

2016 UURAF Award Winners

Congratulations to the 2016 UURAF Award Winners. Approximately 850 undergraduate students participated in this year's Forum.

First Place Award recipients will receive \$100 each. Grand Prize recipients receive \$500 each.

Grand Prize Winners:

- Humanities, Social Sciences, & Communication Arts & Sciences: TBD
- Science, Mathematics, & Engineering: TBD

ARTS & LETTERS

Category	Type	Student(s)	Project
Humanities & Performing Arts – Section 1	Oral	Ryan Duda	THE POWER OF CREATIVITY: THEATRE AND THE INTELLECTUALLY DISABLED COMMUNITY
Humanities & Performing Arts – Section 2	Oral	Harbir Brar	UNINTENDED CONSEQUENCES
Humanities and Performing Arts – Section 1	Poster	Kenzie Carpenter	ASSISTANT SCENE DESIGNER FOR MISS TEEN AT STAGES REPERTORY THEATRE
Humanities and Performing Arts – Section 2	Poster	Kenzie Carpenter	LIGHTS AND MAKEUP
Humanities and Performing Arts – Section 3	Poster	Sal Antonucci and Jacob Frazier	LITERARY NEUROSCIENCE: UNDERSTANDING THE NATURE OF AESTHETIC PLEASURE
Linguistics, Languages and Speech-Section 1	Poster	Jacob Nitzkin	SECOND FORMAT TRANSITIONS IN STUTTERING PERSISTENCE AND RECOVERY
Linguistics, Languages and Speech-Section 2	Poster	Alexa Meier	GENDER DIFFERENCES IN YOUNG CHILDREN'S NARRATIVE LANGUAGE DEVELOPMENT
Linguistics, Languages and Speech-Section 3	Poster	Kyle Latack, Julie Andary, Bethany Dickerson, and Catherine Seibert	WHAT MAKES A LATE-TALKER? AN INVESTIGATION OF GET, PUT, AND MAKE IN THE SPEECH OF LATE-TALKERS AND TYPICALLY DEVELOPING CHILDREN

AGRICULTURE, FOOD & ENVIRONMENTAL SCIENCES

Category	Type	Student(s)	Project
Agriculture & Animal Science-Section 1	Oral	Anna Makela	MECHANICAL PROPERTIES OF BLACK, GREY, AND WHITE HOOF MATERIAL OF SHEEP
Agriculture & Animal Science-Section 2	Oral	Hannah Dewald	CHARACTERIZING THE EFFECTS OF BOVINE LEUKEMIA VIRUS ON THE IMMUNE RESPONSE OF INFECTED COWS
Agriculture & Animal Science-Section 1	Poster	Maria Cotter	CALIBRATION AND ACCURACY OF THE RISING PLATE METER IN CHATHAM, MICHIGAN

