

## **UURAF WINNERS 2005**

### **ORALS**

<b>Category</b>	<b>Prize</b>	<b>Presenter</b>	<b>Title of Presentation</b>
Physical Sciences			
	First	Darya E. Howell	Catalytic Hydrogeneration of 1, 2 Cyclopentanediols: Applications in Green Industrial Chemistry
	Merit	Janelle C. Shane	Pulse Shapes and Patterns: Mapping Coherent Control Problems
Business & Communication Arts			
	First	Paul Summers	Establishing Communication in Rural Markets in Michigan
	Merit	Lucie J. Richards	Smoking Cessation & Theory of Planned Behavior
	Merit	John W. Phillip III, Andres S. Galarza, Adam R. Clegg, Tyler C. Smeltekop, Deborah R. Grace	Redesigning the Career Services and Placement Website
Engineering			
	First	Michelle K. Foncannon	Effects of Increasing Heel Stiffness in Athletic Shoes on Impulsive Loads while Running
	Merit	David A. Bendert	Aggregate Interlock in Reinforced SCC Members
Biochemistry & Molecular			
	First	Kirk B. Burkhart	Connexin 26 Hearing Loss: Searching for a Novel Mutation
	Merit	Timothy Howes	Silencing Conserved Plant Genes with Tobamoviral Vectors
	Merit	Monica Markoviski	Thermal Folding Studies of the Cholera Secretion Protein EpsG
Cell Biology & Microbiology			
	First	Nikola Vuljaj	Identification of Burkholderia cepacia Complex Members and Virulence Genes Necessary for Infection and Disease Causation in Humans, Animals and Plants
	Merit	Elizabeth A. Bartlett	Characterization of the Gene Responsible for bovine Hereditary Zinc Deficiency
	Merit	Kathryn M. Gonyea	Role of hUbc13 in Damage Avoidance during DNA Replication by Human Fibroblasts past

			Fork-blocking Lesions
Social Sciences (1)			
	First	Chenai J. Muzamhindo	Culture, Self-Concept and Self-Esteem in Depressed Japanese and American Women
	Merit	Jeri M. Bertapelle	Older Adults Look Back
	Merit	Jennifer M. Schmidt	Society's Control of Gender: A Look at MSU's Gender Notions
Social Sciences (2)			
	First	Arthur R. Sandt	Investigating the Ecological Validity of Emotion Induction Using Pictorial Stimuli in the Laboratory: A Psychophysiological Assessment
	Merit	Alicia Ratterree	A Wolf at the Door: The Re-emergence of European Anti-Immigration Parties
	Merit	Shanti A. Zaid	Reading Between Sacred Lines: Status of Regla de Ifa Leadership in Santiago de Cuba
Humanities			
	First	Megan M. Carroll	The Ideal Beauty
	Merit	Lindsey A. Bertolini	Understanding Aesthetic Development
	Merit	Kate L. Fedewa	Making Classics Current: Student-friendly Magazines as Supplementary Materials
Agriculture & Natural Resources			
	First	Allison M. Meyer	Effect of Age on Antioxidant Activity in Muscle and Identification of Iron Regulatory Proteins in Liver of Cattle
	Merit	Kristen A. Pratt	MSU's Project FISH (Friends Involved in Sportfishing Heritage) Program and Its Impacts on Different Stakeholders
	Merit	Andrew F. Knowles	Experimental Method to Quantify Sand Residual Sand in Produce

## POSTERS

Category	Prize	Presenter	Title of Presentation
Molecular Biology			
	First	Nathan D. Lord	Isolation of Gen5-Containing Coactivator Complexes from Tomato and Arabidopsis thaliana
	Merit	Steffany M. Kerkstra	Site-directed mutagenesis of the catalytic domain of Mixed Lineage Kinase MLK3
	Merit	Bryan D. Mets	The role of Sprouty-2 in the transformation of Human Cancer Cell Lines in the Presence or the

