



2008 UURAF Award Winners

Grand Prize Winners:

- **Humanities, Social Sciences, & Communication Arts & Sciences:** Megan M. Sutton, Thao Dinh, Andrew Valentine, Marie N. Hollenbeck, *CHILDREN'S USE OF PROSODY TO DETERMINE SYNTACTIC STRUCTURE.*
- **Science, Mathematics, & Engineering:** Andrea Stavoe, *GUN201 ENCODES A TPR PROTEIN OF UNKNOWN FUNCTION AND DEFINES A NEW PLASTIDTONUCLEUS SIGNALING PATHWAY.*

AGRICULTURE & ENVIRONMENTAL SCIENCES

Food, Agriculture, and Environmental Science-1	Oral	first	Jenee Witherspoon	POTENTIAL NITROGEN CONTRIBUTION TO THE ENVIRONMENT FROM SIX TYPES OF EQUINE BEDDING
Food, Agriculture, and Environmental Science-1	Oral	merit	Carolyn Gillen	USE OF EDGE HABITAT FOR FORAGING BY NORTHERN GOSHAWKS
Food, Agriculture, and Environmental Science-2	Oral	first	Danielle Scheetz	ANTI MULLERIAN HORMONE IN HEIFERS WITH HIGH VERSUS LOW NUMBERS OF ANTRAL FOLLICLES GROWING DURING OVARIAN FOLLICULAR WAVES
Food, Agriculture, and Environmental Science-2	Oral	merit	Britt Larson	THE RELATIONSHIP BETWEEN REIN TENSION AND NATURAL OSCILLATIONS OF THE HEAD AND NECK IN THE TROTTING HORSE
Food, Agriculture, and Environmental Science-3	Oral	first	Rebecca Busk Aubrey Higginbotham Michelle Slavin Ashley Varg	RAPID DETECTION OF E COLI IN RECREATIONAL WATERS
Food, Agriculture, and Environmental Science-3	Oral	merit	Elizabeth St. James	THE EFFECTS OF WOODLOT SIZE AND HABITAT ON THE NUMBER OF BIRD SPECIES WITHIN THE WOODLOT
Food, Agriculture, and Environmental Science-1	Poster	first	Karl DeVries Lindsay Hatter Johanna Kinsler David Tindle	IMPACTS OF BOTTLED WATER USE BY STUDENTS ON THE MICHIGAN STATE UNIVERSITY CAMPUS AND PROMOTION OF AVAILABLE ALTERNATIVES
Food, Agriculture, and Environmental Science-1	Poster	merit	John Darling Emma Distel Brian Ryerkerk Caitlin Taylor	GREEN ROOF COST BENEFIT ANALYSIS
Food, Agriculture, and Environmental Science-2	Poster	first	Amanda Lorenz	INTERACTIONS OCCUR BETWEEN AUTOCHTHONOUS AND ALLOCHTHONOUS PROCESSES IN A HEADWATER STREAM
Food, Agriculture, and Environmental Science-2	Poster	merit	Chelsea Bickerstaff Andrea Cohen Colleen Guidot Kevin Mazor Shaina Selbig	IMPACT OF EQUINE NUTRITION PRACTICES ON THE ENVIRONMENT AND ECONOMICS
Food, Agriculture, and Environmental Science-3	Poster	first	Alexander Lindsey	EFFECT OF SOIL TYPE ON ROOT DEVELOPMENT OF PINUS PONDEROSA VAR SCOPULORUM UNDER DROUGHT CONDITIONS

Food, Agriculture, and Environmental Science-3	Poster	merit	Aimee Campbell	THE EFFECT OF GLUCOSAMINE AND CHONDROITIN SULFATE ON PORCINE CARTILAGE
Health and Wellness	Poster	first	Nicole Goldman	TEXTURAL ANALYSIS OF COOKIES WITH INCREASING PERCENTAGES OF CRANBERRY BEAN FLOUR
Health and Wellness	Poster	merit	Sarah Drake Elizabeth Zanley	IS NONDIET ONLINE INTERVENTION FOR WEIGHT MANAGEMENT IN COLLEGE STUDENTS EFFECTIVE

BUSINESS

Business	Oral	first	Roger Ludy	MICHIGAN WASTE MANAGEMENT
Business	Oral	merit	Jared Merlo	ENTREPRENEURS AND THE INSIGHTS THEY PROVIDE

