

20th Annual

EURēCA

Exhibition of Undergraduate
Research and Creative Achievement

2016



THE UNIVERSITY OF
TENNESSEE
KNOXVILLE

UNDERGRADUATE RESEARCH

Welcome to the University of Tennessee's 20th annual Exhibition of Undergraduate Research and Creative Achievement (EURēCA). Held each spring, this event celebrates original and creative works completed by undergraduate students as the highlight of Research Week events and celebrations. Moreover, it recognizes the important role of faculty in providing mentoring to students in their academic and professional disciplines.

The Office of Undergraduate Research coordinates this unique competition to encourage, support, and reward undergraduate participation in the campus research enterprise. By participating in campus research these students are able to develop faculty mentoring relationships, enhance their resumes, and become more competitive when applying to graduate school.

The diverse array of exhibits and performances highlight a broad range of endeavors and approaches. The presentations include both individual and team efforts, and represent projects pursued beyond course requirements as well as projects that illustrate the pursuit of original work in the classroom.

Generous support for this event is provided by the Office of the Chancellor and the Office of Research and Engagement. Awards were provided by colleges, departments, Phi Kappa Phi National Honor Society, and the Office of Sustainability. Also we send a big thank you to our division representatives in organizing the participants from their areas and to our judges for all of their hard work in selecting this year's winners. We are also thankful for the time and effort the library has devoted to ensuring this event is a success.

Thank you for taking the time to visit the event, speak with the students, and support the excellent undergraduate research and creativity activity at The University of Tennessee, Knoxville. If you would like to become more involved in undergraduate research, I encourage you to take advantage of our enhanced institutional membership of the Council on Undergraduate Research as well as contact our office for information on how to get started.

Sincerely,

A handwritten signature in black ink that reads "Marisa Moazen". The script is fluid and cursive, with the first name "Marisa" and last name "Moazen" clearly legible.

Marisa Moazen, Ph.D.

Director, Office of Undergraduate Research

Exhibition of Undergraduate Research and Creative Achievement 2016

Schedule of Events

Monday, April 11

4:30 p.m. Kickoff by Chancellor Cheek
5:00 p.m. – 8:00 p.m. Exhibition of Group A opens for judging and viewing

Architecture + Design; Arts & Sciences – Humanities, Social Sciences, Visual & Performing Arts; Communication and Information; Education, Health, and Human Sciences; Nursing; Social Work; and Haslam College of Business students

Tuesday, April 12

All Day Exhibitions open to the public

Wednesday, April 13

5:00 p.m. – 8:00 p.m. Exhibition of Group B opens for judging and viewing

Agricultural Sciences and Natural Resources; Arts & Sciences Natural Sciences; Engineering students

Thursday, April 14

All Day Exhibitions open to the public
6:00 p.m. – 7:30 p.m. Awards Ceremony in Alumni Memorial Building, Room 210

School of Music EURēCA Top Winner, selected at the University of Tennessee's
School of Music 2016 Celebration of Excellence Competition, performance:
Rebecca Percy, Flute
Fantaisie (Georges Hüe)
Faculty Mentor: Dr. Shelley Binder

All events in Hodges Library unless otherwise noted.

Exhibition of Undergraduate Research and Creative Achievement

2016 Division Representatives

Suzanne Allard
Communication & Information

Christine Boake
Arts & Sciences

Sunha Choi
Social Work

Phillip Daves
Business

T.K. Davis
Architecture & Design

Kimberly Gwinn
Agricultural Sciences & Natural Resources

Kevin Kit
Engineering

Andrew Skoog
Music

Cary Staples
Art

Jamia Stokes
Education, Health, & Human Sciences

Kathleen Thompson
Nursing

Office of Research & Engagement

Taylor Eighmy
Vice Chancellor for Research & Engagement

Office of Undergraduate Research

Marisa Moazen
Director of Undergraduate Research

Kolin Konjura
Graduate Teaching Assistant

Vanessa Frye
Undergraduate Assistant

Special thanks to Vanessa Frye, Communications Studies major, for assisting in the execution of EURēCA and designing all advertisements and collateral materials.

EURēCA

Exhibition of Undergraduate Research & Creative Achievement

This year, over 430 undergraduate students from the University of Tennessee will be presenting their research and creative activity at EURēCA. This research covers many different disciplines, from cinema studies to mechanical engineering to stock market studies, and are categorized into the following 11 judging divisions:

College of Agricultural Sciences and Natural Resources

College of Architecture and Design

College of Arts and Sciences

School of Art, College of Arts and Sciences

School of Music, College of Arts and Sciences

Haslam College of Business

College of Communication and Information

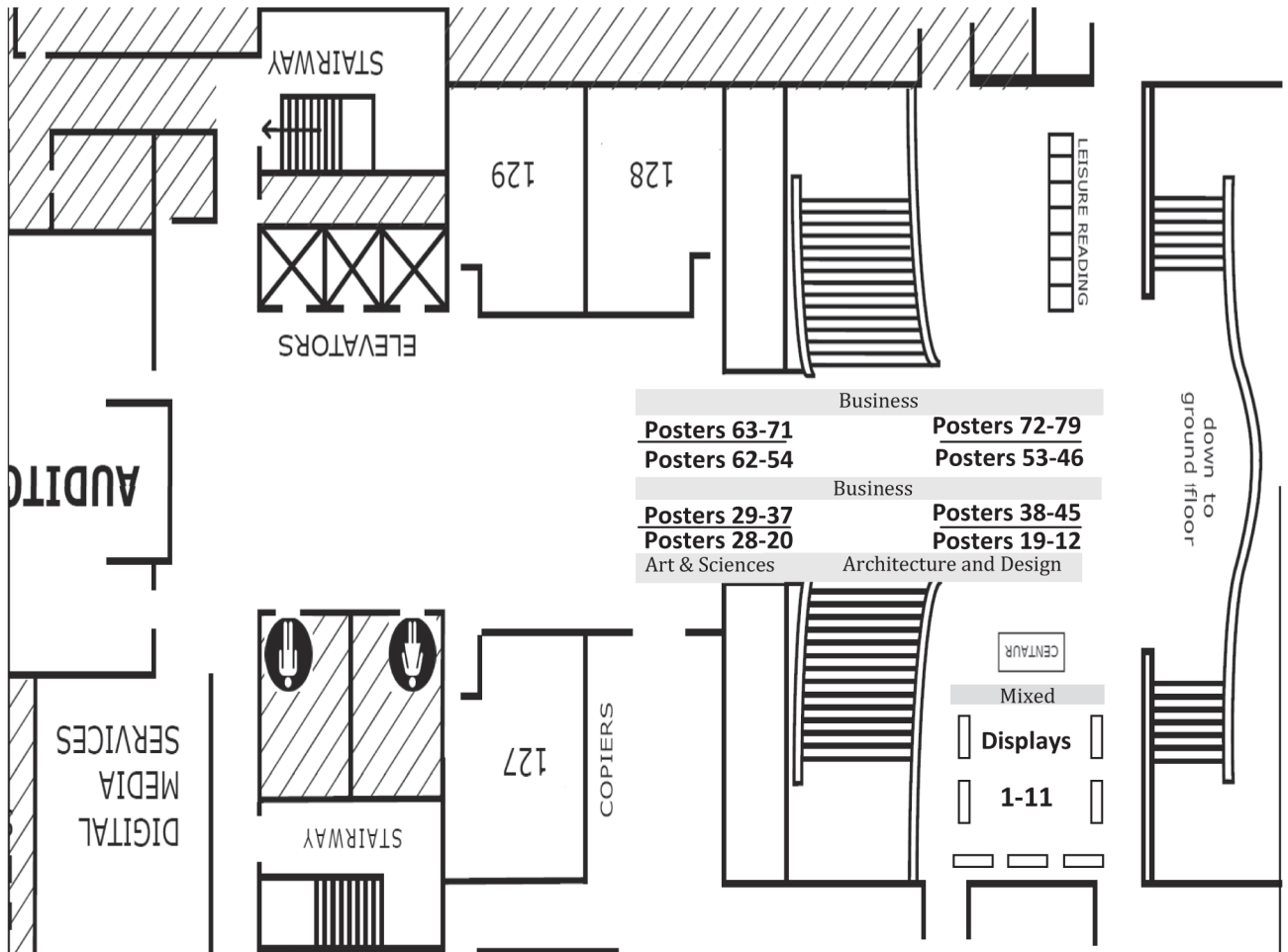
College of Education, Health, and Human Sciences

