

**VAS SECTIONS and LOCATION OF SESSION MEETING ROOMS**

<b>Section</b>	<b>Building</b>	<b>Room</b>	<b># VJAS Presenters</b>	<b>Time for VJAS Presentations</b>
Astronomy, Mathematics, and Physics with Materials Science	Harris Hall	<b>2123</b>	2	11 – 11:30 am
Biology with Microbiology and Molecular Biology	Harris Hall	<b>2135</b>	2	11 – 11:30 am
Biomedical and General Engineering	Harris Hall	<b>2118</b>	2	11 – 11:30 am
Botany	Harris Hall	<b>2136</b>	2	11 – 11:30 am
Chemistry	Harris Hall	<b>2117</b>	2	11 – 11:30 am
Data Science Computing & Statistics	Harris Hall	<b>2105</b>	2	11 – 11:30 am
Education	Harris Hall	<b>2110</b>	2	11 – 11:30 am
Entomology	Harris Hall	<b>2138</b>		
Environmental Science	Harris Hall	<b>2125</b>	2	11 – 11:30 am
Medical Sciences	Harris Hall	<b>2114</b>	2	11 – 11:30 am
Natural History and Biodiversity	Harris Hall	<b>2132</b>	2	11 – 11:30 am
Psychology	Harris Hall	<b>2107</b>	2	11 – 11:30 am
Structural Biology, Biochemistry and Biophysics	Harris Hall	<b>2120</b>	2	11 – 11:30 am

## VJAS PRESENTERS FOR VAS SECTIONS

VAS Section	Building	Room	Time for VJAS Presentations	Student Presenter
Astronomy, Mathematics, and Physics with Materials Science	Harris Hall	2123	11:00 – 11:30 am	<p><b>Jacob Wilson</b></p> <p><b>An Analysis of the Mass, Volume, and Habitability of Exoplanets Based on the Distance Away from Stellar Host</b></p>
Astronomy, Mathematics, and Physics with Materials Science	Harris Hall	2123	11:00 – 11:30 am	<p><b>Jessica Lin</b></p> <p><b>The Effect of Fluoropolymer Coatings on the Corrosion of Cold Rolled Steel</b></p>
Astronomy, Mathematics, and Physics with Materials Science	Harris Hall	2123	11:00 – 11:30 am	<p><b>Dana Jones and Savannah Horton</b></p> <p><b>Getting WISE: A Search for Active Galactic Nuclei at the North and South Ecliptic Poles</b></p>
Biology with Microbiology and Molecular Biology	Harris Hall	2135	11 – 11:30 am	<p><b>Shan Lateef and Delaney Watts</b></p> <p><b>Nature Versus Nurture. Can We Defend our DNA?</b></p>
Biology with Microbiology and Molecular Biology	Harris Hall	2135	11 – 11:30 am	<p><b>Vanessa Lin</b></p> <p><b>Targeting PIK3CB to Treat Glioblastoma: Genomic Depleting PIK3CB Using CRISPER-Cas9</b></p>
Biology with Microbiology and Molecular Biology	Harris Hall	2135	11 – 11:30 am	<p><b>Haley Barefoot</b></p> <p><b>The Effect of Spent Grain on Ruminant Animal Digestion</b></p>

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Biomedical and General Engineering	Harris Hall	2118	11 – 11:30 am	<p><b>Logan Sheppard</b>  <b>The Effect of 3D Printed Hand Design on Picking up Weights</b></p>
Biomedical and General Engineering	Harris Hall	2118	11 – 11:30 am	<p><b>Eleanor Sigrest</b>  <b>All Choked Up: The Effect of Convergent Section Half Angle on the Thrust of a Cold Gas Rocket</b></p>
Biomedical and General Engineering	Harris Hall	2118	11 – 11:30 am	<p><b>Ryan Paoloni</b>  <b>The Effect of Golf Ball Construction on Distance Flown</b></p>
Botany	Harris Hall	2136	11 – 11:30 am	<p><b>Kishore Bhat</b>  <b>The Effect of Silver nanoparticles on the Growth of Elodea</b></p>
Botany	Harris Hall	2136	11 – 11:30 am	<p><b>Anuj Khemka</b>  <b>The Effect of Type of Detergent on Plant Growth</b></p>
Chemistry	Harris Hall	2117	11 – 11:30 am	<p><b>Mary Kate Comerford</b>  <b>The Effect of Moisture Absorption on the Tensile Strength of Seat Belts</b></p>

