

2018-19 Student SEARCH Grants

Scholarship, Engagement, the Arts, Research, Creativity & Humanities

The Student SEARCH Grants (formerly known as the Provost Student Research Awards) are designed to provide UTC students with a special opportunity to participate in original scholarship with faculty members. The new name reflects UTC's commitment to scholarship across all disciplines and modes of academic inquiry. This program is designed to bolster student success and retention, enrich students' academic preparation through research, and create opportunities that go beyond the scope of ordinary coursework.

Congratulations to our 2018-19 Student SEARCH winners!

STUDENT	FACULTY ADVISOR	DEPARTMENT	PROJECT TITLE	AWARD AMOUNT
GARRETT ALLEN	DR. JENNIFER BOYD	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	EXPLORING THE POTENTIAL FOR A RARE AND COMMON <i>SCUTELLARIA</i> SPECIES TO ACCLIMATE TO CHANGE	\$981
MORGAN ANDREWS	DR. AMYE WARREN	PSYCHOLOGY	PERCEPTIONS OF JUVENILE CONFESSIONS	\$1,000
MICAELA BAILEY, OLIVIA BATCHELOR, KAYLEE GARDNER & SHANNON HENDRIX	DR. ELICIA CRUZ	OCCUPATIONAL THERAPY	EXAMINATION OF THE REVISED GREENHOUSE MINISTRIES OCCUPATIONAL THERAPY GLOBAL LIFE SKILLS ASSESSMENT	\$955
LAUREN BARBER	MELISSA POWELL, M.ED.	HEALTH AND HUMAN PERFORMANCE	COMMUNITY BASED NUTRITION EDUCATION AND COOKING SKILLS PROGRAM	\$1,000
HENSLEY BARNES, ANNA CORNETT, KATHLEEN CRAIG & SALLY LANGAGER	DRS. DAVID LEVINE & SUSAN McDONALD	OCCUPATIONAL & PHYSICAL THERAPY	EFFECTIVENESS OF ADAPTIVE SILVERWARE ON ACTIVE RANGE OF MOTION OF THE HAND IN CLIENTS WITH RHEUMATOID ARTHRITIS	\$475
SARA BEY	DR. TATIANA ALLEN	CHEMISTRY & PHYSICS	TRANSPORT PROPERTIES OF DY-DOPED IRON OXIDE	\$997
TRENT DEASON	DR. HILL CRADDOCK	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	CONSERVATION OF <i>CASTANEA DENTATA</i> IN THE SOUTH	\$1,000
LUCAS DoCARMO	DR. JOHN LEE	CHEMISTRY & PHYSICS	PREPARATION OF ORGANOMETALLIC COBALT (III) COMPLEXES CONTAINING BIDENTATE CHIRAL AMINE LIGANDS AS POTENTIAL TRANSFER HYDROGENATION CATALYSTS	\$600
AMELIA EDWARDS	DR. JILL SHELTON	PSYCHOLOGY	THE EFFECTS OF MOTIVATION AND METACOGNITION ON PROSPECTIVE MEMORY PERFORMANCE	\$1,000
JACOB M. EWALD	DR. TITUS ALBU	CHEMISTRY & PHYSICS	INFLUENCE OF METALS ON PROTEIN MODIFICATIONS INDUCED BY QUINONES	\$1,000

LYDIA FOGO	DR. CHRIS CUNNINGHAM	PSYCHOLOGY	THE BENEFITS AND METHODS OF INCREASING THE PERCEIVED ATTRACTIVENESS OF A WORKPLACE	\$1,000
EVAN M. GILDERNEW	DR. SUNGWO YOUNG	CHEMICAL ENGINEERING	WATER HARVESTING FROM AIR POWERED BY NATURAL SUNLIGHT	\$1,000
KATHRYN GRAEFF	DR. KATE ROGERS	PSYCHOLOGY	PERSPECTIVE-TAKING AND PERCEPTIVE ACCURACY IN FIRST IMPRESSIONS	\$1,000
CULLEN HARRIS ¹	DR. THOMAS WILSON	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	PREVALENCE OF OPHIDIOMYCES OPHIDIICOLA IN EASTERN TENNESSEE SNAKE POPULATIONS: IS THE FUNGUS AMONG US?	\$1,100
BRITTANY HASKELL	DR. SUSAN THUL	NURSING	STANDARDIZED PATIENT FACILITATED SIMULATION IN MENTAL HEALTH FOR NURSE RESIDENTS	\$1,000
MARY JACKSON, CASSIDY FLOWERS, MEGHAN ROBINSON & KAITLYN MCLAUGHLIN	DRS. DAVID LEVINE & SUSAN McDONALD	OCCUPATIONAL THERAPY	ANIMAL ASSISTED THERAPY	\$673
WILLIAM KHOMTCHENKO	DR. BRADLEY HARRIS	CHEMICAL ENGINEERING	USING CELLNET ANALYZER TO OPTIMIZE PRODUCTION OF HYDROGEN PEROXIDE IN E. COLI	\$495
JOHN LAWRENCE	DR. LOREN HAYES	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	INTRASPECIFIC VARIATION IN SOCIAL ORGANIZATION IN RODENTIA, A MAJOR MAMMALIAN ORDER	\$976
KEVIN LEE	DR. TITUS ALBU	CHEMISTRY & PHYSICS	THEORETICAL STUDIES OF NAPHTHOQUINONE REACTIVITY TOWARDS AMINO GROUP	\$900
CAMERON MACKAY	DR. RALPH HOOD	PSYCHOLOGY	CONCEALMENT OF ATHEIST IDENTITY: SCALE CONSTRUCTION AND VALIDATION	\$1,000
HANNAH R. MARGAVIO	DR. SUNGWO YOUNG	CHEMICAL ENGINEERING	HARVESTING THERMAL ENERGY FROM SUNLIGHT	\$1,000
ERIN MAYNARD	DR. AMANDA CLARK	PSYCHOLOGY	COLLEGE STUDENTS KNOWLEDGE AND PERCEPTIONS OF MALINGERING ATTENTION-DEFICIT/HYPERACTIVITY DISORDER	\$900
JOYCE MCPHERSON ²	DR. BETH CRAWFORD	LEARNING AND LEADERSHIP	ACTIVE LEARNING RESEARCH WITH SHAKESPEARE	\$2,000
KAILA ROGERS	DR. AMANDA CLARK	PSYCHOLOGY	HEART RATE VARIABILITY: A PHYSIOLOGICAL INDICATOR OF COGNITIVE CONTROL	\$1,000
JACQUELYN SCOTT	SYBIL BAKER, M.F.A.	ENGLISH	INTO THE FIRE: A PERSONAL LOOK INTO THE IMPACT OF THE 2016 GATLINBURG FIRES	\$1,000

¹ ReSEARCH Dialogues Undergraduate Lightning Round 1st Place Winner

² ReSEARCH Dialogues 3 Minute Thesis 1st Place Winner

THOMAS VORWERK	DR. JILL SHELTON	PSYCHOLOGY	WELL-BEING INTERVENTION FOR ELDERS WITH MILD DEMENTIA AND THEIR CARE-GIVERS	\$1,000
DELL ZIMMERMAN	DRS. SOUBANTIKA PALCHOUDHURY & LAKMALI WEERASENA	CHEMICAL ENGINEERING & MATHEMATICS	CHARACTERIZATION AND BIOLOGICAL RESPONSE OF LEGUMES FERTILIZED WITH ENGINEERED NANOPARTICLES	\$1,000
TOTAL				\$26,052