

## **2008 CREST-Jane Goodall Science Symposium Awards List**

### **Special Awards**

*Outstanding Research in Psychology*

*American Psychological Association*

- *Sarah Schroeder, Wilsonville High School*

*Best Project Enforcing US Surgeon General Guidelines*

*U.S. Public Health Service*

- *Kathryn Flyte, West Linn High School*
- *Alexandra Frye, West Linn High School*
- *Brittany Saulsbury, West Linn High School*

*Outstanding Engineer Award*

*Herbert Hoover Presidential Library Association*

- *Avilash Cramer, West Linn High School*

*Innovative Engineering Award*

*National Society of Professional Engineers*

- *Trevor Schmitz, West Linn High School*

*Best Computer Science Project*

*Intel Corporation*

- *John Rognlie, West Linn High School*
- *Drew Snodgrass, West Linn High School*

*Outstanding Project by an 11th Grade Student*

*Yale University Science and Engineering Association*

- *Avi Levy, West Linn High School*
- *Cheng Tan, West Linn High School*

*Regional Sustainable Development Award*

*Ricoh Corporation*

- *Avilash Cramer, West Linn High School*

*Regional Stockholm Junior Water Prize*

*Water Environment Federation*

- *Kelsey Dean, Wilsonville High School*

*Taking the Pulse of the Planet Award*

*National Oceanic and Atmospheric Administration*

- *Kalia Bistolas, Wilsonville High School*

*Outstanding Use of the International System of Units*

*US Metric Society*

- *Jane Crotteau, Wilsonville High School*

*Army Science/Engineering Award*

*U.S. Army*

- *Avilash Cramer, West Linn High School*
- *Ambereen Bashar, West Linn High School*
- *Natasha Khoo, West Linn High School*
- *Avi Levy, West Linn High School*
- *Cheng Tan, West Linn High School*
- *Marisa Peralta, West Linn High School*

*Naval Science Award*

*U.S. Navy*

- *Kristina Sanders, Wilsonville High School*
- *Charlie Leineweber, Wilsonville High School*
- *Kalia Bistolas, Wilsonville High School*

*Award for Excellence in Scientific Research in Environmental Health*

*Oregon Environmental Health Association*

- *Nicole Panichello, West Linn High School*
- *Kelsey Guerins, West Linn High School*

*Best Use of Statistical Analysis*

- *Erin Beauchemin*

*Wilsonville High School*

*Best Demonstration of Field Knowledge*

- *Elliot Prince*

*West Linn High School*

*Best Experimental Design*

- *Sharon Shin*

*West Linn High School*

*Most Creative Project Idea*

- *Erin Beauchemin*

*Wilsonville High School*

*Best Project Display*

- *Shelby Patterson*

- *Alyssa Walhood*

*West Linn High School*

*Best 9<sup>th</sup> Grade Project*

●Sabrina Levy

*West Linn High School*

●Connie Swanson

*Anneli Tostar*

*West Linn High School*

*Best 10<sup>th</sup> Grade Project*

●Olivia Lisin, Kayla Nowlin, Joel Callagan

*West Linn High School*

●Calley Lathrop, Avery Breyne-Cartwright, Kaylyn Schaber

*West Linn High School*

*Best Medical Science Project*

●Anais Keenon

*Wilsonville High School*

*Best Biomedical Project*

●Jane Crotteau

*Wilsonville High School*

*Best Communication of Scientific Concepts*

●Ann Bernert

●Haley Epperly

*West Linn High School*

*Best Animal Sciences Project*

●Page McKowen

●Sarah Dawson

●McKinzey Holder

*West Linn High School*

*Best Plant Sciences Project*

●Ann Bernert

●Haley Epperly

*West Linn High School*

*WHS Booster Prize*

●Erin Beauchemin

●Brittney Steele

●Jenny Park

●Amanda Wunderlich

●Sarah Schroeder

●Kalia Bistolas

## Category Awards

### Physics, Chemistry and Biochemistry

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*Honorable Mention, Physics, Chemistry & Biochemistry*

Gregory White

- Effect of Colors on the Formation of Water Crystals

Amanda Wunderlich, Jenny Park

- The effect of differing surfactants on the quantity of dirt removed

*Third Place Physics, Chemistry & Biochemistry*

Avery Breyne-Cartwright, Calley Lathrop & Kaylyn Schaber

- Potassium Analysis Using Fluorimeter: Year One

*Second Place Physics, Chemistry & Biochemistry*

Nicole Panichello & Kelsey Guerin

- Comparing Levels of Protein and Mercury in Wild and Farm-Raised Pacific Chinook Salmon

