

THREE MINUTE THESIS COMPETITION WINNERS

3 RD PLACE	DAWN BESSE, EDUCATIONAL LEADERSHIP	THE IMPACT OF INTERVENTION PRACTICES ON THE ACADEMIC SELF- CONCEPT OF STRUGGLING MIDDLE SCHOOL STUDENTS
2 ND PLACE	BISWAJIT BAIRGI, ENGINEERING	SUSTAINABLE USE OF SCRAP TIRE IN PAVEMENT
1 ST PLACE	ETHAN LEONARD, BIOLOGICAL SCIENCES	QUALITY CHARACTERIZATION OF A TAILWATER RECOVERY SYSTEM ASSOCIATED WITH AGRICULTURAL PRODUCTION
PEOPLE'S CHOICE	ELIZABETH CASTILLO, ENVIRONMENTAL SCIENCES	LINK BETWEEN FOLIAR VITAMIN C CONTENT AND COLD TOLERANCE IN RICE

GONE IN 60 SECONDS COMPETITION WINNERS

3 RD PLACE	MEGAN MARTIN, BUSINESS MANAGEMENT	THE WEDGER PILLOW
2 ND PLACE	JAMES JONES, BUSINESS MANAGEMENT	DYNAMIC DUCK LIGHTNING MAGIC
1 ST PLACE	JJ THOMPSON, POLITICAL SCIENCE	CHANGE FOR THE PLANET

POSTER PRESENTATION WINNERS

Science, Technology, Engineering & Mathematics Undergraduate

2nd Place	Jerry Jones, Computer & Information Technology	THE FORMATION OF HCL GAS AT A RANGE OF RELATIVE HUMIDITY	Faculty Mentor: Dr. Hashim Ali, Chemistry & Physics
1st Place	Earl Morris, Biological Sciences & Chemistry	HIGH THROUGHPUT PHENOTYPING OF HIGH VITAMIN C TOBACCO LINES	Faculty Mentor: Dr. Argelia Lorence, Chemistry & Physics

Science, Technology, Engineering & Mathematics Graduate

2nd Place	Nazmul Huda Chowdhury, Civil Engineering	FORENSIC INVESTIGATIONS OF POOR- PERFORMING PAVEMENTS IN ARKANSAS	Faculty Mentor: Dr. Zahid Hossain, Civil Engineering
1st Place	Haitao Zhang, Molecular Biosciences	ROLE OF THE ACTIN-REGULATORY PROTEIN CAP1 IN THE INVASIVENESS OF BREAST CANCER	Faculty Mentor: Dr. Guolei Zhou, Biological Sciences

Social and Behavioral Sciences Undergraduate

2nd Place	Skyler White, Psychology	DESIRED CHARACTERISTICS IN A LONG-TERM MATE: AN EXAMINATION OF LGBTQ MATING PREFERENCES	Faculty Mentor: Dr. Amy Pearce, Psychology & Counseling
1st Place	Darriel Cleaves, Exercise Science	EFFECTIVENESS OF COMPRESSION STOCKINGS	Faculty Mentor: Dr. Joyce Olushola, Sport Management

Social and Behavioral Sciences Graduate			
2nd Place	Catherine Harthorn, Political Science	THE POTTY INDEX: WHAT THE WORLD'S TOILETS TELL US ABOUT POVERTY, GOVERNMENT, ECONOMICS, AND HUMAN DEVELOPMENT	Faculty Mentor: Dr. Rolling Tusalem, Political Science
1st Place (TIE)	Amy Higgins, Social Work	DOMESTIC VIOLENCE AND RELIGION	Faculty Mentor: Dr. Kathleen Carrick, Social Work
1 st Place (TIE)	Lorraine Smith, Exercise Science & Brandon Pringle, Sport Administration	IS THE USE OF WEIGHT CUTTING IN WEIGHT-CLASS SPORTS ETHICAL?	Faculty Mentor: Dr. Joyce Olushola, Sport Management
Nursing and Health Professions Undergraduate			
2nd Place	N/A		
1st Place	Reid Martin, Biological Sciences & Kent Toledo, Biological Sciences	SOURCE OF CHOLINERGIC PROJECTIONS TO INFERIOR COLLICULUS IN RAT	Faculty Mentor: Dr. Susan Motts, Physical Therapy
Nursing and Health Professions Graduate			
2nd Place	Sarah Crook, Family Nurse Practitioner	PROVIDER ADHERENCE TO THE ADA GUIDELINE FOR MEASURING URINARY ALBUMIN EXCRETION IN DIABETIC PATIENTS	Faculty Mentor: Dr. Cathy Young, Nursing
1st Place	Terri Horne, Family Nurse Practitioner	RELATIONSHIP BETWEEN RSV AND ASTHMA IN PEDIATRICS	Faculty Mentor: Dr. Cathy Young, Nursing
ORAL PRESENTATION WINNERS			
Science, Technology, Engineering & Mathematics Undergraduate			
2nd Place	Ryan Listenbee, Mechanical Engineering	THEORETICAL MODELING FOR DYNAMIC BEHAVIOR IN VANADIUM REDOX FLOW BATTERY	Faculty Mentor: Dr. David Jeong, Mechanical Engineering
1st Place	Nicole Poe, Biological Sciences	COMPARING WATER QUALITY OF AGRICULTURAL AND NON-AGRICULTUREAL STREAMS	Faculty Mentor: Dr. Jennifer Bouldin, Biological Sciences