Agriculture & Animal Science-Section 2	Poster	Dominic Aluia	MICROBIAL ABUNDANCE AND DIVERSITY IN GROUNDWATERS NEAR TRAVERSE CITY, MICHIGAN
Agriculture & Animal Science-Section 3	Poster	Elizabeth Lytle	USING SOUND RECORDINGS TO OBTAIN INSTANTANEOUS HABITAT-SPECIFIC ESTIMATES OF BIRD SPECIES DIVERSITY IN INDONESIA AND MALAYSIAN BORNEO
Agriculture & Animal Science-Section 4	Poster	Catherine Kelly	ROLE OF RNA-BINDING LOTUS DOMAINS IN TUDOR DOMAIN CONTAINING 7 (TDRD7) FUNCTION
Agriculture & Animal Science-Section 5	Poster	Kimberly Christie	THE EFFECTS OF INCREASING SURFACE AREA ON THE GROWTH OF MICROORGANISMS AS A FOOD SOURCE FOR MOSQUITO LARVAE
Environmental Sci & Natural Resources-Section 1	Oral	Diego Crespo	THE PHYSIOCHEMICAL AND NUTRITIONAL EVALUATION OF FAST COOKING DRY BEAN (<i>PHASEOLUS VULGARIS</i> L.) GENOTYPES GROWN IN THREE LOCATIONS IN TANZANIA
Environmental Sci & Natural Resources-Section 1	Poster	Linh Dao	DEVELOPING AND CHARACTERIZING GELS WITH ANTIMICROBIAL CAPACITY FOR FOOD PACKAGING APPLICATIONS
Environmental Sci & Natural Resources-Section 2	Poster	Krista De Cooke	THE EFFECT OF PLANT MUTUALISTS ON POLLINATOR VISITATION IN <i>CHAMAECRISTA FASCICULATA</i> UNDER A GLOBAL WARMING SIMULATION
Environmental Sci & Natural Resources-Section 3	Poster	Lidia Komondy	THE EFFECT OF BORDER HABITATS ON PREDATION OF A KEY PEST
Environmental Sci & Natural Resources-Section 4	Poster	Amanda Godar	SOLUBLE NON REACTIVE PHOSPHORUS REMOVAL USING CERAMIC NANOMATERIALS
Food Science & Human Nutrition-Section 1	Poster	Johnathan Harrison	ANTIMICROBIAL COATING FOR FOOD PACKAGING
Food Science & Human Nutrition-Section 2	Poster	Kelly Valentini	CHARACTERIZATION OF FATTY ACID AND MINERAL COMPOSITION OF SELECTED SEEDS, NUTS AND OILS IN TANZANIA
Plant Sciences- Section 1	Poster	Logan Brissette	DOES ANTICIPATED GLOBAL WARMING ALTER THE MUTUALISMS BETWEEN THE LEGUME PLANT PARTRIDGE PEA (<i>CHAMAECRISTA FASCICULATES</i>), THEIR SOIL BACTERIA (<i>RHIZOBIA</i> SPP), AND THE ANTS THAT PROTECT THEM FROM HERBIVORY?
Plant Sciences- Section 2	Poster	Magie Williams	NONSENSE & RUBBISH: IDENTIFYING ROLES OF NONSENSE-MEDIATED MRNA DECAY IN PLANTS
Plant Sciences- Section 3	Poster	Kasey Pham	SPECIMENS AT THE CENTER: A TOOLKIT FOR THE SPECIMEN-LEVEL ANALYSIS OF GENE DATABASE DATA
Plant Sciences- Section 4	Poster	Meg Kargul	THE EFFECTS OF HABITAT FRAGMENTATION ON HERBIVORY AND GROWTH OF <i>CARPHEPHORUS BELLIDIFOLIUS</i>

BUSINESS

Category	Type	Student(s)	Project
Business	Oral	Garrett Chamberlain and Taylor Norris	NOVICES IN THE STOCK MARKET: AN EMOTION FREE APPROACH TO MANAGING STOCK INVESTMENT
Business-Section 1	Poster	Lauren Fish, Abigail Andrejek, Kelsey Cross, and Max Spam	CREATING A SUCCESSFUL STOCK PORTFOLIO WHEN INVESTING INTERNATIONALLY
Business-Section 2	Poster	Theodora McKinney	BRAND DAMAGE AND CONSUMER TRENDS CAUSED FROM FOODBORNE ILLNESSES

COMMUNICATION ARTS & SCIENCES

Category	Type	Student(s)	Project
Communication Arts & Sciences	Oral	Madeline Carino	BIAS BUSTERS
Communication Arts & Sciences-Section 1	Poster	Jack Nissen	REPORTING UNCERTAINTY: A CASE STUDY ON THE "WHAT IFS" OF EL NIÑO
Communication Arts & Sciences-Section 2	Poster	Sabrina Hirsch, Shell Little, Sarah Shaw, and Lindsey Spitzley	AGNÈS FILMS AND THE #FAVWOMANFILMMAKER CAMPAIGN
Communication Arts & Sciences-Section 3	Poster	Katelan Saunders and Valerie Rose	VERBAL WORKING MEMORY AND SEMANTIC PROCESSING IN YOUNG CHILDREN
Communication Arts & Sciences-Section 4	Poster	Nygel Sejismundo and Amar Amin	BIRDS OF A FEATHER PERFORM TOGETHER: A DATA SCIENCE STUDY OF THE INHIBITING ROLE OF TEAM DIVERSITY ON PROJECT SUCCESS
Communication Arts & Sciences-Section 5	Poster	Tommy Truong and Chris Frey	VIDEO GAME A11Y
Digital Media-Section 1	Oral	Maria Braganini and Kelley Waterfall	FLINTH2O
Digital Media-Section 2	Oral	Madeline Carino	FOCAL POINT