College of Engineering

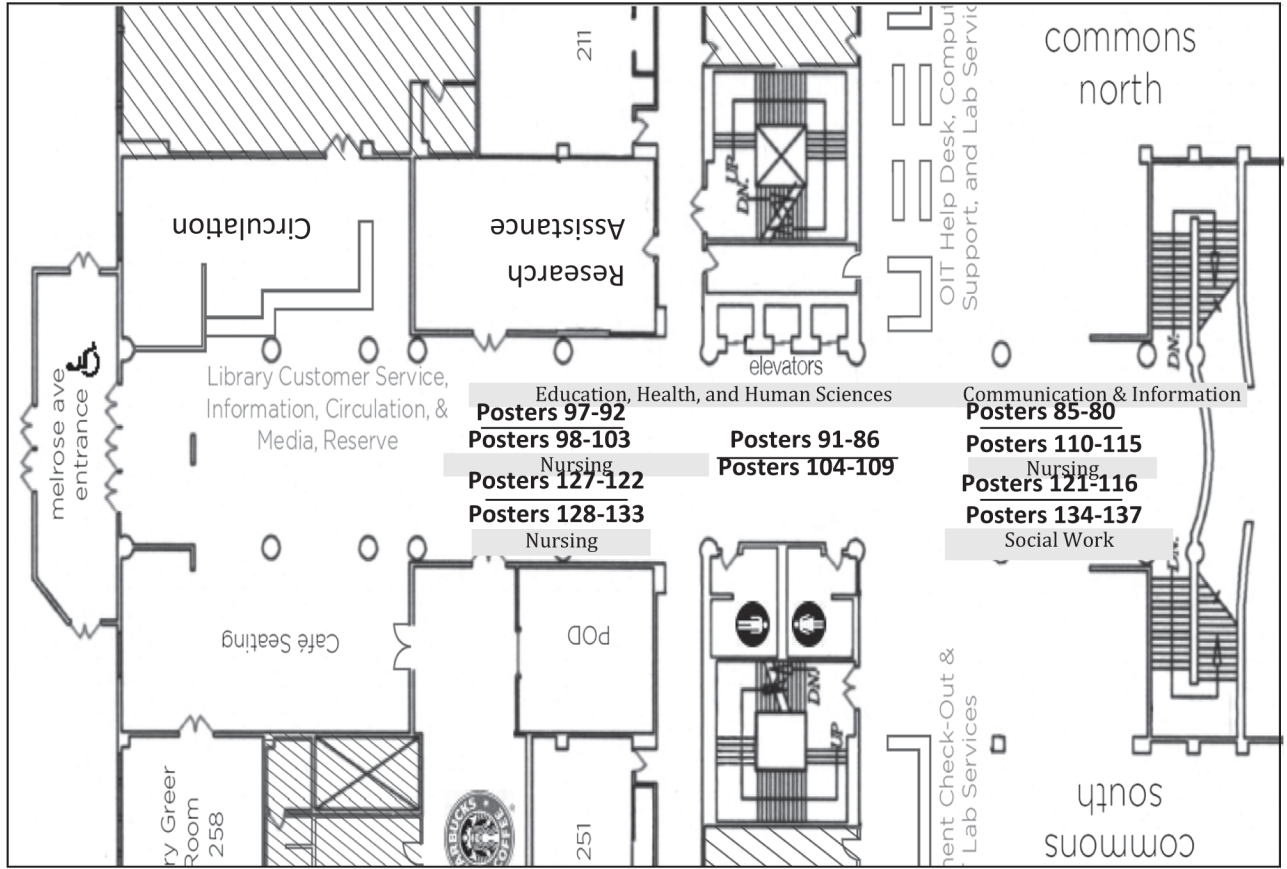
College of Nursing

College of Social Work

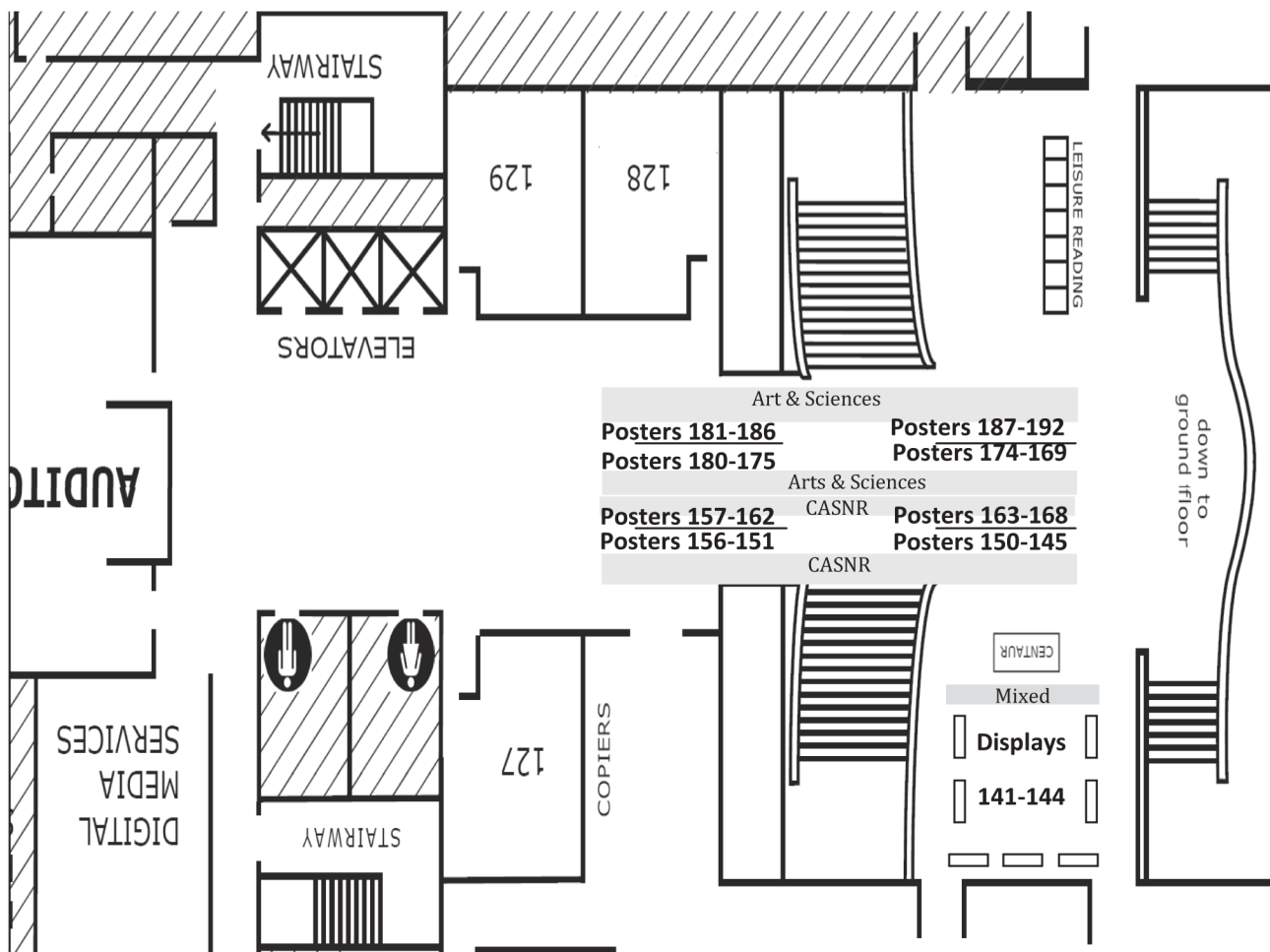
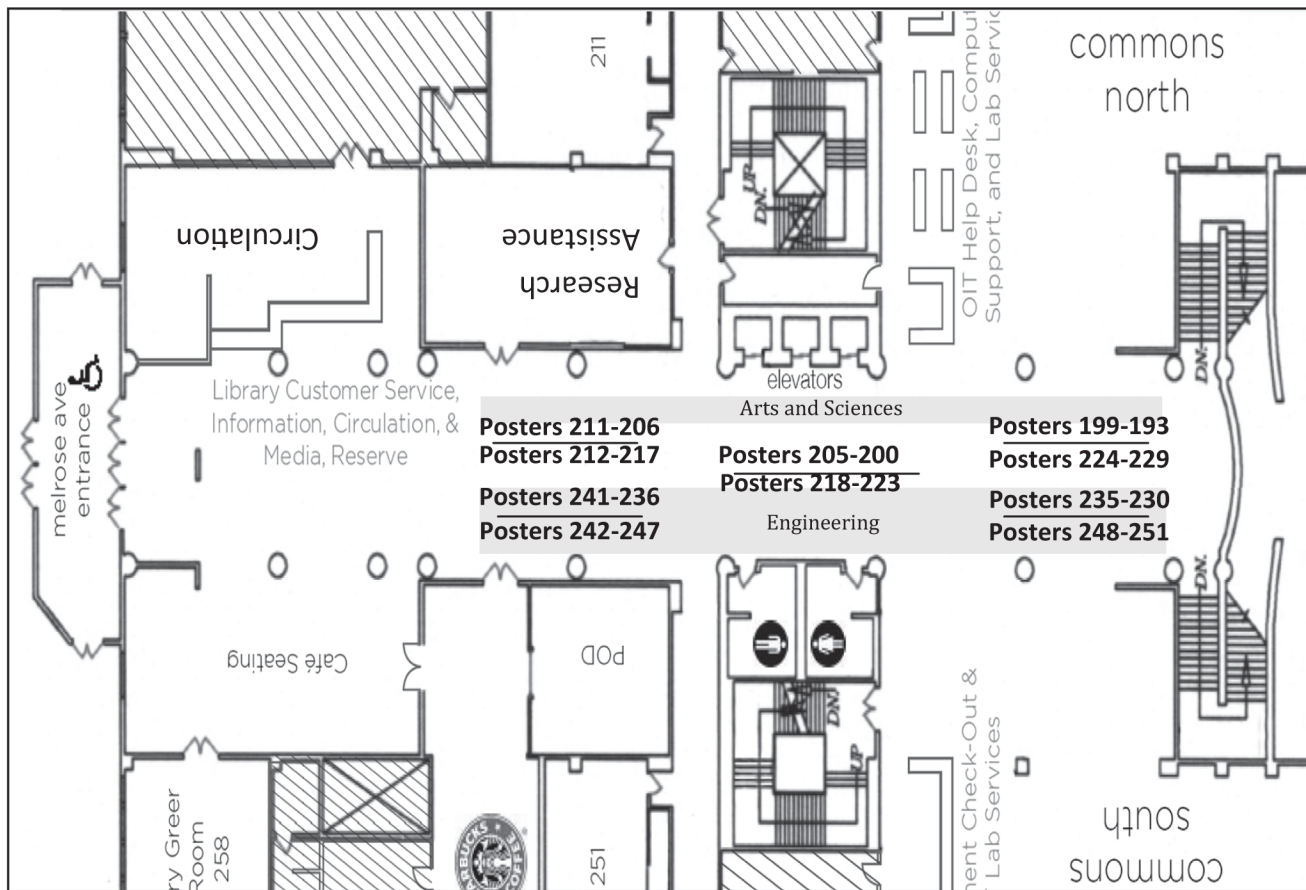
Monday, April 11 & Tuesday, April 12
John C. Hodges Library 1st Floor Map



