklund

Metabolic and morphological changes in NOD and 129 Mice Models of PCOS

Amanda Ladner, Danielle Peecher

Mentor: April Binder

The Science of Snoozing

Jayden Brown, Stephanie Arguelles, Parker Mills

Mentor: Paul Oursland

Advocating for Pet Partners at Central Washington University

Koki Kresser, Rachel Hanson

Mentor: Jamie Gilbert

On Demand Water Heater (for homebrewing system)

Jason Warenksi

Mentor: Roger Beardsley

Portable Beer Brewing System

Andrew Kastning

Mentor: Charles Pringle

High School Presentation Awards

History of Men’s Grass

Jacob Castilleja

Mentor: Christina White

The most wonderful things about rattlesnakes

Shauntel Ganuelas

Mentor: Meghan Gilbert

How does temperature affect different strains of chlamydomonas?

Brittany Martinez, Marcus Jackson, Lucinda Wright

Mentor: Michael Lasater

How do the different types of lights (orange green purple blue and normal lighting) affect the population of chlamydomonas?

Ivy Sehorn, Stephanie Lopez

Mentor: Michael Lasater