



2010 UURAF Award Winners

Congratulations to the 2010 UURAF Award Winners. Approximately 535 undergraduate students participated in this year's forum. First Place Award Recipients will receive \$100. Grand Prize Award Recipients will receive \$500.

Grand Prize Winners:

- **Humanities, Social Sciences, & Communication Arts & Sciences:** Andrew Keller for *COOPERATION AMONG WOMENS ORGANIZATIONS: THE CASE OF TURKEY*, Poster, Social Sciences-General.
- **Science, Mathematics, & Engineering:** I Rin for *POTENTIAL INVOLVEMENT OF ARABIDOPSIS UPF2 IN REGULATION OF FLOWERING TIMING*, Poster, Cell Biology, Genetics, and Genomics.

AGRICULTURE, FOOD, & ENVIRONMENTAL SCIENCES

Category	Type	Student(s)	Project
Agriculture & Animal Science	Oral	Nathanael Taylor	TRANSCRIPT PROFILE OF HEXOSE TRANSPORTERS ALONG THE HORSE GASTROINTESTINAL TRACT
Agriculture & Animal Science	Poster	Anita Gopalakrishnan	PREVENTION OF COLITIS AND COLORECTAL CANCER USING A COMMERCIAL PREBIOTIC GALACTOOLIGOSACCHARIDE AND ITS EFFECT IN INTESTINAL MICROFLORA
Environmental Science & Natural Resources	Oral	Jared Homola	GENETIC ASSESSMENT OF HATCHERY REARED LAKE STURGEON (ACIPENSER FULVESCENS) STRAYING AND RECRUITMENT INTO NON-TARGET STREAMS
Environmental Science & Natural Resources-Group 1	Poster	Rachel Griesmer	INVESTIGATION OF THE ROLES OF SPITTLEBUGS, CANKERS, STEM DENSITY AND GROUND WATER IN BRANCH DIEBACK AND MORTALITY IN REGENERATING WHITE PINE
Environmental Science & Natural Resources-Group 2	Poster	Gabrielle Kleber	A GLOBAL VIEW ON MARINE DEBRIS
Health, Food, & Wellness	Oral	Kelly Montgomery	EFFECTS OF THE (S)PARTNERS FOR HEART HEALTH INTERVENTION ON DIET, PHYSICAL ACTIVITY, AND CVD RISK FACTORS AMONG 9-12 YEAR OLD OBESE CHILDREN
Health, Food, & Wellness	Poster	Jessica Emery	THERMAL INACTIVATION OF SALMONELLA IN GROUND MEAT PRODUCTS

COMMUNICATION ARTS & SCIENCES

Category	Type	Student(s)	Project
Digital Media-Group 1	Oral	Kristina Marks, Anthony Siciliano	THE GREENING OF FLINT
Digital Media-Group 2	Oral	Stephanie Sparks, Nicholas Baker, Gary Cox, Jake Fields, Sean Bowman, Alex Witte, Patrick Ronan	PUBLICLY DEFENDED: MICHIGAN'S FIGHT FOR PUBLIC DEFENDER REFORM
Communication Arts & Sciences	Oral	Michael Hosler	INCUMBENT SOCIALIZATION MESSAGE EFFECTS ON PERFORMANCE AND JOB FIT OF NEW MICHIGAN STATE RESIDENCE LIFE MENTORS
Communication Arts & Sciences	Poster	Allison Repp, Greg Hall	A FOCUS GROUP STUDY INVOLVING MOTHERS TO DEVELOP EFFECTIVE MESSAGES FOR BREAST CANCER RISK REDUCTION AMONG PRE-ADOLESCENT AND ADOLESCENT GIRLS

EDUCATION

Category	Type	Student(s)	Project
Education	Oral	Alexandra Collins-Webb	STUDENT CONFIDENCE IN ORGANIC CHEMISTRY AND PERCEPTIONS OF CONNECTIONS BETWEEN GENERAL AND ORGANIC
Education-Group 1	Poster	Laura Vielbig	CLASSIFICATION ACCURACY OF ACCELEROMETER COUNT CUT POINTS DURING FREE PLAY IN CHILDREN AND ADOLESCENTS
Education-Group 2	Poster	Kimberly Wren, Travis Jones, Ashley Sobczak	CREATIVE THINKING TOOLS IN TEXTBOOKS

ENGINEERING, COMPUTER SCIENCE, & MATHEMATICS

Category	Type	Student(s)	Project
Engineering-Group 1	Poster	Hanna Miller	COMPARISON OF ELECTRICALLY ACTIVE POLYANILINE MAGNETIC NANOPARTICLES TO COMMERCIALY AVAILABLE BEADS FOR CONCENTRATION OF BACTERIA FROM FOOD
Engineering-Group 2	Poster	Sara Wiederoder	ELECTROSPUN TIN OXIDE FIBERS FOR GAS SENSING

HUMANITIES AND PERFORMING ARTS

Category	Type	Student(s)	Project
Humanities and Performing Arts-Group 1	Oral	Anna Stein	TRANSCIENCE, CONTROL, AND CONTEMPORARY CHINA: SONG DONG'S AESTHETIC RESPONSE
Humanities and Performing Arts-Group 2	Oral	Mark Kelly	CO-OPTING FLATULENCE: THE CHANGING SIGNIFICANCE OF FARTS IN THE SUMMONERS TALE
Humanities and Performing Arts	Poster	Beth Kolongowski	ANALYSIS OF THE ASPECTS OF MOVEMENT AND PHYSICALITY CHOICES FOR EFFECTIVE PERFORMANCE IN SHAKESPEAREAN THEATRE