Monday, April 11 & Tuesday, April 12
John C. Hodges Library 2nd Floor Map



Wednesday, April 13 & Thursday, April 14
John C. Hodges Library 1st Floor Map



Research Posters and Creative Works

Presented on Monday, April 11 & Tuesday, April 12

College of Architecture and Design

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
1	Angela Claey's, Hannah Margush	Architecture	(Hear...There)	Mullikin, Lisa
12	David Berry	Architecture	Seeking Silence, The Great Salt Lake Desert	Stuth, Tricia
13	Cayce Davis	Architecture	Rapturous South, Pitstop Confessional: Waffle House [Re] Visited	Ambroziak, Brian
14	William Dunn	Architecture	Knoxville Architecture Senior High School: Sewing the Fabric of Place	Beckman, Julie
15	Brice Holmes	Architecture	East Nashville Revitalization	Davis, TK
16	Kelsey Julian	Architecture	home for a pattern vendor	Ambroziak, Brian
17	Christina Lulich	Architecture	Scalar Conflict: Perceiving Truth Through Contradiction	Stuth, Tricia
18	Joshua Parsley	Architecture	The Bridge to Centennial	Davis, TK
19	Nathanael Ryman	Architecture	Rapturous South: A Retroactive Manifesto. Blue 42	Ambroziak, Brian
20	Macvan Scott, Caleb Brothers	Architecture	Transformative Production - Applying Sustainable Design to the Old City	Stevens, Kevin
21	Mustapha Williams	Architecture	ONE KNOXville	Davis, Marleen
22	Kristia Bravo, Alexis Jolley, Cayla Adams	Interior Design	Orchestration	Teston, Liz
23	Rachel Hunt	Interior Design	EXPRESSION + EXHIBITION	Aoukar, Ryann

College of Arts and Sciences - Humanities -

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
8	Stephanie Bullock, Kiernan Bensey, Jacob Gross, Erik Vass, Alyssa Gauci	French	Bonne Chance	Dubreil, Sebastien
9	Molly Cross	English	The Cultural Phenomenon of the Working Man: A Historical Analysis of Theatrical Masculinity	Anderson, Misty
24	Samuel Brakebill	Classics	A Four-Legged Bull? The Interpretation of τετραπόδιον Sophocles' Trachiniai	Sklenar, Robert

25	Johnathan Clayton	Religious Studies	Practical Magic: The Influence of Pop Culture Depictions of Magic, Paganism, and the Occult on Modern Pagans, Polytheists, and Witches	Hutton, Thomas
26	Desiree Dube	History	The “Information Battle”: Defining Chechen Identity during the Second Chechen War	Pervukhin, Natalia
27	Rebekah Gyger	Anthropology	Floating in the Desert: Geo-Archaeological and Archeo-Botanical Research at Ayn Gharandal	Darby, Erin
28	Honor Lundt	Interdisciplinary Programs	Female Warriors: Judith, Grendel’s Mother, and Gender Roles in Anglo-Saxon England	Mackenzie, Scott
29	Sara Poarch, Taylor Thomas	Religious Studies	Roman Fort Excavation in Ayn’ Gharandal, Jordan During 2015 Field Season	Darby, Erin
30	Melissa Quarles	Music	Klezmer Music and Identity	Golden, Rachel
31	Coral Thayer	Classics	Investigation of the Roman Military Bathhouse Complex at ‘Ayn Gharandal	Darby, Erin

College of Arts and Sciences - Social Sciences -

Poster #	Poster Number	Student’s Major	Project Title	Faculty Mentor
10	Hannah Summers	Sociology	Exonerations, Race, and Conservative Activism Agasint the Death Penalty in the United States	Presser, Lois
32	Ashton Clark, Christina Thiessen	Psychology	Emotional Intelligence, Relationship Satisfaction, and ADHD in Emerging Adults	Bolden, Jenn
33	Evelyn Conner, Melanie Jacobson	Psychology	The College Experience: The Relationship between Sleep, Alcohol Use, and Executive Functioning.	Bolden, Jenn
34	Caleb Cooper, Sabrina Thurman	Psychology	Longitudinal Changes in Infant Postural Development and Stabilization	Corbetta, Daniela
35	Candace Green, Avanti Rangnekar, Kristen Blocker	Psychology	Power in Numbers?: Relationality Reduction as a Coping Mechanism in Response to Social Stigmatization	Shteynberg, Garriy
36	Seth Green	Psychology	The Superman Pose: Postural Effects on Self Report and Physiological Measures	Baldwin, Debora