EDUCATION

Category	Type	Student(s)	Project
Education-Section 1	Oral	Emma Dunn	THE INFLUENCE OF EXPLICIT TEACHING ON THE ACQUISITION OF FRENCH LIAISONS
Education-Section 2	Oral	Alexandria Mazur	INTERVIEWS PROVIDE INSIGHT ABOUT BIOLOGY STUDENT LEARNING CHALLENGES UNDERSTANDING TRANSCRIPTION
Education-Section 1	Poster	Noah Julyk	USING DRAWINGS TO CHARACTERIZE HOW STUDENTS' REPRESENT GENETICS CONCEPTS.
Education-Section 2	Poster	Erin Prim	TURNING PEDAGOGY INTO PRACTICE: USING CHILDREN'S LITERATURE TO ENGAGE MULTILINGUAL COLLEGE WRITERS
Education-Section 3	Poster	Jacob Herwaldt	STUDENT ENGAGEMENT AND DESIRE TO COMPLETE ACTIVITIES IN SCIENCE CLASSES
Education-Section 4	Poster	Andrew Jurasek	TEACHERS' ACTIVE ENGAGEMENT IN SOCIAL MEDIA: A COMPARISON OF NETWORK INTERACTIONS ACROSS PHYSICAL AND VIRTUAL SPACES
Kinesiology- Section 1	Poster	Lauren Kosowski	THE RELATIONSHIP BETWEEN ACADEMIC SUCCESS AND ONE-YEAR OF GROUP FITNESS AND INTRAMURAL SPORTS USAGE BY NEIGHBORHOOD RESIDENTS
Kinesiology- Section 2	Poster	Steven Maier	EXPLORING UNMEDIATED LEARNING BEHAVIORS OF SWIM COACHES
Kinesiology- Section 3	Poster	Sonny Metoki, Derek Hart, and Madeline Keller	OBSTACLES AND ROLES IN TEAM SUCCESS

ENGINEERING, COMPUTER SCIENCE, & MATHEMATICS

Category	Type	Student(s)	Project
Engineering, Computer Science, & Math - Section 1	Poster	Andrew Stamm	INVESTIGATING HIGH VELOCITY IMPACT ON FAN CASINGS
Engineering, Computer Science, & Math - Section 2	Poster	Lindsay Nault	STIFFNESS OF SOFT TISSUE IN THE GLUTEUS AND THIGH REGIONS
Engineering, Computer Science, & Math - Section 3	Poster	Jill Check and Sarah Kramer	PRELIMINARY ENGINEERING REPORT OF ZOOLOGICAL WASTE MANAGEMENT PRACTICES
Engineering, Computer Science, & Math - Section 4	Poster	Kelly Patterson	MODELING SKIN BLOOD PERFUSION: A STUDY FOR VENOUS ULCERS
Engineering, Computer Science, & Math - Section 5	Poster	Michael Bigelow and Branton Toback	GAS PHASE SYNTHESIS OF GALLIUM NITRIDE NANOCRYSTALS
Engineering, Computer Science, & Math - Section 6	Poster	Bradley Doherty	UML MODELING FOR VISUALLY IMPAIRED PERSONS

HEALTH SCIENCES (Nursing)

Category	Type	Student(s)	Project
Epidemiology & Public Health	Oral	Mitch Distin	DEATH AS A FUNCTION OF EVOLUTION
Epidemiology & Public Health- Section 1	Poster	Sumaira Hai and Abigail Maynard	BROSELOW TAPE ACCURACY IN PEDIATRIC PERUVIAN POPULATION
Epidemiology & Public Health- Section 2	Poster	Katie Nurenberg	USING HADDON'S INJURY MATRIX TO IDENTIFY PREVENTION STRATEGIES FOR BULLYING IN NURSING HOMES
Epidemiology & Public Health- Section 3	Poster	Matthew Peters	EPIDEMIOLOGICAL ANALYSIS OF CONFIRMED SHIGA TOXIN-PRODUCING E. COLI (STEC) O157:H7 CASES IN FOUR MICHIGAN HOSPITALS, 2007-2014

