

2007 UURAF AWARD WINNERS

GRAND PRIZE WINNERS (2):

1. **Science, Math, & Engineering:** Waleed Brinjikji, Ramy Goueli, *The Role of Src-Homology-3 in the Activation Mechanism of MLK3*
2. **Social Sciences, Humanities, & Communications Arts & Sciences:** Katherine Morabito, *Individual Differences in Memory in Relation to Emotional Stimuli*

ORAL PRESENTATIONS

CATEGORY	FIRST PLACE AWARD	MERIT AWARD
Cell Biology, Microbiology, & Biochemistry	Lauren Broske, <i>Haplotype Analysis of GJB2 Regulatory Region</i>	Karley Hermans, <i>Characterization of the Production of Reuterin, an Antimicrobial Compound Secreted by Strains of Probiotic Lactobacillus Reuteri</i>
Communications Arts & Sciences--Group 1	Jenna Bender, Shannon Morey, Erin Roach, <i>The Effects of Liking on Compliance After a Pregiving Favor</i>	Marie Hollenbeck, <i>Developing Community Media: A Social Network Analysis of Local Media Users</i>
Communications Arts & Sciences--Group 2	Jeffrey Allen, Mike James, Mike Kelly, <i>The Re-Enactor</i>	Aaron Berton, Jason Conley, Joe Fitzgerald, Addam Pushman, David Sahlin, Tom Stark, Eric Vogel, <i>Serious Game on Training Proper Hygiene Practices in Child Care Centers</i>
Engineering, Computer Science, & Math	Adam Dietrich, <i>Non-Destructive Firmness Analysis on Apple Fruit</i>	Marc Schlaud, <i>In Vitro Exercise Affects the Response of Articular Cartilage to Blunt Impact Loading</i>
Food, Agriculture, & Environmental Science	Monica VanKlompberg, <i>Hypergravity Exposure Affects Lipid Synthesis in Rat Mammary Gland During Pregnancy and Lactation</i>	RajReni Kaul, <i>Effects of Nutrients on the Genetic Structure of M. Aeruginosa</i>
Humanities--Group 1	Nathaniel Bliton, <i>Out/In Sound: A Piece on my Compositional Process</i>	Ryan Shannon, <i>Imagings of Biological Eschatology: Post Human Sentience in Fiction</i>
Humanities--Group 2	Jasmine Angelini-Knoll, <i>Memoirs of Genocide: From Poland to Sudan</i>	John Breen, <i>The Poetry of Horace and the Economy of the Roman Principate</i>
Molecular Biology	Elizabeth Bartlett, <i>Bovine Hereditary Zinc Deficiency: Identification of a Splice Site Mutation and Evaluation of Functional Consequences</i>	Steffany Kerkstra, <i>Investigation of LRRK2 Homodimerization</i>

Orals Presentations, (Continued)

CATEGORY	FIRST PLACE AWARD	MERIT AWARD
Social Science--Group 1	Katherine Morabito , <i>Individual Differences in Memory in Relation to Emotional Stimuli</i>	Alexander Brown, Timothy Clark, Elyssa Fielder, Amrita Jaswa, Allison Pianosi, Kevin Shrestha , <i>Using fMRI to Investigate Functional Anatomy of the Human Brain</i>
Social Science--Group 2	Kathleen Watson , <i>Regional Destabilization and Post-Apartheid Reconciliation in Southern Africa</i>	Adam Wagner , <i>Spartan Security: The MSU Police Group in South Vietnam 1955-1961</i>
Social Science--Group 3	Kyle Steele , <i>UnLockeing Liberalism: A New Morality of Individual Rights</i>	Justin Haveman, Kim Kyungrok, Aaron Warshay , <i>An Analysis of Modern Society via Comparision</i>
Social Science--Group 4	Nicholas Romley , <i>Can Campaign Promises be Held as Truth? An Analysis of the 1998 Freshman Senate Class</i>	Charles Szafir , <i>Majority Party Power in the U.S. Senate</i>
Social Science--Group 5	Luke Capizzo , <i>Rhetoric, Technology, and the American President: Adaptation to Radio, Television, and the Internet</i>	Erin Biebuyck , <i>Prudes and Perverts: The Role of the Dichotomous 'Other' in Sex Advice Literature</i>

