

2015 UURAF Award Winners

Congratulations to the 2015 UURAF Award Winners. Approximately 750 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:** Sonny Ly for QUESTIONS IN THE CLASSROOM: HOW OFTEN DO STUDENTS RESPOND?
Research Mentors: Sarah Jardeleza, James Laverty, Becky Matz
- **Science, Mathematics, & Engineering:** Matthew Vasher for DETECTING PATHOGENS USING A DNA-BASED BIOSENSOR. Research Mentor: Alocilja Evangelyn

ARTS & LETTERS

Category	Type	Student(s)	Project
Graphic Design-Section 1	Poster	Madeline Tatro	ADDLIGHT: EXTENDING THE CONTENT OF "SPECTRUM" BEYOND THE WALLS OF THE EXHIBIT
Graphic Design-Section 2	Poster	Kelly Mackie	SCIENCE OF ALCOHOL
Humanities & Performing Arts – Section 1	Poster	Melissa Hunter	ASSISTANT SET DESIGN STAGE REPERTORY THEATRE
Humanities & Performing Arts – Section 2	Poster	Emily Blaquiére	THEATRE ENGINE: TECHNOLOGY AND AUDIENCE PARTICIPATION IN THE PERFORMING ARTS
Humanities and Performing Arts – Section 1	Oral	Anna Goodson	LAURIE ANDERSON'S "SLIMY BEAUTY"
Humanities and Performing Arts – Section 2	Oral	Daniel Finegan	NUESTROS CUENTOS CIVIC ENGAGEMENT PROGRAM
Linguistics, Languages and Speech-Section 1	Poster	Kyle Latack, Mina Hirzel	CONTRASTIVE FOCUS AND CONTRASTIVE REDUPLICATION: NOT ONLY SALAD-SALAD

AGRICULTURE, FOOD & ENVIRONMENTAL SCIENCES

Category	Type	Student(s)	Project
Agriculture & Animal Science-Section 1	Poster	Jennifer Hollen	DNA-BASED MARK-RECAPTURE ABUNDANCE ESTIMATE OF URBAN WHITE-TAILED DEER (ODOCOILEUS VIRGINIANUS) IN MERIDIAN TOWNSHIP, MICHIGAN, U.S.A.
Agriculture & Animal Science-Section 2	Poster	None	None – combined with section 1
Agriculture & Animal Science-Section 3	Poster	Roel Becerra	ARE PORCINE EPIDEMIC DIARRHEA VIRUS (PEDV) EXPOSED GILTS AND SOWS FARROWING PROBLEMS IMPROVED BY VITAMIN E?
Agriculture & Animal Science-Section 1	Oral	Jessica Kansman	ATTACKS FROM BELOW: UNEARTHING THE IMPACTS OF BELOWGROUND HERBIVORES ON FOLIAGE FEEDER SUCCESS
Environmental Sci & Natural Resources-Section 1	Poster	Mackenzie Feringa	EVIDENCE FOR SEXUAL VIABILITY OF INTENTIONALLY HYBRIDIZED BROOK TROUT (BT) * LAKE TROUT (LT) FISH IN A MICHIGAN STREAM AND IMPLICATIONS FOR MANAGEMENT

Environmental Sci & Natural Resources-Section 2	Poster	Luke Sasek	AQUAPONICS AT CAPE ELEUTHERA INSTITUTE: A MODEL FOR SUSTAINABLE FOOD SYSTEMS IN THE BAHAMAS
Environmental Sci & Natural Resources-Section 3	Poster	Clara Lepard	MONITORING LONG-TERM EFFECTS OF LAMPICIDE APPLICATION ON THE METAMORPHOSIS OF SEA LAMPREY IN THE GREAT LAKES BASIN
Plant Sciences- Section 1	Poster	Elena Michel	FUNCTIONAL CHARACTERIZATION OF A LIPID TRANSLOCATOR IN CHLAMYDOMONAS REINHARDTII
Plant Sciences- Section 2	Poster	Meg Kargul	URA RAIN GARDEN IN PRAIRIE ECOSYSTEM

BUSINESS

Category	Type	Student(s)	Project
Business-Section 1	Poster	Scott Haeck, Runzhi Chen, Graham Dowling, Hannah McDowell, Chris Safroniy	TRADING FREQUENCY, TRANSACTION COSTS, AND MARKET RETURNS
Business-Section 2	Poster	Chase Skinner	RESHORING AMERICAN MANUFACTURING
Business-Section 1	Oral	Ryan Hemingsen	STUDENT MINDSET OF SERVICE MANAGEMENT: A TWO PHASE STUDY IN THE UNDERGRADUATE CLASSROOM

