

2019-20 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 2019-20 Student SEARCH winners!

STUDENT	FACULTY ADVISOR	DEPARTMENT	PROJECT TITLE	AWARD AMOUNT
JORDAN ALLEN	DR. TIMOTHY GAUDIN	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	PREDICTIVE NICHE MODEL FOR NORTHERN RIVER OTTER IN THE LOWER TENNESSEE RIVER WATERSHED	\$911
JOSHUA BARNETT STEPHANIE HAMM PAUL HUNT SARAH PAULETT	DR. CINDY POOLE	OCCUPATIONAL THERAPY	FEASIBILITY OF VIRTUAL REALITY CALM ROOM TECHNOLOGY AS A SENSORY REGULATION MODALITY IN SCHOOLS	\$940.44
LINDSEY BENSON, VICTORIA HALE, MEAGAN OSLUND, ASHLYN ROBINSON	DR. ASHLEY MASON	OCCUPATIONAL THERAPY	EXPLORING SOCIAL EXPERIENCES OF CHILDREN WITH FOOD ALLERGIES THROUGH AN OCCUPATIONAL LENS	\$779
SARA BEY	DR. TATIANA ALLEN	CHEMISTRY & PHYSICS	IRON-DYSPROSIUM OXIDE AMORPHOUS THIN FILMS: INFLUENCE OF THE DYSPROSIUM CONTENT AND THE SUBSTRATE MATERIAL ON TRANSPORT PROPERTIES	\$1000
ALYSSA BLACK, EMILY JOHNSON, BETHANY OWEN, & REBECCA WEBSTER	DR. ELICIA CRUZ	OCCUPATIONAL THERAPY	EXAMINATION OF THE INTERNAL CONSISTENCY OF THE REVISED GLOBAL LIFE SKILLS ASSESSMENT	\$670
MADISON CHAN	DR. ALDO MCLEAN	ENGINEERING	FROM INDUSTRY TO EDUCATION: TRAINING K-12 TEACHERS AND ADMINISTRATORS IN PROCESS IMPROVEMENT PRINCIPLES	\$700
MEREDITH DAVIS	DR. SHELLIE ACOCELLO	HEALTH & HUMAN PERFORMANCE	THE EFFECT OF PHYSICAL FATIGUE ON COGNITIVE FUNCTION AND REACTION TIME IN ATHLETES WITH A HISTORY OF CONCUSSION	\$929.90
CODY DOTSON	DR. MARGARET KOVACH	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	EFFECTS OF VARIATIONS IN MICROSATELLITE REPEAT LENGTH ON GENE EXPRESSION OF CANCER-ASSOCIATED ONCOGENE FGF18	\$1,000

AISHANI EGGENBERGER	DR. AMYE WARREN	PSYCHOLOGY	MIRANDA RIGHTS COMPREHENSION IN JUVENILES AND ADULTS	\$1,000
ISABEL GRAY	DR. DAVID GILES	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	EXPLORING <i>VIBRIO CHOLERAE</i> GENES INVOLVED IN FATTY ACID-MEDIATED BIOFILM FORMATION	\$300
LEANZA GREENLEE	DR. AMYE WARREN	PSYCHOLOGY	MOCK JURORS' PERCEPTIONS OF "I DON'T KNOW" STATEMENTS IN CHILD TESTIMONY	\$1,000
TIFFANY HERRON	DR. REBECCA JONES	ENGLISH	A VOICE FOR THE BRAVE: THE CHATTANOOGAN WOMEN SHOT IN 1980 AND THEIR FIGHT AGAINST RACISM	\$1000
AHMED IBRAHIM	DRS. DANIEL LOVELESS & DONALD RIESING	ENGINEERING	UNLOCKING THE SECRETS OF RF-DNA FINGERPRINTS	\$1000
ADEOLA IJIYODE	DR. AMYE WARREN	PSYCHOLOGY	A RETROSPECTIVE INVESTIGATION OF RACIAL-ETHNIC SOCIALIZATION	\$900
COLTON JONES	DR. J. HILL CRADDOCK	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	ECTOMYCORRHIZAL FUNGI ASSOCIATED WITH AMERICAN CHESTNUT UNDER DIFFERENT GROWING CONDITIONS: A COMPARATIVE GENETIC CHARACTERIZATION	\$1,000
ALLYCIA LEE	DR. STEVEN SYMES	CHEMISTRY & PHYSICS	SCREENING OF ENDOMETRIAL CANCER USING METABOLOMICS	\$1000
JOYCE MCPHERSON	DR. DAVID RAUSCH	LEARNING & LEADERSHIP	A MIXED METHODS STUDY OF THE RELATIONSHIP BETWEEN DIALOGIC INQUIRY AND ENGAGEMENT IN ACTIVE LEARNING SHAKESPEARE EDUCATION	\$1,000
OLIVIA MORRISON	DR. MARGARET KOVACH	BIOLOGY, GEOLOGY & ENVIRONMENTAL SCIENCE	THE EFFECTS OF E-CIGARETTE ALKALOIDS ON GENE EXPRESSION AND CELL VIABILITY IN LUNG CELLS	\$1,000
SOPHIA NEGLIA	DRS. JOHN LEE AND JARED PIENKOS	CHEMISTRY & PHYSICS	THE SYNTHESIS, CHARACTERIZATION, AND REACTIVITY OF A HETEROBIMETALLIC ORGANOMETALLIC COMPLEX WITH A <i>TRANS</i> BIDENTATE LIGAND FOR CATALYTIC CARBON-HYDROGEN BOND ACTIVATION	\$1000
TREVOR PARATORE	DR. JOHN LEE	CHEMISTRY & PHYSICS	COBALT-CATALYZED CARBON-HYDROGEN BOND ACTIVATION REACTIONS: ATTEMPTS TO PREPARE AND ISOLATE A KEY CYCLOMETALLATED INTERMEDIATE	\$1000

ASHWYN SAM	DR. TREVOR ELLIOTT	ENGINEERING	OPTIMIZATION AND ANALYSIS OF MULTISTAGE VARIABLE-MASS ROCKETS USING SERIES SOLUTIONS, NUMERICAL METHODS AND SIMULATIONS	\$1000
BRADEN SANFORD	DR. JILL SHELTON	PSYCHOLOGY	ENVISIONING SUCCESS: THE MODERATING EFFECTS OF EPISODIC FUTURE THINKING ON SUCCESSFUL GOAL PLANNING	\$1,000
SAMANTHA SWECK	DR. GRETCHEN POTTS	CHEMISTRY & PHYSICS	HPLC FOR SEPARATION AND DETECTION OF OGSR EXTRACTED FROM SILICONE PPSD	\$933
MARY SLOAN	DR. DAVID FERRIER	PSYCHOLOGY	PARENTAL INFLUENCE ON EMOTIONAL INTELLIGENCE AND SELF-REGULATORY ABILITIES OF ADULTS RAISED IN SINGLE-FATHER HOUSEHOLDS	\$1,000
CHELSEA WYMER	DR. ALEXANDRA ZELIN	PSYCHOLOGY	INVESTIGATING PERCEPTIONS OF UNCONSCIOUS BIAS / AWARENESS TRAINING: AN APPLIED STUDY	\$1,000
TOTAL				\$23,063.34