37	Hudson Kelley, Michael Hazelton	Geography	Folk Economic Geography: Pricing Private Parking on Game Day in Fort Sanders, Knoxville	Foresta, Ronald
38	Michael Miceli	Interdisciplinary Programs	Understanding Social Presence and Subject Position in Online Environments	Dubreil, Sebastien
39	Benjamin Miller, Stephanie Kors	Business Analytics / Statistics	Do children of gay fathers differ from children of straight parents? A fixed effects, random effects, and quality effects model.	Macfie, Jenny
40	Preston Mitchell	Geography	Undergraduate Student Motivations for Choosing a Science, Technology, Engineering, or Mathematics (STEM) Major	Van Riemsdijk, Micheline
41	Shelby Moses	Modern Foreign Lang/Literature	Primary Education Changes to Increase Higher Education Hispanic Enrollment Rates in Tennessee	Parker, Lisa
42	Veronica Nelson	Sociology	A Discourse Analysis of 'Blue Lives Matter' Online	Presser, Lois
43	Rebecca Shrem	Biochem/ Cellular/ Molecular Bio	Use of process analogies to enhance student learning	Jain, Nitin
44	Jessica Shultz, Edward Chung	Psychology	ADHD, Aggression, and Young Adult Delinquency	Bolden, Jenn
45	Heather Smith, Natasha Parowski, Jabria Irby	Interdisciplinary Programs	Alone, Together: The Relationship between Stigmatization and Cultural Relationality	Shteynberg, Garriy
46	Stephanie Smith, Jerika Norona	Psychology	Impulsivity and the Dissolution of Romantic Relationships	Welsh, Deborah
47	Elizabeth Stanfield	Geography	Bicycle Liberation: Urban livability and inequality in Copenhagen	Van Riemsdijk, Micheline
48	Grace Wholley	Psychology	Word Learning in Quiet and in Noise	Hay, Jessica

College of Arts and Sciences - School of Art -

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
2	John Mcamis	College Scholars Honors	The Van	Harrill, Paul
3	Jia Liang	Electrical and Computer Engr	"Bonne Chance" mobile version	Staples, Caryoln
4	Caroline Knight	Interdisciplinary Programs	Visionary	Harrill, Paul
5	Kiernan Bensey	School of Art	Sensory Code	Staples, Carolyn

6	Spencer Grady	School of Art	Bringing 2d art into the 3d realm	Lyons, Beauvais
7	Santiago Ortiz-Piazuelo	School of Art	The Confluence of Language and Its Significance Through Visual Exploration	Lyons, Beauvais
49	Kari Cottrell, Kiley Mccarley, Erik Vass, William Reynolds	School of Art	Beck Tour App	Lukens, Jonathan
50	Quentin Eastridge, Erik Vass	School of Art	Health Information Technology & Simulation Lab: Interactive Debriefing Application (IDA)	Lowe, Sarah
51	Thomas Foltz	School of Art	Pupil, Learning Disabilities and the importance of Empathy.	Lowe, Sarah
52	Benjamin Maxey, Thomas Foltz	School of Art	Bonne Chance, Language Learning and Visual Coding	Staples, Carolyn
53	Kaleigh Veca, Kristin Buchanan, Carolina O'Neal, Alexandro Cruz	School of Art	Beck Cultural Exchange Center Mobile Museum App	Lowe, Sarah
54	La'Bria Wimberly	School of Art	Student Loan Debt "How can society help to lessen the effects of student loan debt on the Millennials generation?"	Lukens, Jonathan

Haslam College of Business

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
55	Sarah Aronson	Accounting	High Reliability Means Never Having to Say You're Sorry	Hollander, Anita
56	Garrett Holt	Accounting	Bodies by Ghee- Online Personal Training Business Plan	Graves, Thomas
57	Matthew Orians	Accounting/ Information Mgmt	Creating networks for success: social capital and recent college graduates	Leap, Terry
58	Wayne Taylor	Accounting/ Information Mgmt	Guess who's being your mentor? A photo elicitation study of mentorships to minority aspirant Certified Professional Accountants.	Smith, Anne
59	Zachery Coleman	Business Administration	Business Plan: Real Estate Investing	Graves, Thomas
60	Kenan Smith	Business Administration	Big Press and "She"-EOs: a content analysis of corporate leaders' portrayal in the press	Reger, Rhonda
61	Deventer Van	Business Analytics / Statistics	Evaluating Prediction Models for Targeting Product Reviewers	Ballings, Michel

62	Mariah Beane	Economics	How is the Stock Market like Stephen Curry? Non-Parametric Resampling Techniques for Identifying Persistence in Returns.	Daves, Phillip
63	Lindsey Bowman	Finance	Creating a Healthier Menu for Convenience Stores	Anderson Steeves, Betsy
64	Patrick Conaty	Finance	International Expansion in the Retail Industry: A Multi-Case Study on Strategic Variables Resulting in Successful or Failed Expansions	Moon, Mark
65	Timothy Cook	Finance	Swiss National Bank Information Leakage	Puckett, Andy
66	Benjamin Davis	Finance	Understanding the Retail Investor: Fundamental and Technical Analysis	Flint, Daniel
67	Piper Davis	Finance	How Do Sharing Economy Companies Grow? A Comparison of Internal and External Growth Patterns of Airbnb and Uber	Smith, Anne
68	Jonathan Edwards	Finance	Who Is To Blame? Attribution Theory In The Automotive Industry	Munyon, Tim
69	Chance Summers	Finance	Business Plan for Residential Rental Company	Boehm, Thomas
70	Lauren Steele	Management	Is Political Skill “The New Black?”	Munyon, Tim
71	Katrina Laemmerhirt	Marketing and Logistics	Is Cheap Fashion Too Good to be True? Consumer Perceptions of Sustainability and Shopping Behaviors in the Fast Fashion Industry	Kim, Youn-Kyung
72	Alexandra Barton	Marketing/ Supply Chain Mgt	“The Big Cheese” - A Comprehensive Business Plan	Daves, Phillip
73	Anna Gardner	Marketing/ Supply Chain Mgt	Restoring Purpose: the redevelopment of abandoned spaces	Daves, Phillip
74	Samantha Herold	Marketing/ Supply Chain Mgt	A Material(ity) World: A Content Analysis of CSR Reporting Strategies of the Food & Beverage and Automotive Industries	Mollenkopf, Diane
75	Sarah Hudson	Marketing/ Supply Chain Mgt	Old City Acts	Graves, Thomas
76	Elizabeth Nguyen	Marketing/ Supply Chain Mgt	Where are the women? A study of gender disparity in Supply Chain Management	Mollenkopf, Diane
77	Amira Sakalla	Marketing/ Supply Chain Mgt	Building Up: Narratives of Organizational Emergence	Smith, Anne

78	Kaitlin Waters	Marketing/ Supply Chain Mgt	Brand Positioning vs. Employee Behavior: How Customer Service Affects Brand Perception	Zablah, Alex
79	Thomas Zyer	Marketing/ Supply Chain Mgt	Thinking and Feeling: The Difference in Strategies of Pharmaceutical Advertising	Schumann, David

College of Communication and Information

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
80	Alexander Wade	Advertising	Kanye West: The Brand	Childers, Courtney
81	Steven Woods	Advertising	Understanding Trends in Social Media Advertising from the Agency Perspective	Childers, Courtney

College of Education, Health, and Human Sciences

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
82	Victoria Watson	Biochem/ Cellular/ Molecular Bio	Re-Traumatization of Sexual Trauma in Women's Reproductive Health Care	Meschke, Laurie
83	Joseph Perry	Biology	Duloxetine medication and its effect on lipid accumulation in fat cells	Zhao, Ling
84	Natalie Bennett	College Scholars Honors	Inactivation of Pyruvate Dehydrogenase Mediates Decreased Butyrate Oxidation in Colorectal Cancer Cells	Donohoe, Dallas
85	Morgan Hartgrove	College Scholars Honors	An Examination of Treatment Protocol for Infants with Neonatal Abstinence Syndrome	Meschke, Laurie
86	Joshua Anderson	Kinesiology/ Recrat/Sport St	Physical Activity and Cognition in Preschool Children	Coe, Dawn
87	Amy Estep	Kinesiology/ Recrat/Sport St	An Epidemiological Study of Ankle Injuries among Football Players at a Division I University	Fitzhugh, Eugene
88	Erin Podgorski	Kinesiology/ Recreat/Sport St	From Lateral to Leader: A Study of Preschooler's Relationship with Peers	Neitzel, Carin
89	Daniel Sample	Kinesiology/ Recreat/Sport St	Use of Exercise Support Methods in Free-Living Adults	Strohacker, Kelly
90	Katherine Alexander	Nutrition	Changes in Caloric Beverage Consumption and Body Mass Index in Clients with Bariatric Surgery	Raynor, Hollie