COMMUNICATION ARTS & SCIENCES

Category	Type	Student(s)	Project
Communication Arts & Sciences-Section 1	Poster	Alyssa Zokoe	DETERMINING AFFECT THROUGH THE PRESENTATION OF COMIC IMAGERY: INSTILLING EMOTIONS THROUGH EDUCATING ABOUT DISEASE
Communication Arts & Sciences-Section 2	Poster	Elishia Johnson, Morgan Eisele	ANALYZING THE PSYCHOPHYSIOLOGICAL EFFECTS OF FACEBOOK USAGE
Communication Arts & Sciences-Section 3	Poster	Cassidy Schultz	THE INCREASED COMPREHENSION OF SCIENTIFIC CONCEPTS WHEN EXPRESSED THROUGH AN INFOGRAPHIC
Communication Arts & Sciences-Section 4	Poster	Laura Azouz	USING AN INFOGRAPHIC TO CORRECT MISCONCEPTIONS IN BIOENERGETICS
Digital Media-Section 1	Oral	Gabriela Saldivia, Lindsay Benson, Dakota Johnston, Caitlin Parks	UNCHECKING THE BOX FILM
Digital Media-Section 2	Oral	Scott Wasserman	STORYTELLING WITHIN SPORTS: WHAT'S YOUR STORY?
Digital Media-Section 3	Oral	Marisa Hamel, Jordan Jennings	SEEING CHINA: PHOTOGRAPHIC VIEWS AND VIEWPOINTS

EDUCATION

Category	Type	Student(s)	Project
Education-Section 1	Poster	Molly McNamee	ARE POINT VALUES ASSOCIATED WITH THE AMOUNT OF EFFORT PUT FORTH BY DIFFERENT KINDS OF STUDENT LEARNERS?

Education-Section 2	Poster	Sonny Ly	QUESTIONS IN THE CLASSROOM: HOW OFTEN DO STUDENTS RESPOND?
Education-Section 3	Poster	Kayla Cotter, Laura Mularski	A POWERFUL PARTNERSHIP: THE INTEGRATION OF PROSPECTIVE MATHEMATICS TEACHERS IN A DEVELOPMENTAL MATHEMATICS COURSE
Kinesiology- Section 1	Oral	Montana Pruett, Sara Brady, Alex Smith	ONLINE BEHAVIORAL TRACKING AMONG PREGNANT WOMEN
Kinesiology- Section 1	Poster	Emma Bizzigotti, Brittany Ladson	IT'S NEVER TOO LATE TO LEARN: DIFFERENCES IN MOTOR SKILL LEARNING BETWEEN CHILDREN AND ADULTS
Kinesiology- Section 2	Poster	Andrew Cusmano, Emily Matthews, Danielle Puckett	FINDING AN OPTIMAL PRACTICE SEQUENCE FOR LEARNING A NOVEL MOTOR TASK

ENGINEERING, COMPUTER SCIENCE, & MATHEMATICS

Category	Type	Student(s)	Project
Engineering, Computer Science, and Math -Section 1	Poster	Peyton Longlet	MODELLING MULTIPHASE FLOW: SYNTHESIS AND DEFORMATION OF AN OIL-IN-WATER DROPLET
Engineering, Computer Science, and Math -Section 2	Poster	Matthew Schweiger	FORMATION OF CALCIUM ALGINATE MICROBEAD VIA EXTERNAL GELATION
Engineering, Computer Science, and Math -Section 3	Poster	Matthew Vasher	DETECTING PATHOGENS USING A DNA-BASED BIOSENSOR
Engineering, Computer Science, and Math -Section 4	Poster	Zach Richardson	AUTOMATIC LEMUR FACE RECOGNITION
Engineering, Computer Science, and Math -Section 5	Poster	Spencer Mather	THERMOELECTRIC POWER ENHANCEMENT OF Ge_4SbTe_5

HEALTH SCIENCES

Category	Type	Student(s)	Project
Epidemiology & Public Health- Section 1	Poster	Allison Fedewa	QUANTIFYING A REDUCTION IN PROMINENCE OF ANTIVACCINATION WEBSITES FROM 2002-2015
Epidemiology & Public Health- Section 2	Poster	Mallory Wilson	PERCEPTIONS OF ENVIRONMENTAL POLICY REGULATION ON MALARIA PREVALENCE IN LARTEH, GHANA
Epidemiology & Public Health- Section 3	Poster	Diana Xu	ASSOCIATION BETWEEN THE DASH DIET AND BLOOD PRESSURE IN WOMEN