NATURAL & PHYSICAL SCIENCES

Category	Type	Student(s)	Project
Biochemistry and Molecular Biology-Group 1	Posters	Arthur Manoli III	FATTY ACID DESATURASE 4 OF ARABIDOPSIS ENCODES A PROTEIN DISTINCT FROM CHARACTERIZED FATTY ACID DESATURASES
Biochemistry and Molecular Biology-Group 2	Posters	Xuemei Ye	DEVELOPMENT OF ZIPPER-ASSISTED CATALYSIS SYSTEM FACILITATING EXPRESSION AND PURIFICATION OF RECOMBINANT PROTEINS WITH POST-TRANSLATIONAL MODIFICATION
Cell Biology, Genetics, and Genomics	Oral	Paul Luethy	PROBING ENZYME-SUBSTRATE INTERACTION OF AN INTRAMEMBRANE-CLEAVING PROTEASE
Cell Biology, Genetics, and Genomics-Group 1	Poster	I Rin	POTENTIAL INVOLVEMENT OF ARABIDOPSIS UPF2 IN REGULATION OF FLOWERING TIMING
Cell Biology, Genetics, and Genomics-Group 2	Poster	James Dittmar	TRANSIENT HYPERMUTABILITY AND THE LURIA-DELBRUCK DISTRIBUTION
Cell Biology, Genetics, and Genomics-Group 3	Poster	Katelynn Shaw	BEHAVIOR OF CANINE BONE MARROW DERIVED MESENCHYMAL STEM CELLS IN COMMERCIALY AVAILABLE BONE GRAFT AND SCAFFOLDING PRODUCTS
Microbiology, Immunology, & Infectious Disease-Group 1	Poster	Douglas Kline	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (TCDD) SUPPRESSES LPS-ACTIVATED BINARY SWITCHING OF B CELLS TO PLASMA CELLS
Microbiology, Immunology, & Infectious Disease-Group 2	Poster	Hillary Woodworth	DHA EXACERBATES EXPERIMENTALLY INDUCED COLITIS IN SMAD3 DEFICIENT MICE
Microbiology, Immunology, & Infectious Disease-Group 3	Poster	Katherine Ivens	ANALYSIS OF SWARMING MOTILITY OF PAENIBACILLUS SPP
Microbiology, Immunology, & Infectious Disease-Group 4	Poster	Mark Kauth	EXPERIMENTAL EVOLUTION OF E COLI IN CHANGING ENVIRONMENTS
Physical Sciences	Poster	Victoria McCoy	SCORPION TAPHONOMY: CRITERIA FOR DISTINGUISHING FOSSIL SCORPION MOLTS AND CARCASSES

SOCIAL SCIENCES

History, Political Science, and Economics	Oral	Jeffrey Levy, Matt Barkell	EFFICIENCY OF STATE HIGH RISK HEALTH INSURANCE POOLS
History, Political Science, and Economics	Poster	Christopher Smith, Martin Fox	"FACEBOOKING" THE CHICAGO SCHOOL OF ECONOMICS
Psychology	Oral	Chris Heffner	LANGUAGE AT THE TIPPING POINT: HOW DIVERSE ACOUSTIC CUES AFFECT WORD PERCEPTION
Psychology- Group 1	Poster	Meghan Kanya, Courtney Sharp	AN EXPERT'S WORLD: WHAT DO PRESCHOOLERS BELIEVE ABOUT EXPERTS?
Psychology- Group 2	Poster	Krista Bur	A CASE STUDY OF LETTER-COLOR SYNESTHESIA
Psychology- Group 3	Poster	Prashanth Rajarjan, Krista Bur	DOES NON-SPEECH TONAL CONTEXT AFFECT WORD SEGMENTATION?
Social Science General -Group 1	Oral	Ahmad Naboulsi	MICHIGAN STRAIGHT EDGE: THE CULTURE AND IDEOLOGY OF DRUG FREE YOUTH
Social Science General -Group 2	Oral	Nicholas Bellono	WHAT IS DEATH: PUBLIC CONCEPTION OF WHOLE-BRAIN DEATH
Social Science General -Group 3	Oral	Rebecca Richart	IMMIGRANT COMMUNITY CONTRIBUTIONS THROUGH THE LENS OF IMMIGRANT GARDENING IN THE LANSING AREA
Social Science General -Group 1	Poster	Andrew Keller	COOPERATION AMONG WOMEN'S ORGANIZATIONS: THE CASE OF TURKEY
Social Science General -Group 2	Poster	Jeff Gepper	LOCATING MSU'S HISTORY: MAPPING ARCHEOLOGICAL RESOURCES ON CAMPUS
Social Science General -Group 3	Poster	Daniel Tooman	CAMPUS ARCHAEOLOGY PROGRAM: GARBAGE OF THE PAST AND DORMS OF THE PRESENT

For more information, please contact the Undergraduate Research Office at 517-355-7635 or uuraf@msu.edu. Visit the UURAF website at <http://urca.msu.edu/uuraf/>. Updated 4/19/2010.