			Absence of Ras-activating Mutations
Agriculture & Natural Resources			
	First	Jennifer L. Carroll	At-sea Surveys of Marbled Murrelets- Methodological Considerations
	Merit	Rachel L. Carpenter	Exogenous Dietary Cellulase Does Not Increase Fiber Digestibility in Mature Horses
	Merit	Amy Hendericks	Thermal Resistance of Salmonella in Whole Muscle Versus Ground Pork
	Merit	Gail M. Bornhorst	Kinetics of Thermally-induced Shrinkage of Beef Muscle During Cooking
Humanities			
	First	Jacqueline M. Kinney & Andrew R. Sewick	Plurality and Maximality in Children's Comprehension of Definite noun Phrases
	Merit	Colleen M. Crawford	South Pacific Serenity
Biochemistry (1)			
	First	Sze-Ling Ng	CtBP as a Candidate Phospho- CTD Interacting Protein
	Merit	Katherine M. Ruby	The Proline- and Glycine-rich Domain of Galectin-3. Epitope for the Mac-2 Monoclonal Antibody and Its Functional Significance in pre-mRNA Splicing
	Merit	Greg T. Costakes	Crystallization of Human Asparaginyl tRNA Synthetase for Negative Drug-design
Biochemistry (2)			
	First	Kartik Vismanathan	Regulation of Mixed Lineage Kinase 3(MLK#) by Peptidyl Prolyl cis/trans Isomerase (Pin1)
	Merit	Zafar A. Sayed	Quantitative Analysis of the Neuroprotective Agent Apocynin in a Murine Model of Parkinson's Disease using HPLC-ED
	Merit	Samuel A. Molina	Cloning Expression and Characterization of the Polycomb Group PRC2/3 Complex
Social Science (1)			
	First	Nancy B. Carlisle	Celebrity Spotting
	Merit	Kendal Holtrop	Relationship Variables and Ideal Romantic Partner Preferences
	Merit	Daniel Moore	Examining the Effects of Training on Working Memory Processes in the Tower of Hanoi Game
Social Sciences (2)			
	First	Leslie A. Crimin	Perceptions of the Overweight and Psychological

			Well-being: Variations by Gender and Weight Status
	Merit	David B. McClintick	The Simon and Ehrlich Wager: A Historical Perspective
	Merit	Andrew D. Poole	Does Ovarian Estrogen Exposure During Puberty Defeminize Reproductive Behavior in Female Syrian Hamsters?
Cell Biology			
	First	Michelle A. Gilmer	Isolation of Clonal Breast Cancer Xell Lines that Inducibly Express Mixed Lineage Kinase 3 Variants
	Merit	Kevin K. Ogden	The Cytochrome P4503A4 Inhibitor Ketoconazole Does Not Reveal 5-HT Stimulated Superoxide in Rat Aorta
Business & Communication Arts (1)			
	First	Lucy Xing	Accamentary
	Merit	Stephanie A. Pittman	Censorship
Business & Communication Arts (2)			
	First	Amber L. Zmick	Speech Production Abilities old a 9-year-old Cochlear Implant User with Partial Insertion Due to Mondini Malformation
	Merit	Stephanie A. Pittman	Paula Scher
	Merit	Allison K. Chamberlain	The Power and Impact of Feminist Art
Physical Sciences			
	First	Sayee Kiran & Lauren Kensrud	Why DO we See Colors?: Trying to Understand Color Vision
	Merit	Shankar Arul	Simulations of Effusion Rates from Generic ISOL Target Geometries
	Merit	Julie A. Krugler	A New Analysis of the Bidelman & MacConnell Low-Metallicity Candidates
Microbiology			
	First	Kristy A. Bachus	Identification and Analysis of an Actinobacillus Pleuropneumoniae Serotype 1 Operon Homologous to the NQR Operon
	Merit	Remy L. Brim	Mapping the 5' End of Trypanosoma brucei's Mitochondrial Maxicircle Precursor Transcript
	Merit	Jonathon D. Lenz	Global Gene Expression in Neisseria Gonorrhoea in Response to Antibiotic Stress