



2009 UURAF Award Winners

Congratulations to the 2009 UURAF Award Winners. This year's event was the largest in MSU history with 600 students participating in the forum. First Place Award Recipients will receive \$100. Grand Prize Award Recipients will receive \$500.

Grand Prize Winners:

- **Humanities, Social Sciences, & Communication Arts & Sciences:** Seth Morton, *Uncertainty Principles: The Changing Dynamic of Narrative and Theory in the 21st Century.*
- **Science, Mathematics, & Engineering:** Maulik Dhandha, Distinct Autoantibody Subtype Profiles Correlate with Defined Clinical Subgroups in *Pemphigus Vulgaris.*

AGRICULTURE, FOOD, & ENVIRONMENTAL SCIENCES

Category	Type	Student(s)	Project
Agriculture and Animal Science	Oral	Virginia Heinen	Migratory Restlessness in Wild-Living Passerines
Agriculture and Animal Science-Group 1	Poster	Erin Tans	Effects of Dressage Training on Performance in Halt to Trot and Trot to Halt Transitions
Agriculture and Animal Science-Group 2	Poster	Jennifer Cirino	The Use of Electro-Transformation for Insertion of Resistance Genes into <i>Phaseolus Vulgaris</i>
Environmental and Natural Resources	Oral	Megan Shavalier	Shedding and Persistence of Viral Hemorrhagic Septicemia Virus in Surviving Fish
Environmental and Natural Resources-Group 1	Poster	Morgan Lucke, Kathleen Peshek	Using Dendrochronological Techniques to Investigate the Effects of Global Warming on <i>Larix Laricina</i>
Environmental and Natural Resources-Group 2	Poster	Kristin Hummel	Role of Heat Shock Protein 70 (HSP70) in O ₃ -Induced Lung Inflammation
Health, Food, and Wellness	Oral	Marleah Dean	Content Analysis of Breast Cancer Websites

Health, Food, and Wellness	Poster	Teresa Johnson, Carla Christian, Cassandra Jenkins, Andrea Thompson	Redefining Bioavailability
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COMMUNICATION ARTS & SCIENCES

Category	Type	Student	Project
Communication Arts-Group 1	Oral	Valeria Inwald	Anxiety and Achievement: Investigating the Impact of Test Anxiety on College-Level Students
Communication Arts-Group 2 (Digital Media)	Oral	Andrew Vallentine, Nick Constantine, Peter Corriveau, Carly Ludtke	High Step: A Story of the Spartan Marching Band
Communication Arts-Group 3	Oral	Andrea Pollitt, Daniel Shillair	Sphere – An Experiment in Simplifying Gameplay, Scope, and Controls in Video Games to Facilitate Greater Player Immersion
Communication Arts-Group 1	Poster	Bethany Davis, Carly Fleming, Nicole Lysak, Emily Schneider, Miranda Sperry	Improving the Facebook Mobile Interface to Increase Usability
Communication Arts-Group 2	Poster	Reena Jain	An Exploratory Study of the Relationship Between Students' Facebook Use and Offline Political Activity
Communication Arts-Group 3	Poster	Jonathan Moore	Cabbage Quest

EDUCATION

Category	Type	Student	Project
Education	Poster	Laura Vielbig	Comparison of Physical Activity Levels During Structured and Unstructured Activities in Children and Adolescents

HUMANITIES

Category	Type	Student	Project
Humanities and Performing Arts-Group 1	Oral	Seth Morton	Uncertainty Principles: The Changing Dynamics of Narrative and Theory in the 21 st Century
Humanities and Performing Arts-Group 2	Oral	Joseph Sbar	Reading Between the Lions: Explaining Continuous Narrative in the Lion Hunt Reliefs from the Palace of Ashurbanipal
Humanities and Performing Arts	Poster	Josephine Slavsky	3-D Computer Based Model of an Archaeological Site on the Island of Crete
Performance Demonstration	Performance	Sigal Hemy, Borah Han, Laura Rasmussen	Variations on America