91	Chelsea Allison	Nutrition	The Impact of Arts and Culture on Health Behaviors in College Students	Colby, Sarah
92	Stephanie Eddy	Nutrition	Habituation Rate to Foods of Differing Fat and Sugar Content in Healthy Weight Women	Raynor, Hollie
93	Marcel Holman	Nutrition	The Establishment of A High Performance Liquid Chromatography Method for Vitamin A Measurement in Nutrition Department	Chen, Guoxun
94	Ashley Northcutt, Caitlin Hamm, Kristin Riggsbee	Nutrition	College Students and Risk of Developing Type 2 Diabetes	Colby, Sarah
95	Anna Truong	Nutrition	Comparative Analysis on Shelf Inventory Contents Before and After Nutrition and Physical Activity Education	Spence, Marsha
96	Emmitt Turner	Public Health	Changes in HIV over time for the east region of Tennessee	Meschke, Laurie
97	Mary Musacchio, Collin Greaser, Emma Bennett, Samuel Harmon	Theory/Practice in Teacher Ed	Evaluating self-Instruction using YouTube to acquire and generalize vocational skills for college students with autism and intellectual disability	Cihak, David

College of Nursing

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
98	Anna Becraft, Margaret Pfeifer, Mary Noles, Katherine Kelley, Jessica Schneider	Nursing	Effects of Sunlight on Post Op Pain	Acred-Natelson, Laurie
99	Rebecca Bell	Nursing	The Effects of Cuddling in Neonates Experiencing Neonatal Abstinence Syndrome	Chyka, Deb
100	Mallory Bonee, Bethany Lanzilotta, Abby Prince, Casey Reagan	Nursing	The Effects of Hirudotherapy on Wound Healing	Thompson, Kathleen
101	Emma Bossong, Laura Williams, Lauren Wills	Nursing	Education for Childhood Vaccinations	Thompson, Kathleen
102	Corey Byrge, Alexander Barkalow, Emily Boone, Brittany Richardt	Nursing	The Effectiveness of Heart Failure Discharge Teaching on Readmission Rates	Bland, Tami

103	Samantha Carley, Amy Larsh, Sharon Caddy, Kathryn Barnes	Nursing	Tradition vs. Evidence-Based Practice in ICU Visitation Policies	Thompson, Kathleen
104	Neely Celsor, Caitlin Beaman, Lee Wayland, Anna Whitworth	Nursing	The Effectiveness Of Patient Education With Technological Resources Versus Patient Education With Traditional Paper Handouts on Hospital Readmission Rates	Thompson, Kathleen
105	Caroline Darlington	Nursing	HIV-related Stigma Among Women in Appalachian Tennessee and Alabama	Hutson, Sadie
106	Tucker Devore, Alyssa Thanasack, Rachel Torry, Taylor Medlock	Nursing	Improving Poor Nursing Morale to Improve Patient and Nurse Experience	Thompson, Kathleen
107	Ashley Dykes, Warren Bryant, Hiro Yamada, Jacob Barron	Nursing	Early Mobilization of Mechanically Ventilated Patients	Thompson, Kathleen
108	Jacqueline Floyd, Abbey Taylor	Nursing	Medication Errors Associated with Sleep Deprivation and Fatigue in Night Shift Nurses Working on Intensive Care Units	Thompson, Kathleen
109	Lauren Gilletti, Shalini Patel, Tonya Denton, Emily Salomon	Nursing	Cystic Fibrosis: Transition Education from Pediatric to Adult Medical Care	Thompson, Kathleen
110	Matthew Grimm	Nursing	Predictive Risk Assessment Model for 30-Day Readmissions Among Heart Failure Patients in Southeast Appalachia.	Brown, Mary
111	Ashley Hall, Jorie Zajicek, Abigail Delisi	Nursing	The Illegal Use of Stimulants on College Campuses	Thompson, Kathleen
112	Meredith Haynes	Nursing	Physical Health Experiences of a Male Caregiver of a significant other with Breast Cancer	Hutson, Sadie
113	Adaya Kirk	Nursing	Audience, Content, Media: Factors to Consider When Designing Technology Based Asthma Education Programs for Children	Wyatt, Tami
114	Peyton Lee, Lindsay Bates, Laiken Kelley, Anne Ramsey	Nursing	Relationship Between Education and Compliance with Immunizations in Children	Chyka, Deb
115	Bryanna McClure, Heather Hollingsworth, Karis Terpstra, Meghan Mchale	Nursing	Alarm Fatigue: An Examination of Implications, Contributing Factors, and Interventions	Thompson, Kathleen

116	Michael Moore	Nursing	Impact of Hospital-Associated Sitters in Care of Unaccompanied Pediatric Patients	Bland, Tami
117	Stephanie Nabors	Nursing	A Literature Review of Substance Abuse Among Anesthesia Providers	Bonom, Julie
118	Emily Nicholson, Caytlin McClellan, Kayleigh McEahern, Christa Shackelford	Nursing	Review of Neonatal Abstinence Syndrome Protocol	Thompson, Kathleen
119	Emily O'Donnell, Nicole MacInnis, Courtney Larkin, Jennifer Mathewson	Nursing	Preventing Catheter Associated Urinary Tract Infections	Thompson, Kathleen
120	Kisan Patel, Jill Wright, Rachel Ogier, Lawrence Kennard, Michael Burgess	Nursing	UTMC Traumatic Brain Injury Protocol	Thompson, Kathleen
121	Madison Patterson	Nursing	Nurse's Self-Perceived Role in Hospital Reimbursement Process	Swift, Shelia
122	Trevor Rogers, Brianne Geist, Hunter Brooks, Rachel Cupp, Halie Lemasters	Nursing	Vaccines, Education, and Economic Status: A Proposed Quantitative Study	Swift, Shelia
123	Erin Russell, Rebecca Foster, Melissa Dudrick, Ann Mckenzie	Nursing	The Effects of Shift Length on Patient Safety	Thompson, Kathleen
124	Kylie Slayden	Nursing	Using an iPad interface for bedside communication with Spanish-speaking families in pediatric acute care: A feasibility pilot study	Mixer, Sandy
125	Laura Spence, Erinn Wright, Sierra Hooker, Taylor Watson	Nursing	Effects of Family Presence During Resuscitation in the Emergency Room	Thompson, Kathleen
126	Ashley Steinmetz	Nursing	Married and Unmarried Cohabitation Impact on Maternal Reproductive Behaviors and Neonatal Health Factors	Holtson, Ezra
127	Mackenzie Travis, Meghan Hart, Laura Haniford, Hunter Williamson	Nursing	Effects of the Valsalva Maneuver Compared to Alternative Techniques Used in Labor	Tourville, Jennifer
128	Avery Weida, Sarah Stevens, Jennifer Hill, Kelsey Smith	Nursing	An Exploration of the Adverse Physical and Psychological Effects of MRSA Contact Precautions in Hospitalized Patients	Thompson, Kathleen

129	Benjamin Woodward	Nursing	Unit level Changes in Central Line-Associated Bloodstream Infection Before and After Implementation of the Affordable Care Act and Mandatory Reporting Legislation	Umberger, Reba
130	Brittany Worrell, Emily Reed	Nursing	A Time Out for Safety	Thompson, Kathleen
131	Hannah Yoder	Nursing	Cultural and situational risk factors that determine Black women's experiences of antenatal care	Hardy, Lynda

College of Social Work

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
132	Andrea Brennan	Social Work	Reunification Rate of Drug Exposed Children in Custody with the Department of Children's Services, Knox County	Choi, Sunha
133	Jessica Catlin	Social Work	HIV Medication Compliance and Patient Satisfaction	Choi, Sunha
134	Lydia Cole	Social Work	Safety Measures and the Clients' Feelings in a Voluntary Crisis Stabilization Unit	Choi, Sunha
135	Tiffanie Davis	Social Work	A Case Manager's Experience: Children Born Addicted to Drugs	Choi, Sunha
136	Carlye Hunsucker	Social Work	Behavioral Changes in Adolescents after Family Visitations in a Boys Group Home	Choi, Sunha
137	Shaun McComas	Social Work	The Homeless and Civilians Legal Assistance Initiative: An Outcomes Evaluation	Choi, Sunha