POSTER PRESENTATIONS

CATEGORY	FIRST PLACE AWARD	MERIT AWARD
Biochemistry--Group 1	Kimberly Anderson , <i>Analysis of Putative Nickel Binding Residues in Klebsiella Aerogenes UreG</i>	Andrea Stavoe , <i>A Role for the Mg-Chelatase Complex in Chloroplast Biogenesis in Arabidopsis Thaliana</i>
Biochemistry--Group 2	Seth Dickey , <i>Interaction of Galectins and TFII-I: Their Role in pre-mRNA Splicing</i>	Farid Nossoni , <i>Studies on the Protein-Substrate Hydrophobic Interactions of the Retinoid Binding Proteins</i>
Cell Biology	Kathryn Fletcher , <i>The Role of hRev7 in Human Mutagenesis</i>	Sarah Rothstein , <i>Short-Term Exposure to Anesthesia in Newborn Rats has Chronic Debilitating Effects on Anatomy and Behavior</i>
Communications Arts & Sciences--Group 1	Nathaniel Bliton , <i>Bovalve Synthesizer Controller</i>	Tracy Tuyn , <i>Examining the Use of Diadochokinetic Rate Measures in Speech-Language Pathology Graduate Programs</i>
Communications Arts & Sciences--Group 2	Carolyn LaPlante, Samantha Munday , <i>The Prevalence of Theoretical Behavior Change Components in the Top Breast Cancer Websites to Encourage Detection or Prevention Behaviors and to Solicit Donations</i>	Hazel Atienza, Sameer Bhagwan, Alicia Kramer, Allan Morris, Daniel Pabst, Amy Warren, Nathan Williams , <i>Output Levels of the Apple iPod for Three Types of Earphones</i>
Engineering, Computer Science, & Math--Group 1	Emma Hummel , <i>A New Magnetic Polymer for use in the Electrochemical Biosensor for Bacillus Cereus</i>	Zachary Beamer, Erica Manoppo, Dan Shaffer, Phillip Studans , <i>Dynamics of the Tent Map: Chaos, Fixed Orbits, and Fractals</i>
Engineering, Computer Science, & Math--Group 2	Matt Ryerkerk , <i>Sensitivity Analysis of DSC Measurements of Denaturation of a Protein Mixture</i>	Brian Goldberg, William Monticello, Joseph Podolsky , <i>Investigation into the Coefficient of Thermal Expansion of Portland Cement Concrete</i>
Food, Agriculture, & Environmental Science--Group 1	Victoria Hekman, Andrea Minella, Leslie Warner , <i>Home Sweet Home-or is it? The Impact of Housing Systems on Chicken Welfare and Behavior</i>	Liana Nichols , <i>Differentiating the Effects of Soil Fertility and Microbial Communities on Corn Yield in Diverse Crop Rotations</i>

Posters, Continued

Food, Agriculture, & Environmental Science-Group 2	Justin Biega, Priyanka Joshi, Brittany Murphy, <i>Sustainable Use of MSU Copy Paper</i>	Amy Hendricks, <i>Preparation of an Extruded Bean-Corn mixture to Improve the Nutritional Status of Small Children in Tanzania</i>
Humanities—Group 1	Seth Morton, <i>Ink: A Serious Online Multiplayer Game Designed to Facilitate the Teaching and Learning of Writing</i>	Marianne Tritten, <i>Cultural Geology Guidebook to the North Campus of Michigan State University</i>
Humanities—Group 2	Sarah Van Domelen, <i>Laboratory Row: History, Renovation, and Preservation</i>	Heather Arnold, <i>Historical Trends of Building Stone Use on Michigan State University Campus</i>
Microbiology—Group 1	David Stepien, <i>Dominant Negative HrpA Mutants with Changes of Amino Acid Residues Critical to Hrp Pilus Assembly and Function in Type III Secretion</i>	Erica Lehotzky, <i>Epidemiology and Characterization of Group B Streptococcus (GBS) Isolated from Non-Pregnant Female College Students</i>
Microbiology—Group 2	Lisa Abernathy, <i>Molecular Identification, Virus Detection, and Blood Meal Analysis of a West Nile Virus Vector</i>	Keara Grady, <i>RNA Silencing in the Determination of Symbiosis-Related Genes in Heterorhabditis Bacteriophora</i>
Molecular Biology-Group 1	Mohammad Esfahanian, <i>Common Markers of Sympathetic Neurons are Unchanged Following Functional Chemical Denervation by 6-Hydroxydopamine</i>	Allison Blaine, <i>Assessment of Chloroplast Gene Function through Open Reading Frame Variability</i>
Molecular Biology-Group 2	Waleed Brinjikji, Ramy Goueli, <i>The Role of Src-Homology-3 in the Activation Mechanism of MLK3</i>	Megan Sargent, <i>Mutant Screen for Upstream Components of the Cold Acclimation Response in Arabidopsis Thaliana</i>
Physical Sciences—Group 1	Jeffrey Ambrose, <i>Does Chronic Endurance Training Influence the Magnitude of the Post-Contractile Blood Flow Increase</i>	Matthew Montney, <i>Divalent Metal Coordination Polymers with Flexible Chain Dicarboxylic Acids and 4,4'-Dipyridylamine</i>
Physical Sciences—Group 2	David Martin, Justin Thomas, <i>Synthesis, Structure and Magnetic Properties of Trimetallic Mu-tert-butylimide Complexes</i>	Maxwell Braverman, <i>Synthesis and Characterization of Metal Benzenedi- and Tri-Carboxylate Coordination Polymers Incorporating the Kinked Dipodal Organodiimine 4,4'-dipyridylamine</i>

Posters, Continued

Social Science--Group 1	Richard Chasney, Elizabeth Huber, Christopher Irby, Jennifer Krohn, Elizabeth Ravidoux, Noel Schroeder, <i>Crime Heinousness and Juror Decision Making</i>	Matthew Piszczek, <i>Social Disapproval and Individual Differences in Social Dilemmas</i>
Social Science--Group 2	Meghan McKenzie, <i>The Interactive Effects of Domestic Violence and Substance Use on Maternal Parenting Behaviors</i>	Zachary King, <i>Hormonal Regulation of Neural Plasticity in the Adult Mouse Amygdala</i>
Social Science--Group 3	Peter Klecha, <i>Future Reference in Spontaneous Child Language</i>	Joseph Jalbert, <i>Adult Use of Future Tense Markers</i>