COMMUNICATION ARTS & SCIENCES

Communication Arts & Sciences	Oral	first	Kristen Lee	THE RACIALIZATION OF HAWAII NATIVE SENATOR BARACK OBAMA IN STATE AND NATIONAL MEDIA: A CROSS MEDIA ANALYSIS
Communication Arts & Sciences	Oral	merit	Shalane Walker	COVERAGE OF MENTAL ILLNESS IN AFRICAN AMERICAN MAGAZINES
Digital Media	Oral	first	Frank Geist Harry Moroz	GOTH-AM CITY 2
Digital Media	Oral	merit	Frank Geist Cory Garcia Tyler Tagami	BRIEF: THE STORY OF BLOODBOIL
Communication Arts & Digital Media-1	Poster	first	Brian Bandemer	PHANTOM SMOKING
Communication Arts & Digital Media-1	Poster	merit	Benjamin Wiedmaier	THE INFLUENCE OF MYSPACE FACEBOOK EVENTS ON INTERPERSONAL RELATIONSHIPS
Communication Arts & Digital Media-2	Poster	first	Clayton Boylan	MOBILE CONTENT SERVICES: A CASE OF OAKLAND COUNTYS EGOVERNMENT
Communication Arts & Digital Media-2	Poster	merit	Christine Honer Meredith Morgan	META ANALYSIS OF HUMANCOMPUTER INTERACTION RESEARCH

EDUCATION

Education	Oral	first	Sam Rossmans	MISSING CONNECTIONS IN GLOBAL CHANGE
Education	Oral	merit	Andrew VanEgmond	VIRTUAL HISTORY MUSEUM
Education	Poster	first	Lucan Chatterley Dae Choi Courtney Fohlbrook Elyse Hahn Anna Johnson Alycia Sedlacek	CREATING A WEB BASED TUTORIAL FOR COMMUNITY HEALTH WORKERS
Education	Poster	merit	Melinda Bringard Kara Constantine Emily Young	RESILIENCE WITHIN HEAD START PRESCHOOLERS: PREVALENCE OF DECA PROTECTIVE

ENGINEERING

Engineering-1	Poster	first	Robert Friederichs	BIOCOMPATIBILITY OF AMORPHOUS DIAMOND LIKE CARBON COATED TI AND COCRMO IMPLANTS
Engineering-1	Poster	merit	Romali Ranasinghe	BIOSYNTHESIS OF GOLD NANOPARTICLES

Engineering-2	Poster	first	Chelsea House	A STITCH AHEAD: EXAMINING THE PROPERTIES OF ETHICON, INC SUTURES USING SCANNING ELECTRON MICROSCOPY
Engineering-2	Poster	merit	Brian Castro	APTAMER SELECTION FOR MICROORGANISM DETECTION PRELIMINARY ASSAYS

HUMANITIES

Humanities- Group 1	Oral	first	Megan E. Sutton	MEASURING IDENTIFICATION OF NATIVE-LIKE SPANISH PRONUNCIATION
Humanities-Group 1	Oral	merit	Debbie Labeledz	CASE STUDIES IN GLOBALIZATION: THE LIVES AND WORK OF MONA HATOUM AND YINKA SHONIBARE
Humanities- Group 2	Oral	first	Lauren Steffy	THE EFFECT OF MUSICAL STYLE ON THE THRESHOLDS FOR PERCEIVING TEMPO MODULATION
Humanities- Group 2	Oral	merit	Brandi Bridges	BLACK LABORWHITE WEALTH: THE BLACK MALE ATHLETES QUEST TO FIND HIS OWN
Humanities, Visual, & Performing Arts	Poster	first	Megan McNally	HISTORIC INTERIORS OF MICHIGAN STATE UNIVERSITY BUILDINGS
Humanities, Visual, & Performing Arts	Poster	merit	Erin McCue	LEAD SARCOPHAGUS