Research Posters and Creative Works

Presented on Wednesday, April 13 & Thursday, April 14

College of Agricultural Sciences and Natural Resources

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
145	Kaitlyn Shields	Agr Leadership, Educ, Comm	Measuring School-Based Agriculture Education Total Program Success: Classroom, FFA, and SAE	Stripling, Christopher
146	Alexis Burnham	Animal Science	Identifying genetic factors in Streptococcus uberis that enable evasion of the host immune response	Pighetti, Gina
147	Natalie Ellefson	Animal Science	Use of a LPS challenge model to induce mild clinical signs and validate the Activity Monitoring System (AMS) in young dairy calves	Prado, Maria
148	Cody Riffe	Animal Science	Use of a RT-LAMP assay to detect pathogenic Salmonella sp. in wild-caught rodents and insects in rural East Tennessee	Prado, Maria
149	Sarah Staley	Animal Science	Phenotypic and Genetic Characteristics of Staphylococcus aureus Isolates from Cases of Bovine Mastitis	Kerro Dego, Oudessa
150	Molly White	Animal Science	Pharmacokinetics of Oral Meloxicam in Chickens	Cox, Sherry
151	Jessie Richards	Animal Science-Veterinary Medc	Serological diagnosis of Parelaphostrongylus tenuis infection	Kania, Stephen
152	Sarah Alouani	Biochem/ Cellular/ Molecular Bio	Exploring Granuloma Formation in Johne's Disease	Eda, Shigetoshi
153	Kacie Reynolds	Biochem/ Cellular/ Molecular Bio	Bioconfinement: Selective male sterility approach via pollen-specific EcoR1 expression in switchgrass	Stewart, Neal
154	Kelsey Ritter	Biochem/ Cellular/ Molecular Bio	Elucidating the Toxic Effects of Silver and Copper Nanoparticles on Oncorhynchus mykiss	Strange, Richard

155	Jakob Samsel, Austin Bow	Biochem/ Cellular/ Molecular Bio	Expansion, characterization, differentiation and visualization of 3t3-E1 preosteoblast cells: an in vitro model to study bone healing and regeneration effect of stem cells	Dhar, Madhu
156	Christina Kihm	Biology	Auxin signaling mutants iaa3 and iaa17 enhance plant resistance to cyst nematode parasitism	Hewezi, Tarek Abdel Fattah
157	Emine Fidan, Mary Iannuzzi	Biosystems Engr/Envr Science	Species on Military Installations using GPS-based Underwater Video	Ayers, Paul
158	Miles Ownby	Biosystems Engr/Soil Science	Shale Gas Assisted Hydrodeoxygenation of Phenol as Bio-oil Model Compound	Abdoulmoumine, Nour
159	Santiago Arbelaez	Food Science and Technology	Mutation on Kunitz trypsin inhibitor in soybean and its effect on stability of soybean bioactive peptides lunasin and Bowman-Birk inhibitor against simulated gastrointestinal digestion	Dia, Vermont
160	James Bradwell	Food Science and Technology	Storage Ability of Surghum Bicolor Alcoholic Extract as Affected by pH and Temperature	Dia, Vermont
161	Samuel Denney, Justice Halfacre, Timothy Jackson	Food Science and Technology	Impact of Grape Seed Extract on Sensory Characteristics of Leafy, Green Vegetables	Hollis, Francine
162	Lynsey Jones, Alexis Prillhart, Sarah Beazley	Food Science and Technology	Physicochemical characterization of starch from different sorghum varieties	Dia, Vermont
163	Amber Link, Denisha Orr	Food Science and Technology	Sensory Perception of Grape Seed Extract Applied to Fresh Produce	Hollis, Francine
164	Andrew Mallinak	Forestry, Wildlife/ Fisheries	The Town Coon and the Country Coon: What's For Dinner?	Muller, Lisa
165	Andrew Carter	Plant Sciences	Genome-editing of Glyphosate-Resistant Horseweed (<i>Conyza canadensis</i>) to Identify Glyphosate Resistance Genes	Lenaghan, Scott
166	Zachary Fox	Plant Sciences	Impact of legume cover crops on phosphorus cycling in organic cropping systems.	Butler, David
167	Tammy Stackhouse	Plant Sciences	Overexpression of the PpJAZ1 Gene in <i>Camelina sativa</i> for Cleistogamy	Liu, Wusheng
168	Nicole Talley	Plant Sciences	Evaluation of fungal endophytes and inoculation methods in <i>Vigna unguiculata</i>	Butler, David

College of Arts and Sciences
- Natural Science (Biology and Cell and Molecular Biology) -

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
169	Julianna Burchett	Biology	Evaluating the Cytotoxic Effects of Cellulose Nanocrystals (CNCs) Through Exposure of Autobioluminescent Yeast and Human Cells	Ripp, Steven
170	Timothy Carlew	Biochem/ Cellular/ Molecular Bio	Phloem Transport in ISE2 Mutants	Burch-Smith, Tessa
171	Rebecca Fong	Microbiology	Stability of Phosphatidylserine in the Membrane of Yeast	Reynolds, Todd
172	Alison Krenzer	Biochem/ Cellular/ Molecular Bio	The Effect of Hormones and ISE2 on Intercellular Trafficking in <i>Nicotiana benthamiana</i>	Burch-Smith, Tessa
173	Megan Landon	Interdisciplinary Programs	Validation of LRRK2 homology models and discovery of novel inhibitors	Smith, Jeremy
174	Enolia Marr	Microbiology	The Genetic Engineering of Zebrafish to Express Bacterial Luciferase for High-Throughput, Reagent-free, Toxicity Screening	Ripp, Steven
175	Ahmad Mitoubssi	Biochem/ Cellular/ Molecular Bio	Investigation of the tissue specific expression profiles of the Nodulin Intrinsic Protein family of Aquaporins in <i>Arabidopsis thaliana</i>	Roberts, Daniel
176	Andreas Montano	Biochem/ Cellular/ Molecular Bio	Stigma Signaling for Pollen Germination in <i>Arabidopsis thaliana</i>	Nebenfuehr, Andreas
177	Clayton Nunn	Biochem/ Cellular/ Molecular Bio	Sub-cellular localization of <i>Arabidopsis thaliana</i> NIP2;1 major intrinsic protein, and its effects on hypoxic stress survivability	Roberts, Daniel
178	Akshita Patel	Biochem/ Cellular/ Molecular Bio	Characterization of <i>Nicotiana benthamiana</i> Plants Overexpressing ISE2	Burch-Smith, Tessa
179	Erika Sanders	Biochem/ Cellular/ Molecular Bio	Identification of a General Targeting Motif Guiding Interaction Between Nuclear-Encoded Plastid Precursors and the Translocon of the Plastid Outer Membrane	Bruce, Barry
180	Erin Sherwin, Aliyah Alcala	Microbiology	Developing a Gene Delivery System for Expression of Bacterial Luciferase Gene Cassette in Stem Cells	Ripp, Steven

181	Abbigail Stidham	Biochem/ Cellular/ Molecular Bio	Induced Programmed Cell Death (PCD) in the Presence of E93	Park, Jae
182	Kelly Arnholt	Microbiology	Evaluation of Cellulose Nanocrystal Toxicity Using the Bioreporter E. coli 652T7	Ripp, Steven

College of Arts and Sciences - Nueroscience -

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
183	Samuel Adler	Psychology	Effects of Testosterone Signaling at Androgen Receptors on Resistance to Conditioned Defeat	Cooper, Matthew
184	Alexander Clark	Biochem/ Cellular/ Molecular Bio	The Promiscuity of Allosteric Regulation of Nuclear Receptors by Retinoid X Receptor	Shen, Tongye
185	Amina Naantaanbuu-Jones	Biochem/ Cellular/ Molecular Bio	Exploring LRP-1 Expression in the Suprachiasmatic Nucleus as a Regulator of the Mammalian Circadian Clock	Prosser, Rebecca
186	James Ray	Biochem/ Cellular/ Molecular Bio	Change in expression of Drosophila insulin-like peptide 7 (DILP7) over D. melanogaster life cycle	Park, Jae
187	John Russell	Biochem/ Cellular/ Molecular Bio	Investigating Circadian Rhythms in tPA and Pai-1 Using Neuronal Cell Culture	Prosser, Rebecca
188	Sahba Seddighi	College Scholars Honors	Cellular mechanisms by which social status alters behavioral responses to stress	Cooper, Matthew