Avi Levy, Cheng Tan

- Harnessing Sound Waves

*First Place Physics, Chemistry & Biochemistry*

Marisa Peralta

- Increasing magnetic field strength and applications to small generators

### Engineering, Mathematics & Computer Science

*Honorable Mention, Engineering & Mathematics*

Erin Beauchemin

- Testing the Significance of Artistic Differences in Pictographs

*Third Place Engineering & Mathematics*

Avilash Cramer

- Designing a more efficient sewing machine

*Second Place Engineering & Mathematics*

Stacey Cowan, Katelin McCoy

- Potential Maximum Volume Ipods Can Reach In Comparison To OSHA's Safety Standards

*First Place Engineering & Mathematics*

Drew Snodgrass, John Rognlie

- Robotic Mapping and Orientation via Known Landmarks

## **Medicine & Health, Microbiology**

### *Honorable Mention, Medicine & Health, Microbiology*

Alyssa McPartland, Adele Myers

- The effect of surface-area-to-volume ratio on the decomposition of muscle tissue

Brittany Saulsbury, Alexandra Frye, Kathryn Flyte

- The Effects of Hydration on Athletic Performance

Miranda Rasmussen, Marie Marshall

- Bacterial Populations In Wilsonville High School

### *Third Place Medicine & Health & Microbiology*

Brittney Steele

- Testing the Effects of "Drunk" Goggles on High Schoolers' Coordination

### *Second Place Medicine & Health & Microbiology*

Michael Biancardi

- The Effect of Soluble Fiber on a Type 1 Diabetic's Blood Glucose Level: A Case Study

### *First Place Medicine & Health & Microbiology*

Elliot Prince

- Effect of Education on Sleep Hygiene in High School Freshmen

## **Environmental Science, Earth Science, Botany and Zoology**

### *Honorable Mention Botany, Earth Science, Environmental Science, and Zoology*

Sarah Dawson, Paige McKowen, McKinzey Holder

- The communication in mice ability according to familiarity

Sharon Shin

- Feeder Goldfish Predicting Feeding With Sound Stimulus

Jane Crotteau

- The Effect of Kariva birth control on the regeneration of planaria

### *Third Place Botany, Earth Science, Environmental Science, and Zoology*

Kalia Bistolas

- DEAD ZONES: The Effects of Phosphorus-Enriched Environments on Cyanobacteria Algae

### *Second Place Botany, Earth Science, Environmental Science, and Zoology*

Ari Hopkinson, Mallory Griffith

- The Greenest Tree

*First Place Botany, Earth Science, Environmental Science, and Zoology*

Haley Epperly, Ann Bernert

- Sterilization of *Rubus discolor* In Vitro

### **Behavioral & Social Sciences**

*Honorable Mention, Behavioral & Social Sciences*

Samantha Hanlin, Kate Tolan

- How Music Affects Perception Of Time

Anneli Tostar, Connie Swanson

- Mental and Physical Differences in Identical and Fraternal Twins

Joel Callagan, Olivia Lisin, Kayla Nowlin

- Influence of Handwriting Quality on English Teachers' Grading

*Third Place Behavioral & Social Sciences*

Shelby Patterson, Alyssa Walhood

- Caffeine Expectancies: How Expectations Affect Performance on Memory and Attention

*Second Place Behavioral & Social Sciences*

Sabrina Levy

- Does growing up as a multilingual individual affect thought processes?

*First Place Behavioral & Social Sciences*

Sarah Schroeder

- Enjoyment Levels of Students Based on Manipulation for Regulatory Fit and Regulatory Non-Fit

### **Best of Show**

*Intel ISEF Observers*

- Kalia Bistolas, WHS
- Sabrina Levy, WLHS

*Best of Fair*

Elliot Prince, West Linn High School

- Effect of Education on Sleep Hygiene in High School Freshmen

*Best of Fair*

Marisa Peralta, West Linn High School

- Increasing magnetic field strength and applications to small generators

*Best of Fair Team*

Ann Bernert & Haley Epperly, West Linn High School

- Sterilization of *Rubus discolor* In Vitro