NATURAL SCIENCES

Biochemistry-1	Poster	first	Andrea Stavoe	GUN201 ENCODES A TPR PROTEIN OF UNKNOWN FUNCTION AND DEFINES A NEW PLASTIDTONUCLEUS SIGNALING PATHWAY
Biochemistry-1	Poster	merit	Ardian Coku	THE ROLE OF A NOVEL DNA-LIKE PROTEIN IN FATTY ACID METABOLISM
Biochemistry-2	Poster	first	Srikanth Aravamuthan	COMPUTATIONAL ANALYSIS OF MOLECULAR STRUCTURES USING SLIDE
Biochemistry-2	Poster	merit	David Grindem	PURIFICATION AND CRYSTALLIZATION OF THE NEISSERIA GONORRHEAE PROTEIN NG1684
Cell and Molecular Biology	Oral	first	Tychele Turner	IDENTIFICATION AND ANALYSIS OF GAMMA AND BETA ACTIN PROTEIN INTERACTIONS WITHIN THE INNER EAR THROUGH THE USE OF A YEAST TWO HYBRID
Cell and Molecular Biology	Oral	merit	Blaire Varnes	CHANGES IN MYOBLAST ACTIVITY DURING PIG DEVELOPMENT ARE NOT EXPLAINED BY INHERENT DIFFERENCES IN PHENOTYPE OR GLOBAL GENE EXPRESSION PATTERNS
Cell and Molecular Biology	Poster	first	Keara Grady	INVESTIGATING POSSIBLE MOLECULAR MECHANISMS FOR THE REGULATION OF ANGIO AND ITS ROLE IN IDIOPATHIC PULMONARY FIBROSIS
Cell and Molecular Biology	Poster	merit	Mohammad Esfahanian	ANALYSIS OF CARDIAC NOREPINEPHRINE (NE) TRANSPORTER (NET) MRNA AFTER REMOVAL OF THE STELLATE GANGLIA
Math	Oral	first	Dale Chapman Jeffrey Wyka	SOME PROPERTIES OF GENERALIZED FIBONACCI POLYNOMIALS
Math	Oral	merit	Kathryn Bonnen Rachel Klavon	MATHEMATICAL STRATEGIES FOR TWO-PERSON COMBINATORIAL GAMES

Genetics	Poster	first	Megan Barry	GENETIC BASIS FOR VITAMIN B12 MALABSORPTION IN HUNGARIAN KOMONDORS
Genetics	Poster	merit	Danielle Fasseel	GENETIC MAPPING OF A GENE THAT REPRESSES FLOWERING
Microbiology-1	Poster	first	Adam Bates	CHARACTERIZATION OF PAP AND FOC FIMBRIAL GENE EXPRESSION IN UROPATHOGENIC E COLI USING LUX REPORTER SYSTEM
Microbiology-1	Poster	merit	William DePas	CONSTRUCTION OF AN IMPROVED ADENOVIRUS BASED VACCINE BY EXPRESSION OF AN EIMERIA SPP DERIVED PROTEIN
Microbiology-2	Poster	first	Meg Callahan	P33 AND ITS IMPORTANCE TO BACULOVIRUS INFECTIONS
Microbiology-2	Poster	merit	Chike Anadumaka	DIOXYGENASE GENE DIVERSITY
Neurosciences and Behavior	Oral	first	Alex Jendrusina Chris Riedinger Doug Darden	COMPARING BRAIN ACTIVATION BETWEEN READING STORIES AND SOLVING MATH PROBLEMS USING FMRI
Neurosciences and Behavior	Oral	merit	Bradley Anderson Kristin Ramus Matt Nies Maulik Dhandha Michael Johnson Saumya Pathak	CAN BRAIN FUNCTIONAL MRI MEASURE CENTRAL DRIVE DURING MUSCLE CONTRACTIONS
Neurosciences and Behavior	Poster	first	Carmen Affonso	ENDOTHELIN 1 DOWNREGULATES NOREPINEPHRINE TRANSPORTER VIA ENDOTHELIN B RECEPTORS
Neurosciences and Behavior	Poster	merit	Sarah Browning Dana Ferrari Mary Schmidt	FUNCTIONAL ANATOMY OF READING STORIES VERSUS SOLVING MATH PROBLEMS USING FMRI
Physical Sciences	Oral	first	Nathan Sanders	CHARACTERIZATION OF STARDUST DROPLET SIZE DISTRIBUTION
Physical Sciences	Oral	merit	Darya Howell Dena Palasik	INVERSION AND HYDROGEN EXCHANGE IN 1,2CYCLOPENTANEDIOLS: A GEOMETRICALLY CONSTRAINED MODEL FOR AQUEOUSPHASE GREEN CATALYTIC CARBOHYDRATE HYDROGENOLYSIS
Physical Sciences-Group 1	Poster	first	Ryan Hendricks	TIMERESOLVED PHOSPHORESCENCE DETECTION OF PROTEIN DYNAMICS
Physical Sciences-Group 1	Poster	merit	Katherine Rank	A CHEMICAL DERIVATIZATION AND MULTISTAGE TANDEM MASS SPECTROMETRY BASED STRATEGY FOR TARGETED PHOSPHOPROTEOME ANALYSIS
Physical Sciences-Group 2	Poster	first	Katherine Rabidoux	PERIOD CHANGES OF TYPE II CEPHEID VARIABLE STARS: WATCHING STARS EVOLVE
Physical Sciences Group-2	Poster	merit	Richard Worhatch	STRUCTURAL DETERMINATION AT SPACETIME LIMITS