NATURAL & PHYSICAL SCIENCES

Category	Type	Student(s)	Project
Biochemistry & Molecular Biology-Section 1	Oral	Rachel Sullivan	ECOLOGICAL TRAP MECHANISMS IN ESCHERICHIA COLI AS A METHOD TO PARASITE EXTINCTION
Biochemistry & Molecular Biology-Section 2	Oral	Emily Davidson	SUPPLEMENTATION WITH DIETARY EPA/DHA INFLUENCES RED BLOOD CELL FATTY ACID DESATURASE ESTIMATES AND REFLECTS TISSUE CHANGES IN FATTY ACIDS IN SYSTEMIC ORGANS
Biochemistry & Molecular Biology-Section 1	Poster	Abigail Miller	VARIATION OF ACYLSUGAR ACYLTRANSFERASE FUNCTION IN THE SYNTHESIS OF AN INSECT DEFENSE COMPOUND: ACYLSUGARS
Biochemistry & Molecular Biology-Section 2	Poster	Ben Miller	THE EFFECT OF CHANGING CATION CONCENTRATION OF THE FUNCTION OF THE HAIRPIN RIBOZYME
Biochemistry & Molecular Biology-Section 3	Poster	Donna Liebelt & Juilanne Streukens (tie)	THE ABILITY OF RE-LOCALIZED CCME TO MATURE CYTOCHROMES IN THE CYTOPLASM OF E. COLI NOVEL MODES OF GENOME TARGETING BY THE RETINOBLASTOMA TUMOR SUPPRESSOR FAMILY
Biochemistry & Molecular Biology-Section 4	Poster	Kiera Fisher	THE ROLE OF DIABETES-INDUCED CHANGES IN EXOSOMAL MIRNA IN THE PATHOGENESIS OF DIABETIC RETINOPATHY
Cell Biology, Genetics, & Genomics-Section 1	Poster	Brandon Llewellyn	MLK3 REGULATION OF INVASION-ASSOCIATED GENES IN TRIPLE NEGATIVE BREAST CANCER
Cell Biology, Genetics, & Genomics-Section 2	Poster	Frances Greathouse	EFFECT OF DIETARY FAT ON REGULATORY T CELL RECRUITMENT IN BALB/C TIP30-/- MICE
Cell Biology, Genetics, & Genomics-Section 3	Poster	Ryan Hook	HOW DOES ESTROGEN PLUS PROGESTIN HORMONAL THERAPY INCREASE BREAST CANCER RISK?
Cell Biology, Genetics, & Genomics-Section 4	Poster	David Knupp	ASSOCIATION BETWEEN ELEVATED SHIGA-TOXIN PRODUCTION AND PRESENCE OF A LAMBDOID-PROPHAGE IN ESCHERICHIA COLI O157:H7

