The 4th Annual Undergraduate Fall Symposium
Category Winners

ORAL PRESENTATIONS

Science & Technology (12 presentations)

**Winner:** Trevor Smith presented: *Gemini Telepresence Robot System Design.* **Mentor:** Yu Gu. Trevor is a Mechanical and Aerospace Engineering major at WVU and participates in the EXCEL program.

**Runner-Up:** Kelly Hanlon presented: *The Effect of Sheep Breed on Immune Cell Response to Lipopolysaccharide Stimulation in Vitro.* **Mentor:** Scott Bowdridge. Kelly is an Animal and Nutritional Sciences major at WVU and participates in the Research Apprenticeship Program (RAP).

Human Engagement (9 presentations)

**Winner:** Michael Duong presented: *How Poetry Can Influence Certain Voices in Martin Luther King Jr.’s Speeches and Papers.* **Mentor:** Timothy Sweet. Michael is a Creative Writing and Entrepreneurship major at WVU and participates in the Research Apprenticeship Program (RAP).

POSTER PRESENTATIONS

Physical Sciences and Engineering (6 presentations)

**Winner:** Michelle Wunder presented: *External factors impacting the aggregation of proteins associated with Huntington’s disease.* **Mentor:** Justin Legleiter. Michelle is a Biology major at WVU and participates in the Research Apprenticeship Program (RAP).

Biology, Biochemical & Environmental Sciences (10 presentations)

**Winner:** Shelby May presented: *Examining the Link Between Gsx1 and Efnb2a Expression in the Zebrafish Visual System.* **Mentor:** Sadie Bergeron. Shelby is a Neuroscience major at WVU.

Health Sciences and Community Health (28 presentations)

**Winner:** Phillip Englund, presented: *Chronic Stress Increases the Production of Xanthine Oxidase in the Liver of C57BL/6J Mice.* **Mentor:** Paul Chantler. Phillip is an Exercise Physiology major at WVU and participates in the Research Apprenticeship Program (RAP).
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**Runner-Up:** Alexandra Benyola, presented: *Determining the effects of a weighted blanket in the MRI environment*. Mentor: Scott Galster. Alexandra is a Neuroscience major at WVU and participates in the Research Apprenticeship Program (RAP).

**Runner-Up:** Morgan Glass, presented: *Understanding radiation’s potential in drug delivery across the blood-brain barrier*. Mentor: Paul Lockman. Morgan is Biochemistry at WVU, participated in the Research Apprenticeship Program and currently participates in the EXCEL program.

**Social & Behavioral Sciences (16 presentations)**

**Winner:** Alik Assi and Margaret Craw presented: *The Effects of Reward-Related Sensory Game Features on Simulated Online Gaming*. Mentor: Mariya Cherkasova. Both Alik and Margaret are majoring in Neuroscience at WVU.


**Runner-Up:** Jessica Benevides presented: *Differential Reinforcement of Hand Raising Also Reduces Talking Out in Classrooms*. Mentor: Claire St. Peter. Jessica is Psychology major at WVU.