PERFORMANCE DEMONSTRATION

Performance Demonstration-Group 1	first	Jeromy Hunt Kristin Fulgoni Lauren Glinke Andy Huber David Twigg	ART TRANSFORMATION
Performance Demonstration-Group 1	merit	Nathaniel Bliton Gregg Gaddy	LIGHT MUSIC
Performance Demonstration-Group 1	merit	Megan Brumbill Christine McCullough Mary McGorey Samantha Mitchell Janelle Orser	EMBODYING SOCIAL ADVOCACY
Performance Demonstration-Group 2	first	Laura Donnelly	LATIN AMERICAN MUSIC FOR THE SAXOPHONE: UNCOVERING A REGION OF MUSIC
Performance Demonstration- 2	merit	Mary Turcotte	PIANO STUDY AS RESEARCH OF SELF

SOCIAL SCIENCES

Social Science: General	Oral	first	Kurt Bjorkman Ryan Heinhuis Haritha Reddy	ORGAN DONATION: A COMPARATIVE STUDY
Social Science: General	Oral	merit	Yvette Efevbera	ALLAH, ABC, AND HIVAIDS: A COMPARATIVE ANALYSIS OF THE ROLE OF RELIGION IN UGANDA AND SENEGAL
Social Science: History, Political Science, & Economics-1	Oral	first	Ryan Etzcorn	THE LAND OF SINIM: THE TAIPING REBELLION, CHINESE CIVIL WAR, AND THE THEOLOGICAL PENETRATION OF THE WEST
Social Science: History, Political Science, and Economics-1	Oral	merit	Emily Adama	USING RELATIONSHIPS TO FIGHT POVERTY
Social Science: History, Political Science, and Economics-2	Oral	first	Nicholas Micinski	CIVIL SOCIETY ORGANIZATIONS IN MUSLIM MINORITY COMMUNITIES: A COMPARISON
Social Science: History, Political Science, and Economics-2	Oral	merit	Jeffrey Holycross	THE ECONOMICS OF TICKET SCALPING
Social Science: Psychology	Oral	first	Sandte Stanley	AGE AND RACE DIFFERENCES AND THEIR RELATION TO THE UNDERSTANDING OF HEALTH ISSUES REGARDING CERVICAL CANCER
Social Science: Psychology	Oral	merit	Yang Chen	LOSS OF FACE, SOCIAL ANXIETY, AND DEPRESSION AMONG ASIAN AMERICAN AND EUROPEAN AMERICAN COLLEGE STUDENTS
Social Science: General	Poster	first	Mark O'Neill	LOOKING ON THE BRIGHT SIDE: WHERE IN METROPOLITAN DETROIT HAS A MINORITY GROUP REACHED GEOGRAPHIC RACIAL EQUALITY
Social Science: General	Poster	merit	Debrah Lee	GOVERNMENT RECEPTIVENESS TO DEMANDS FOR SANITATION IN RURAL BANGLADESH
Social Science: History, Political Science, and Economics	Poster	first	Nader Delavari	NADER SHAHS' RELIGIOUS REFORMS: INSIGHT TO CONTEMPORARY POLITICAL ISLAM

Social Science: History, Political Science, and Economics	Poster	merit	Brett Staron	DEVELOPMENT AS EMPOWERMENT
Social Science: Psychology-1	Poster	first	Wesam Agha Megan Almendinger Whitney Anderson Caitlin Cipri Matthew Murray Kelly O'Connell Kelsey Smith	JURY PREDELIBERATION DISCUSSION IN CIVIL TRIALS
Social Science: Psychology-1	Poster	merit	Lauren Taubitz	PREDICTING PERSISTENCE OF ADHD: A MOLECULAR GENETIC STUDY
Social Science: Psychology-2	Poster	merit	Darius Beasley	DEFINITENESS AND INDEFINITENESS IN CHILDREN'S INTERPRETATION OF VERBAL ASPECT
Social Science: Psychology-2	Poster	first	Megan M. Sutton Thao Dinh Andrew Valentine Marie Hollenbeck	CHILDREN'S USE OF PROSODY TO DETERMINE SYNTACTIC STRUCTURE