Integrative and Organismal Biology-Section 1	Poster	Leanne Chambers	MASS MORTALITY, MASS MATING, MASS MOLTING OR JUST A MASS? INTERPRETATION OF A FOSSIL ASSEMBLAGE FROM THE MIDDLE CAMBRIAN BURGESS SHALE, BRITISH COLUMBIA, CANADA
Integrative and Organismal Biology-Section 2	Poster	Marisa Spain	EVALUATING HATCHING SUCCESS AND DEVELOPMENTAL ABNORMALITIES OF SNAPPING TURTLE (CHELYDRA SERPENTINA) HATCHLINGS IN RELATION TO ENVIRONMENTAL FACTORS
Integrative and Organismal Biology-Section 3	Poster	Kylie Ayers	THE EFFECTS OF INTRASPECIFIC COMPETITION ON AGGRESSIVE BEHAVIORS IN MALE THOMSON'S GAZELLES
Microbiology, Immunology & Infectious Disease-Section 1	Poster	Nabila Khan	PRODUCING FERMENTATION PRODUCTS: A WAY TO REDUCE METHANE AND FEED OTHER ORGANISMS
Microbiology, Immunology & Infectious Disease, Section 2	Poster	Linda Lay	INHIBITION OF MYCOBACTERIUM SMEGMATIS GROWTH BY FUNCTIONALIZED MAGNETIC NANOPARTICLES
Microbiology, Immunology & Infectious Disease, Section 3	Poster	Ashley Raedy	ENDOPLASMIC RETICULUM AMINOPEPTIDASE-1 GENE IMPORTANT IN PRODUCTION OF IL-18 TO PROTECT COLITIS-INDUCED MICE
Microbiology, Immunology & Infectious Disease, Section 4	Poster	Alexander Ruhs	GROWTH EFFICIENCY OF THE EASTERN TREE-HOLE MOSQUITO, Aedes triseriatus, WHEN NUTRIENTS AND TEMPERATURE VARY
Microbiology, Immunology & Infectious Disease, Section 5	Poster	Thilo Hamlicher	CHARACTERIZATION OF A MUTANT STRAIN OF GEOBACTER SULFURREDUCENS ADAPTED FOR IMPROVED LACTATE UTILIZATION IN A MICROBIAL CONSORTIUM IN GLYCEROL FED MICROBIAL ELECTROCHEMICAL CELLS.
Microbiology, Immunology & Infectious Disease, Section 6	Poster	James Chen	DETERMINING IF PAIN IS ASSOCIATED WITH DEVELOPMENT OF SPONTANEOUS AUTOIMMUNE PERIPHERAL POLYNEUROPATHY IN A MOUSE MODEL
Microbiology, Immunology & Infectious Disease, Section 7	Poster	Laura Hesse	GENETIC FACTORS CONTRIBUTING TO THE FORMATION OF ANTIBIOTIC RESISTANT SMALL COLONY VARIANTS IN STAPHYLOCOCCUS AUREUS
Neuroscience	Oral	Olivia Barth	NIGRAL NEUROINFLAMMATION AND DEGENERATION AS A RESULT OF ALPHA SYNUCLEIN PREFORMED FIBRILS
Neuroscience-Section 1	Poster	Sara Goidy	ENVIRONMENTAL LIGHTING CONDITION MODULATES HYPOTHALAMIC OREXINERGIC ACTIVITY
Neuroscience-Section 2	Poster	Kylie Smith	UNCOVERING THE P300: A LOW-COST APPROACH TO RECORDING EVENT-RELATED POTENTIALS
Neuroscience-Section 3	Poster	Alexander Wolf	ENHANCING MESENCHYMAL STEM CELL HOMING TO GLIOMA USING A HYPOXIC MIMETIC PRETREATMENT
Neuroscience-Section 4	Poster	Hannah Batchelor	NEUROTENSIN-RECEPTOR-1 NEURONS IN THE VENTRAL TEGMENTAL AREA CONTROL DOPAMINE-MEDIATED BEHAVIOR AND BODY WEIGHT.
Physical Sciences	Oral	Christopher Jones	IMAGE ANALYSIS OF GAMMA-RAY SKY-MAPS
Physical Sciences-Section 1	Poster	Bodaniel Bradley	ETHIOPIAN FLOOD BASALTS: INSIGHT TO EVOLUTION AND DEATH OF A MAGMA PLUMBING SYSTEM

Physical Sciences-Section 2	Poster	Tyler Holmes	SHORT ERUPTIONS, BIG IMPLICATIONS: INTERMITTENT EXPLOSIVE VOLCANISM OF THE ETHIOPIAN PLATEAU
Physical Sciences-Section 3	Poster	Benjamin Heriford	SYNTHESIS OF PROTEASOME REGULATORS FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES
Toxicology-Section 1	Poster	Lindsay Hannah	EFFECTS OF PRENATAL EXPOSURE TO BISPHENOL-A ON TISSUE SPECIFIC INSULIN RESISTANCE