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Chemistry	<b>Harris Hall</b>	<b>2117</b>	11 – 11:30 am	<b>Mark Ryan</b> <b>A Smartphone Application that Learns, Detects and Analyzes Raman Backscattering to Both Distinguish Between and Identify Substances Based on their Chemical Composition</b>
Data Science, Computing and Statistics	<b>Harris Hall</b>	<b>2105</b>	11 – 11:30 am	<b>Kevin Bender</b> <b>Large-Scale Non-Negative Matrix Factorization for Community Detection of Graphics Processing Units</b>
Data Science, Computing and Statistics	<b>Harris Hall</b>	<b>2105</b>	11 – 11:30 am	<b>Michael Kish</b> <b>The Effect of Different Fractals on Necessary Factor of Magnification to See the Whole Image Repeated Three Times</b>
Data Science, Computing and Statistics	<b>Harris Hall</b>	<b>2105</b>	11 – 11:30 am	<b>Anandira Sharma</b> <b>The Effect of Brands of Fabric Softener on the Flammability Rate of Cotton</b>
Education	<b>Harris Hall</b>	<b>2110</b>	11 – 11:30 am	<b>Andion Dizon</b> <b>The Effect of Conditioner on Tensile Strength of Bleached Hair</b>
Education	<b>Harris Hall</b>	<b>2110</b>	11 – 11:30 am	<b>Julia Mudryk</b> <b>The Effect of the Brand of Permanent Hair Dye on the Rate of Fading of the Color</b>

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Education	<b>Harris Hall</b>	<b>2110</b>	11 – 11:30 am	<b>Nicola McHugh</b> <b>The Effect of Culture on Cell Phone Dependence: a Comparison Between Chinese and American Students</b>
Entomology	<b>Harris Hall</b>	<b>2138</b>		<b>Clark Bennett</b> <b>The Effect of Sunscreen Containing Oxybenzone or Zinc Oxide on the Stress Level and Survival of <i>Daphnia magna</i></b>
Entomology	<b>Harris Hall</b>	<b>2138</b>		<b>Noah Portner</b> <b>The Effect of Heat on Water Disinfection Using SODIS</b>
Environmental Science	<b>Harris Hall</b>	<b>2125</b>	11 – 11:30 am	<b>Skylar Brodowski</b> <b>Long-Term and Short-Term Effects of NASA Rocket Launches on Groundwater Contamination Around Virginia’s Eastern Shore</b>
Environmental Science	<b>Harris Hall</b>	<b>2125</b>	11 – 11:30 am	<b>Gabrielle Jennings and Sydney Lopez</b> <b>The Effect of Engineered Methods on Desalination and Water Purification</b>
Medical Science	<b>Harris Hall</b>	<b>2114</b>	11 – 11:30 am	<b>Andrew Caudell</b> <b>Constructing a Connectivity Map: Linking Genes Associated with Type II Diabetes using Genome Databases</b>

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Medical Science	<b>Harris Hall</b>	<b>2114</b>	11 – 11:30 am	<b>Jackson Riffie</b> <b>Using Fractal Dimension to Differentiate Between dysplastic and Healthy Cells</b>
Natural History and Biodiversity	<b>Harris Hall</b>	<b>2132</b>	11 – 11:30 am	<b>Cory O’Shea</b> <b>The Effects of Various Tree Species on Ethanol Production Efficiency</b>
Natural History and Biodiversity	<b>Harris Hall</b>	<b>2132</b>	11 – 11:30 am	<b>Ethan Schaefer</b> <b>The Nucleation Abilities of Various Glaciogenic Seeding Agents Based on Temperature</b>
Psychology	<b>Harris Hall</b>	<b>2107</b>	11 – 11:30 am	<b>Giovanni Mazzeo</b> <b>The Effect of a Placebo Drink on Memory</b>
Psychology	<b>Harris Hall</b>	<b>2107</b>	11 – 11:30 am	<b>Grant Harris</b> <b>The Effect of the Anchor on the Purchase Price</b>
Psychology	<b>Harris Hall</b>	<b>2107</b>	11 – 11:30 am	<b>Julia Buchholz</b> <b>The Effect of Media Imagery on Adolescent Girls</b>

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Structural Biology, Biochemistry and Biophysics	<b>Harris Hall</b>	<b>2120</b>	11 – 11:30 am	<b>Konstantinos Oikonormou</b> <b>A Study of the Anticancer and Antimicrobial Properties of Soil-Dwelling Streptomyces</b>
Structural Biology, Biochemistry and Biophysics	<b>Harris Hall</b>	<b>2120</b>	11 – 11:30 am	<b>Sarah Lambert</b> <b>Saving Lives of Pennies: Determining the Optimal Thickness of Inexpensive Polybatting for Filtering Volatile Organic Chemicals (VOCS) from a Biomass</b>