MATH, COMPUTER SCIENCE, & ENGINEERING

Category	Type	Student	Project
Engineering (Group 1)	Poster	Michael Wiederoder, Kyle Anderson, Jackie Palmer, Thomas Skrocki	Post Processing Microbial Control of Peeled Chestnuts
Engineering (Group 2)	Poster	Hanna Miller	Novel Electrically Active Polyaniline Coated Magnetic (EAPM) Nanoparticles for Magnetic Concentration of Bacteria
Engineering (Group 3)	Poster	Alyse Egner	Analysis of Vegetated Filter Strips in Treatment of Agriculture Runoff

NATURAL & PHYSICAL SCIENCES

Category	Type	Student	Project
Cell Biology, Genetics, and Genomics	Oral	Joshua Bilsborrow	DKR: Enhanced Conversion of Alpha-Arylalanines to Beta-Arylalanines Via Coupled Racemase-Pam Reaction
Cell Biology, Genetics, and Genomics (Group 1)	Poster	Stacie Dodgson	Investigation of the Genetic Basis of Cobalamin Malabsorption in Hungarian Komondors

Cell Biology, Genetics, and Genomics (Group 2)	Poster	TIE—Two First Place Awards: Paige Winkler Dennean Lippner	Exclusion Analysis of Candidate Genes Underlying Hereditary Ectopic Ureters in Entlebucher Dogs Role of Caspase 2 in Type I Diabetic Bone Loss
Cell Biology, Genetics, and Genomics (Group 3)	Poster	Austin Be	Analysis of a Putative Chloroplast Division Gene, SSZ1
Biochemistry and Molecular Biology (Group 1)	Poster	Thomas Cooke	A Stabilized Splice Variant of the Jasmonate Zim-Domain Protein JAZ 10 Represses Jasmonate Signaling in Arabidopsis
Biochemistry and Molecular Biology (Group 2)	Poster	Nelson Winkler	Metabolomic Analysis Using Femtosecond Laser-Induced Ionization Dissociation (FS-LID)
Microbiology, Immunology, Infectious Disease (Group 1)	Poster	Scott Henderson	Differences in Adhesion Between Enterohemorrhagic Escherichia Coli O157:H7 Clades 8 and 2
Microbiology, Immunology, Infectious Disease (Group 2)	Poster	Maulik Dhanda	Distinct Autoantibody Subtype Profiles Correlate with Defined Clinical Subgroups in Pemphigus Vulgaris
Microbiology, Immunology, Infectious Disease (Group 3)	Poster	Jennifer Sidge	A Comparison of the Genetic Diversity of the Lyme Disease Pathogen, Borella burgdorferi, from Endemic and Recently-Invaded Blacklegged Tick Populations in Michigan
Physical Sciences (Group 1)	Poster	Nathan Sanders	Photometric Survey of Globular Cluster Systems of Early-Type Galaxies
Physical Sciences (Group 2)	Poster	Richard Worhatch	Modeling Electronic Charge Transfer of Gold Nanoparticles at the Ultrafast Timescale

SOCIAL SCIENCES

Category	Type	Student	Project Title
Social Science-General (Group 1)	Poster	August Evrard, Malcolm Doering, Katie Fraser, Samantha Giuffre	I Probably Would Put Probably Second: Pre-Auxiliary Adverbs in American English
Social Science-General (Group 2)	Poster	Chelsea Ridenour, Allison Burkholder, Carli Zyskowski	Uncovering the Silence: Young Women Invisible in Sudan's Civil War
Social Science-General (Group 1)	Oral	Megan O'Brien	Squatter Settlements in Latin America: Santa Elena, Venezuela and Lima, Peru
Social Science-General (Group 2)	Oral	Jennifer White	Assessing the Access to Healthcare: The African-American Infant Mortality Rate
History, Political Science, & Economics	Poster	Laura Kovacek, Martin Fox, Christopher Smith	The Chicago Workshop Model: Normalizing or Fragmenting Scientific Collaboration?
History, Political Science, & Economics (Group 1)	Oral	Matthew Murray	Regime Change in Tripoli
History, Political Science, & Economics (Group 2)	Oral	Anupama Prasad, Andrew Bristle	The Implications of Eliminating the Property Tax
Psychology (Group 1)	Poster	Amy Campbell	Brain Responses Underlying Circadian Rhythm Disruption
Psychology (Group 2)	Poster	Kayla Musielak, Jessica Burdick	A Study of Letter Name Knowledge
Psychology	Orals	Bradley Lawrence	Pubertal Development of the Sexual Dopaminergic System in Male Hamsters