SOCIAL SCIENCES

Category	Type	Student(s)	Project
Anthropology-Section 1	Poster	Joshua Schnell	GOING DIGITAL: THE 3D DIGITIZATION OF BIOARCHAEOLOGICAL SKELETAL COLLECTIONS AND GEOMETRIC MORPHOMETRIC 3D SHAPE ANALYSIS
Anthropology-Section 2	Poster	Leah Auchter	A NEW METHOD FOR SUBADULT AGE ESTIMATION OF SKELETAL REMAINS IN A MEDIEVAL NUBIAN POPULATION
Global and Area Studies-Section 1	Oral	Tim Giessner	THE CUBAN INTERNET
Global and Area Studies-Section 2	Oral	Sohela Suri	SHARED SUFFERING: A STUDY ON THE EFFECTS, ON SIKH MEN, OF POST-9/11 RACIALIZATION OF BROWN MEN IN THE US
History, Political Science and Economics	Oral	Cody Schulz	THE RESOURCE CURSE, STATE-LED DEVELOPMENT, AND PATRONAL POLITICS--ECONOMIC DIVERSIFICATION AND IN POST-SOVIET AZERBAIJAN
History, Political Science and Economics-Section 1	Poster	Marissa Jacks	PROPAGANDA USED BY THE CHARLESTON COURIER DURING THE CIVIL WAR
History, Political Science and Economics-Section 2	Poster	Christopher Bailey	AN OVERVIEW AND THE MAIN DRIVERS OF GENTRIFICATION IN THE OLD HAVANA DISTRICT OF HAVANA, CUBA
Psychology-Section 1	Poster	Courtney Callahan	FIXED AND FUSED FRESHMAN: THE ROLE OF COGNITIVE FUSION IN THE RELATIONSHIP BETWEEN MINDSETS AND ANXIETY
Psychology-Section 2	Poster	Paige Suttles	LONGITUDINAL STUDY OF INSIGHT AND SYMPTOMATIC CORRELATIONS OF FIRST-EPISODE SCHIZOPHRENIA PATIENTS
Psychology-Section 3	Poster	Ryan Gifford and Marley Bright	HEDONIC HALLUCINATIONS IN A MOUSE MODEL OF NEUROPSYCHIATRIC ILLNESS
Psychology-Section 4	Poster	Amanda Kilgore	GENDER AS A MODERATOR OF FAMILY TRANSMISSION OF PSYCHOPATHOLOGY
Psychology-Section 5	Poster	Kelsey Pagorek and Trusha Patel	THE EFFECTS OF B-VITAMINS AND CAFFEINE ON COGNITIVE FUNCTION
Psychology-Section 6	Poster	Kirah Vaughan and Ryan Wujcik	GUIDING ATTENTION

Psychology-Section 7	Poster	Azza Kineish	FACEBOOK FRIENDS VS. WORK FRIENDS
Social Science: General	Oral	Matthew Suandi	DO STARTUP DIVERSIFY THE ECONOMIC BASE? AN EVOLUTIONARY PERSPECTIVE
Social Science: General-Section 1	Poster	Sahithi Chinnam and Kaitlin Morain	ARE GENDER AND CULTURE DIFFERENCES IN EMOTIONAL EXPRESSION SOCIALIZED IN EARLY CHILDHOOD?
Social Science: General-Section 2	Poster	Christopher Lowrie	ETHNIC AND REGIONAL INEQUALITIES IN OUTDOOR SMOKEFREE SPACES
Social Science: General-Section 3	Poster	Gabrielle Oehring	HEALTH BEHAVIORS AMONG DUAL SMOKER COUPLES
Social Science: General-Section 4	Poster	Rikki McClelland and Alixandra Vanbuskirk	COPARENTING AND TODDLER CHARACTERISTICS RELATED TO BEHAVIORAL PROBLEMS
Social Work-Section 1	Poster	Amy Schaafsma	THE INFLUENCE OF NEIGHBORHOOD CONTEXTS ON PARTICIPATION IN EARLY CHILDHOOD EDUCATIONAL PROGRAMS BY LATINO AND AFRICAN AMERICAN CHILDREN
Social Work-Section 2	Poster	Sierra Baker	STATEWIDE DIVERSION PILOT PROGRAM: EXPLORING THE IMPACT OF CIT
Social Work-Section 3	Poster	Carmen Elias and Carolina Vasquez	THE INTERGENERATIONAL EFFECTS OF MATERNAL DEPRESSION ON CHILDREN'S DEPRESSIVE SYMPTOMS