Science, Technology, Engineering & Mathematics Graduate

2nd Place	Rachel Welicky, Environmental Sciences	PARASITISM BY <i>ANILOCRA HAEMULI</i> ON FRENCH GRUNT (<i>HAEMULON FLAVOLINEATUM</i>) IS ASSOCIATED WITH HOST SOCIAL AFFILIATION AND AGGREGATION SIZE	Faculty Mentor: Dr. Paul Sikkel, Biological Sciences
1st Place	Jared Wolfe, Mathematics	A NEW TECHNIQUE FOR MULTIPLE COMPARISON TESTING	Faculty Mentor: Dr. Hong Zhou, Mathematics & Stastics

Humanities & Social, Behavioral Sciences & Health Sciences Undergraduate

2nd Place	Morgan Caples, Communication Disorders	FLUENT CONVERSATION AS A METRIC FOR HEARING AID BENEFIT	Faculty Mentor: Dr. Mike McDaniel, Communication Disorders
1st Place	Kayla Spray, Nursing	COMPARISON OF WRITTEN MEDICAL INFORMATION PROVIDED BY MEDICAL CLINICS AND PHARMACIES IN TWO COUNTIES IN NORTHEAST ARKANSAS	Faculty Mentor: Dr. Susan Snellgrove, Nursing

Humanities & Social, Behavioral Sciences & Health Sciences Graduate

2nd Place	Micah Glover, Music Education	LIGHTNING TALK: CREATING A PERFORMER'S ANALYSIS OF A POST-TONAL WORK OF PAUL HINDEMITH	Faculty Mentor: Dr. Edward Owen, Music
1st Place	Swapnali Halder, Molecular Biosciences	CHRONIC ORAL NICOTINE INTAKE IMPACTS NICOTINE METABOLISM BUT NOT THE CIRCULATING ESTRADIOL LEVELS IN FEMALE RATS	Faculty Mentor: Dr. Amy Pearce, Psychology & Counseling

Creative/Artistic Presentation Winners

2nd Place	Braden Herring, English	COMING OUT IN CONTEXT	Faculty Mentor: Dr. Kathleen Carrick, Social Work
1st Place	Liam Costello, Social Work	HOW HIS STORY BECAME OUR STORY: LGBTQUA'S RESPOND TO THE DEATH OF MATTHEW SHEPARD	Faculty Mentor: Dr. Kathleen Carrick, Social Work

Art Gallery Winner

1st Place	Jessica Corder, Studio Art	STRANGERS	Faculty Mentor: Dr. Melissa Wilkinson, Art
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BEST OVERALL UNDERGRADUATE POSTER PRESENTATION

William Blair, Chemistry	HIGH THROUGHPUT PHENOTYPING APPROACHES TO IDENTIFY SALT TOLERANCE LINES WITHIN A RICE DIVERSITY PANEL	Faculty Mentor: Dr. Argelia Lorence, Chemistry & Physics
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BEST OVERALL GRADUATE POSTER PRESENTATION

Keitha Keech, Family Nurse Practitioner	EFFECTS OF DIABETES SELF-MANAGEMENT EDUCATION AND TEACHING ON HGA1C LEVELS	Faculty Mentor: Dr. Lisa Waggoner, Nursing
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BEST OVERALL CREATIVE/ARTISTIC PRESENTATION

Cassie Phillips, Biological Sciences	THE ROLE THAT GENDER PLAYS IN COMING OUT AND THE LGBT COMMUNITY	Faculty Mentor: Dr. Kathleen Carrick
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BEST OVERALL UNDERGRADUATE ORAL PRESENTATION

Ryan Lee, Counseling & Michelle Cebada, Counseling	A SERVICE-LEARNING APPROACH TO STUDENT-FOCUSED MOTIFATIONAL INTERVIEWING	Faculty Mentor: Dr. Gill Strait, Psychology & Counseling
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BEST OVERALL GRADUATE ORAL PRESENTATION

Mary Kilmer, Environmental Sciences	WATER QUALITY IMPAIRMENTS OF THE CACHE RIVER, ARKANSAS: WHO'S TO BLAME	Faculty Mentor: Dr. Jennifer Bouldin, Biological Sciences
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