College of Arts and Sciences - Ecology, Evolutionary, and Behavioral Sciences-

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
189	Sheridan Brewer	Microbiology	Isolation and Characterization of Anaerobic Microbial Communities from Hydraulic Fracturing Fluids	Hazen, Terry
190	Han Cho	Microbiology	Determine prevalence and transmission of Toxoplasma gondii in Amazon Natives	Su, Chunlei
192	Hunter Johnson	Earth/Planetary Sciences	Alkane hydroxylase genes in marsh sediment from Grand Isle, Louisiana, 2011-2014	Engel, Annette

193	Kathleen Mcguire	Microbiology	Duckweed Dynasty: Characterization of Microbes Associated with Duckweed	Lebeis, Sarah
194	Nicholas Nagy, Jeremiah Henning, Quentin Read, Kenna Rewcastle	Ecology/ Evolutionary Biology	Mycorrhizal fungal community interaction on Rocky Mountain elevation gradient	Classen, Aimee
195	Sarah Ottinger	Biosystems Engr/Envr Science	Plant selection of mycorrhizal symbionts in response to abiotic stress	Classen, Aimee
196	Brooke Pearson	Geography	"External Forcing Factors that Affect Torque Resistance Among Hardwood and Softwood Species, Norris Dam State Park, Tennessee, U.S.A."	Grissino-Mayer, Henri
197	Joseph Robinson	Geography	Accuracy of Terrestrial Laser Scanning Compared to Traditional Methods in Costa Rica Transitional Cloud Forest	Washington-Allen, Robert
198	Connor Vermilyea	Geography	Validation of the use of Terrestrial Laser Scanning (TLS) of 3-D forest structure of Miombo Woodlands in Niassa National Reserve	Washington-Allen, Robert
199	Devin Williams	Anthropology	Scoring Human Decomposition from Photographs: A Validation Study	Mundorff, Amy
200	Erika Youngquist	Civil and Environmental Engr	Genomic Diversity of Pseudoalteromonas species from Geographically Distant Marine Basins	Hazen, Terry

College of Arts and Sciences

- Physical Sciences-

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
201	Lindsay Caves	Earth/Planetary Sciences	Northwest Africa 10452, AN UNUSUAL BASALTIC EUCRITE	McSween, Harry
202	Scott Eckley	Earth/Planetary Sciences	Uncommon Diogenitic Troilite-Orthopyroxene Melt Texture: 2-phase Symplectite Found in Diogenite NWA 10451	McSween, Harry
203	Chad Melton	Earth/Planetary Sciences	Photometry of Scattered Disk Objects at 3.6 μ m and 4.5 μ m	Emery, Joshua

204	Nicholas Stamper	Earth/Planetary Sciences	NEAR-INFRARED SPECTROSCOPY OF TROJAN ASTEROIDS: ASSESSING COMPOSITIONAL BIMODALITY AT SMALL SIZES	Emery, Joshua
205	Aaron Stubblefield	Earth/Planetary Sciences	Kinematic Vorticity Analysis of the Cordillera Blanca Shear Zone	Jessup, Micah
206	Brandon Barker, Jesse Buffaloe	Physics and Astronomy	A Singular Value Decomposition of 15M Progenitor Chimera Data	Mezzacappa, Tony
207	Ashlie Carter	Physics and Astronomy	PhotoMultiplier Tube Coupling to HAGRD Crystals	Grzywacz-Jones, Katherine
208	Rachel Mersch	Physics and Astronomy	Nucleosynthesis in Core-Collapse Supernovae	Hix, William
209	Louis Varriano	Physics and Astronomy	Neutron-mirror neutron oscillations in a residual gas environment	Kamyshkov, Yuri

College of Engineering

Poster #	Student(s)	Student's Major	Project Title	Faculty Mentor
141	James Swart, Parker Dulin, Payton Smith	Biosystems Engr/Soil Science	RSWaTS: Rural School Wastewater Treatment System	Buchanan, John
142	Hannah Hankins, Michael Kelso, Steven Shuman, Jonathan Holt, Monty Braden, Gregory Haerr, Jason Patterson, Chelsea Thompson	Civil and Environmental Engr	Evaluation of Dry Flue Gas Desulfurization Byproduct in Cementitious Applications	Retherford, Jenny
143	Catherine Lowe, Kristina King, Christopher Royer, Brooklynn Isom, Seth Gilliland, Andrew Fulkerson, Jaylyn Johnson	Civil and Environmental Engr	Nickajack Industrial Park Development	Retherford, Jenny
144	Douglas Bouler, Jared Baxter	Electrical Engineering	Low Power Boost Converter Optimization	Costinett, Daniel
210	Brannndon Jones	Biomedical Engineering	Flow Controller for Studies of Bacterial Cells on Lab-on-a-Chip Devices	Mannik, Jaan
211	John Donlon, Edward Kiombe, Barbara Smith	Biosystems Engr/Soil Science	The Trail Saver	Ayers, Paul
212	Hayden Jordan, Taylor Overton, Jonathan Yoder	Biosystems Engr/Soil Science	Calf Bottle Monitoring System	Wilkerson, John

213	Benjamin Sisco, Robert Warden, Ethan Messimore	Biosystems Engr/Soil Science	Passive Soil Water Vapor Extraction Design for Road Subgrades	Yoder, Daniel
214	Taylor Adams	Chemical and Biomolecular Engr	Furfural Degredation by Persulfate Under Fracking Conditions	Carter, Kim
215	Evan Boone	Chemical and Biomolecular Engr	Incorporating Bioinspired Building Blocks into Conjugated Polymers for Organic Electronic Applications	Kilbey, Michael
216	Alexandra Galaska	Chemical and Biomolecular Engr	Effects of Epoxy 385 When Combined with Magnesium Hydroxide and Melamine Polyphosphate for Industrial Purposes	Guo, Zhanhu
217	Madeline Hayes	Chemical and Biomolecular Engr	Arachnoid Cyst Surgical Treatment: A Meta Analysis of the Current Literature	TerMaath, Stephanie
218	Samira Ibrahim	Chemical and Biomolecular Engr	Robust and Cost Efficient Method for Fabrication of Tungsten Tips for Scanning Tunneling Microscopy	Mukherjee, Dibyendu
219	Christie Lau	Chemical and Biomolecular Engr	Synthesis and Characterization of Temperature- and Light- Responsive Molecular Brushes	Zhao, Bin
220	Leah Parks	Chemical and Biomolecular Engr	Sortase Enzyme Mutant Production Optimization and Purification	Boder, Eric
221	Brandon Wilbanks	Chemical and Biomolecular Engr	Biofuel Production in Modular Escherichia coli	Trinh, Cong
222	David Barnes	Chemical Engineering	Sortase Mediated Ligation of Protein	Frymier, Paul
223	Michelle Lehmann	Chemical Engineering	Recovery of Phenolic Compounds from a Non-Structural Fraction of Switchgrass.	Counce, Robert
224	Zachariah Vicars	Chemical Engineering	Mesosopic Aggregation and Charge Transport in Ionic Liquids	Sangoro, Joshua
225	Ashlyn Jones	Chemistry	Synthesis and characterization of 1,1,1,5,5,5-hexafluoroacetyl- acetate compounds for rapid thermochromatographic separations of light nuclear fission products	Hall, Howard
226	Kristina King	Civil and Environmental Engr	Best Practices and Policies for Managing Campus Parking Land- use	Cherry, Chris