NATURAL & PHYSICAL SCIENCES

Category	Type	Student(s)	Project
Biochemistry & Molecular Biology-Section 1	Oral	Irina Pushel	MUTANT FLIES: GENOME-WIDE EFFECTS OF RB MUTATION IN DROSOPHILA DEVELOPMENT
Biochemistry & Molecular Biology-Section 1	Poster	Jenna Chandler	S. CEREVISIAE TOLERANCE OF REACTIVE OXYGEN SPECIES IN CO-CULTURE WITH S. ELONGATUS FOR BIOFUEL PRODUCTION
Biochemistry & Molecular Biology-Section 2	Poster	Hailey Caudill	MUTAGENESIS OF THE ESCHERICHIA COLI RNA POLYMERASE BRIDGE HELIX TO ALTER PROTEIN FUNCTIONALITY

Biochemistry & Molecular Biology-Section 3	Poster	Mohammad Aljazi	PLIN2 ABLATION PROTECTS AGAINST HIGH CARBOHYDRATE DIET-INDUCED OBESITY
Cell Biology, Genetics, & Genomics-Section 1	Poster	Bryan Lakey	THE TETRAPYRROLE SYNTHESIS PATHWAY AS A MODEL OF HORIZONTAL GENE TRANSFER IN EUGLENOIDS
Cell Biology, Genetics, & Genomics-Section 2	Poster	Leena Babiker	DETERMINING THE CONGENIC INSERTS RESPONSIBLE FOR ASTHMA PHENOTYPE IN MICE
Cell Biology, Genetics, & Genomics-Section 3	Poster	Alexis Weber	UNDERSTANDING THE POTENTIAL CODING CAPACITY OF RNA EDITING IN TRYPANOSOMA BRUCEI
Cell Biology, Genetics, & Genomics-Section 4	Poster	Bryana Bryan	IS NTN1 REQUIRED FOR PALATOGENESIS IN MOUSE?
Integrative and Organismal Biology-Section 1	Oral	Joseph Shemanski	VOCAL ANALYSIS REVEALS CRYPTIC SPECIES IN THE SLENDER-BILLED CROW CORVUS ENCA COMPLEX
Integrative and Organismal Biology-Section 1	Poster	Sarah MacLachlan	LION AND HYENA INTERACTION
Integrative and Organismal Biology-Section 2	Poster	Rebecca Benjamin	COMPARING SEX DIFFERENCES IN ANIMAL MODELS OF POST-TRAUMATIC STRESS DISORDER
Microbiology, Immunology & Infectious Disease-Section 1	Poster	John Shinnors, Nathan Murray, Kasey Pryg	IMPROVING TUBERCULOSIS DETECTION USING SMEAR MICROSCOPY
Microbiology, Immunology & Infectious Disease, Section 2	Poster	Clare Laut	ANTIBIOTIC AND IMMUNE SYSTEM PERSISTENCE IN GROUP B STREPTOCOCCUS
Microbiology, Immunology & Infectious Disease, Section 3	Poster	Ami Lane-Elliott	COLON ADENOMAS ARE ASSOCIATED WITH SPECIFIC LEVELS OF SATURATED AND CIS-TRANS MONOUNSATURATED FATTY ACIDS IN PLASMA PHOSPHOLIPIDS
Microbiology, Immunology & Infectious Disease, Section 4	Poster	Jacob Gibson, Cassie Larrivee	DETERMINING THE EFFECTS OF PSEUDOMONAS AERUGINOSA BIOFILMS ON WOUND HEALING IN A DIABETIC MURINE MODEL
Microbiology, Immunology & Infectious Disease, Section 5	Poster	Jenna Carter	STABILITY OF INFLUENZA VIRUS IN A NEW VACCINE MODEL
Neuroscience-Section 1	Oral	Dylan Miller	TO STING OR NOT TO STING? ANALYSIS OF CROSS-SPECIES AND CROSS-SEX STINGING DEFENSIVE BEHAVIOR IN SCORPIONS.
Neuroscience-Section 1	Poster	Megan Kechner	INDUCTION OF Δ FOSB FOLLOWING PHYSICAL AND EMOTIONAL STRESS
Neuroscience-Section 2	Poster	Emily Potter	ROLE OF NEUROTENSIN RECEPTOR-2 IN NEUROGENESIS
Neuroscience-Section 3	Poster	Hannah Batchelor	NEUROTENSIN REGULATES THE DOPAMINE SYSTEM AND LOCOMOTOR ACTIVITY
Neuroscience-Section 4	Poster	McKenzie Farthing	MARKERS OF MITOCHONDRIAL FISSION, FUSION, AND MITOPHAGY IN PARKIN-KNOCKOUT MICE
Physical Sciences, Section 1	Poster	Hananiel Setiawan	PION PRODUCTION SIMULATIONS FOR SYMMETRY ENERGY STUDIES
Physical Sciences, Section 2	Poster	Benjamin Brophy	EFFECT OF SEDIMENT CONCENTRATION ON TITAN FLUID DYNAMICS
Physical Sciences, Section 3	Poster	Alexander Chemey	ALGORITHMS FOR BETA-GAMMA COINCIDENCE DETECTION OF RADIOXENON IN A GEDSSD
Toxicology, Section 1	Poster	Jacob Young	MODELING THE ROLE OF CONTAMINANTS IN THE COHORT SURVIVAL OF JUVENILE ESTUARINE KILLFISH (FUNDULUS HETEROCLITUS)

SOCIAL SCIENCES

Category	Type	Student(s)	Project
Anthropology	Poster	Allison Apland	PATHWAYS BETWEEN FOOD INSECURITY AND SERUM FOLATE STATUS THROUGH COPING STRATEGIES: A CASE STUDY AMONG BREASTFEEDING WOMEN IN DROUGHT STRICKEN NORTHERN KENYA
History, Political Science and Economics-Section 1	Oral	Laura Williams	ANTI-ZIONISM TO ZIONISM: REFORM JUDAISM AND TEMPLE BETH EL OF DETROIT'S ALTERNATE COURSE
History, Political Science and Economics-Section 2	Oral	Nicholas Waterbury	GENDER'S ROLE IN LEADERSHIP OF CENTRAL BANKS
Psychology-Section 1	Poster	Glen Gagnon, Aiya Jweihan	HELPING GRADUATES SUCCEED: A STUDY OF PROXIMAL AND DISTAL FACTORS IN JOB ATTAINMENT
Psychology-Section 2	Poster	Dominik Isham	ASSERTIVE IMPRESSION MANAGEMENT TACTICS IN THE INTERVIEW: DIFFERENCES IN EFFECTIVENESS BY GENDER AND RACE
Psychology-Section 3	Poster	Sarav Shah, Diana Jasser, Alana Page	TECHNOLOGY TRUMPS PRINT: MEMORY IS GREATER FOR INFORMATION ACQUIRED FROM THE INTERNET THAN A BOOK
Psychology-Section 4	Poster	David Lozano	SEX DIFFERENCES IN CYTOGENESIS IN THE NUCLEUS ACCUMBENS OF PUBERTAL RATS
Social Science: General-Section 1	Poster	D'Antae Gooden	PHILOSOPHY OF SPORT: A THEORY OF JUSTICE AND THE INSTITUTIONALIZED POWER OF THE UNIVERSITY OF DAYTON, THE NCAA, AND THE NBA
Social Science: General-Section 2	Poster	Jacqueline Evans, Sahithi Chinnam, Kaitlin Morain	EFFECTS OF NEONATAL HEALTH AND BREASTFEEDING ON CHILD LANGUAGE DEVELOPMENT
Social Science: General-Section 3	Poster	Madeline MacLean, Andrew Martin	MASS SHOOTINGS IN THE MEDIA: WHAT MAKES A STORY NEWSWORTHY?
Social Science: General-Section 1	Oral	Sara Hughes	DRUG TREATMENT AND RECIDIVISM RATES
Social Science: General-Section 2	Oral	Tara Schulz	POLITICAL DISCOURSE AND IMMIGRATION: STUDYING IMMIGRATION THROUGH THE LENS OF GENOCIDE
Social Work-Section 1	Poster	Marianne Caddy, Hadley Brandenburg	OLDER ADULTS AND TECHNOLOGY
Social Work-Section 2	Poster	Maggie Ribick, Unzel Nadeemullah	THE EFFECT OF EARLY EDUCATORS' EDUCATION AND EXPERIENCE ON CHILD LANGUAGE DEVELOPMENT