227	Austin Martin, Joseph Neuzil, Tyler Short, James Lawson, Ryan Signorin, Luke Turner, Bradley Kreceman, Jacob Lampley, Jeffrey Mason, Brian Peek, Matthew McClain	Civil and Environmental Engr	Athens Eureka Trailhead Development and Construction	Retherford, Jenny
228	Liam Weaver, Brian Walker, Bailee Young, Marquise Webb, Trenton Smith, Mark Nichols	Civil and Environmental Engr	Sidewalk Infrastructure Improvement Analysis for Calhoun, TN With the University of Tennessee Smart Communities Initiative	Retherford, Jenny
229	Robert Forster, Andrew Tilton, Brandy Manka, Brandy Manka, David Layhew, John Keyser, Melanie Smith	Civil Engineering	Design and Development of the Denso Eco Park Educational Ecostructures Initiative	Retherford, Jenny
230	Aaron Sheppard, Matthew McCarter, Colin Szklarski, Trevor Cloar, Colten Stephens	Civil Engineering	Engineering Appalachia: A New Bridge at Red Bird Mission	Retherford, Jenny
231	Maeve Lawniczak	Electrical and Computer Engr	Implantable Silicon/Cell Hybrid Biochips for Continuous and Autonomous Surveillance of Health Status	Islam, Syed
232	C. Connor, Micah Maze, William Brummette, Zengyi Peng	Electrical Engr & Computer Sci	Pedagogical C++ Interpreter and Visualizer	Dean, Mark
233	Natalie White	Electrical Engr & Computer Sci	LabVIEW Tools for High Voltage Power Supply Testing and Characterization	Ericson, Milton
234	Christopher Muir	Industrial Engineering	Neighborhood-based Reductions and Cuts for Signed Graphs	Ostrowski, Jim
235	Aliza Dixon	Material Science/ Engineering	"Synthesis of Lithium Gallium Oxide Pellets with Different Dopants to Investigate Scintillation Properties"	Melcher, Chuck
236	William Hoskins	Material Science/ Engineering	Effect of Heat Treatment and Chemical Composition on the High Temperature Hydrogen Attack (HTHA) Resistance of C-½ Mo Steels	Lundin, Carl
237	Jesse Johnson, Luis Stand Stracuzzi	Material Science/ Engineering	Achieving Superior Energy Resolution by Investigating Hybridization of High Performance Scintillators	Melcher, Chuck

238	Alyssa Lindsey	Material Science/ Engineering	The Effects of Differing Dopants on the Hygroscopicity Of Cesium Iodide Crystals	Zhuravleva, Mariya
239	Cody Pratt	Material Science/ Engineering	Point Defect Analysis in MoSe ₂ Derived by Mechanical Exfoliation and Chemical Vapor Deposition	Duscher, Gerd
240	Joshua Seylar	Material Science/ Engineering	Compositional analysis of polymer blends using differential scan-ning calorimetry and thermogravimetric analysis	Bhat, Gajanan
241	Jake Childs, Kaitlin Oliver Butler, Andrew Orekhov	Mech/ Aerospace/ Biomed Engr	A Rigid Mechanism with Uniform, Variable Curvature	Rucker, Daniel
242	Mikayla Ehrsam	Mech/ Aerospace/ Biomed Engr	Investigation of Thin Film Silver Deposition inside Hollow Polymer Cylinders	Kalyanaraman, Ramakrishnan
243	Jenny Patel, Madeline Standbridge	Mech/ Aerospace/ Biomed Engr	A Comparative Study of Cellular Calcification within the Male and Female Aortic Valves	Ferdous, Zannatul
244	Kangmin Cheng	Mechanical and Aerospace Engr	Synthesis of PtCuCo Ternary Alloy Using Laser Ablation Synthesis in Solution-Galvanic Replacement Reaction (LASIS-GRR)	Mukherjee, Dibyendu
245	Thomas Badon	Nuclear Engineering	Updating Soil Libraries for Nuclear Detonations in Varying Environments	Hall, Howard
246	Duncan Brocklehurst	Nuclear Engineering	Conductivity, Radiolytic Effects, and Diffusion Measurements of Interdicted Time- dependent Metallic Signatures	Auxier II, John
247	Michael Cooper, Shawn Tyler, Matthew Buttrey, Jason Rizk, Kendall Minor	Nuclear Engineering	Evaluation of Ultrasonic Flow Meters for Integral Pressurized Water Reactors	Upadhyaya, Belle
248	James Ghawaly	Nuclear Engineering	Development of a Radioisotope Identification Algorithm for Gamma Spectra with a Low Energy Signal-to-noise Ratio	Hall, Howard
249	Austin Mullen	Nuclear Engineering	Development of Separation Methodology for Post-Detonation Fission Products	Hall, Howard
250	Colton Oldham	Nuclear Engineering	Development of GC-ICP-TOF-MS for Nuclear Forensic Applications	Hall, Howard
251	Nitant Patel	Nuclear Engineering	Positron Emission Particle Tracking in Pulsatile Flow	Ruggles, Arthur
252	Skyler Devine	Industrial Engineering	Deep Learning for Sleep Assessment	Shylo, Oleg & Khojandi, Anahita

Celebration of Excellence Competition

The annual School of Music Celebration of Excellence Competition is open to all undergraduate instrumentalists, vocalists, and small ensembles.

Place	Name/Instrument	Piece Performed	Faculty Mentor
1st	Rebecca Percy Flute	<i>Fantaisie</i> (Georges Hűe)	Binder, Dr. Shelley
2nd	Paul Royse Piano	<i>Synoptic Connections</i> (Paul Royse)	Adams, Fay
3rd	Jared Hopland, Kevin O'Bryan, Brianna Stock Marimba	<i>Home by Sundown</i> (Ralph Hicks)	Bliss, Dr. Andrew
	Benjamin Parton Violin	<i>Scherzo Tarantella</i> (Henri Wieniawski)	Hristoy, Miroslay
	Rebekah Maxim Piano	<i>Rustle of Spring</i> (Christian Sinding)	Adams, Fay
	Joseph Meinweiser Horn	<i>En Foret</i> (Eugene Bozza)	Johnson, Katie
	Ryan Colbert Soprano	<i>Poor Wand'ring One</i> from Pirates of Penzance (Arthur Sullivan)	DiSimone, Lorraine
	Lee Brandt Tenor	<i>O del mio amato ben</i> (Stefano Donaudy)	Skoog, Andrew
	Hannah Brown Soprano	<i>Let My Song Fill Your Heart</i> (Ernest Charles)	Nall, Cecily
	Clara Johnson Cello	<i>Cello Sonata No. 3, Opus 69</i> (Ludwig van Beethoven)	Baldwin, Wesley
	Tori Sellers Nathan Bowman Piano	<i>Etude No. 6 in A minor</i> (Franz Liszt) <i>Fantaisie-Impromptu</i> (Frédéric Chopin)	Northington, David Brunell, David
	Will Hoover Percussion	<i>Ogre Ballet</i> (Casey Cangelosi)	Bliss, Andrew
	Wesley Fowler and Kevin O'Bryan Marimba	<i>2+1</i> (Ivan Trevino)	Bliss, Andrew
	Kate Smith Soprano	<i>Poor Wand'ring One</i> from Pirates of Penzance (Arthur Sullivan)	DiSimone, Lorraine
	Breyon Ewing Tenor	<i>Una furtiva lagrima</i> from L'elisir d'amore (Gaetano Donizetti)	Skoog, Andrew
	Krista Kennedy Piano	<i>L'andalouse sentimentale</i> (Joaquín Turina)	Adams, Fay
	Tyler Hyers Piano	<i>Toccata, Op. 15</i> (Robert Muczynski)	Northington, David
	Howard Perry Clarinet	<i>Sonatina (1981), Mvt. I</i> (Joseph Horowitz)	Chavez, Victor
	Natalie Gregg Flute	<i>Andante et Scherzo</i> (Louis Ganne)	Binder, Shelley
	Zac Morgan Flute	<i>Fantaisie Pastorale Hongroise</i> (Franz Doppler)	Binder, Shelley

Student Art Competition Awards

Begun in 1947 by C. Kermit Ewing, founder of The University of Tennessee School of Art, the annual student exhibition has become one of the oldest competitions in the country and one of the highlights of the Ewing Gallery's exhibition season. This competition has been an outlet for UT's talented students for 69 years, wherein countless works of art of every form and medium have been displayed and applauded by The University and Knoxville community.

Art History

Olivia Crawford
Rebecca Gillogly
Anna Wehrwein

Carrie Compton
Abigail Lucien
Kyra Wu

Katherine Farley
Rachel Vyhukal

Art

Grant Barbour
Daniel Hughes
AJ Masterson
Kathryn Miller
Alex Rudd
Christopher Spurgin
Megan White

Mary Anne Carey
Ashley Layendecker
Erica Mendoza
Natalie Petrosky
Kayla Rumpp
Kelsey Stephenson
Tom Wixo

Cassidy Frye
Elysia Mann
Ed Miller
Jing Qin
Joshua Shorey
Kristen Wasik

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Ben Maxey
Nate Ryman

Heather McNamara
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Students with poster numbers from 1-140 will present and be displayed on Monday, April 11 and Tuesday, April 12. Students with poster numbers from 140-251 will present and be displayed on Wednesday, April 13 and Thursday, April 14.

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