National Science Foundation \$1,005,445 PI – Ambareen Siraj Co-PI – Mohammad Rahman Co-PI – Douglas Talbert National Science Foundation \$56,213 PI – Ambareen Siraj Virginia Tech University (via U.S. Navy)
PI – Ambareen Siraj Co-PI – Mohammad Rahman Co-PI – Douglas Talbert National Science Foundation \$56,213 PI – Ambareen Siraj
Co-PI – Mohammad Rahman Co-PI – Douglas Talbert National Science Foundation \$56,213 PI – Ambareen Siraj
\$56,213 PI – Ambareen Siraj
PI – Ambareen Siraj
Virginia Tech University (via U.S. Navy)
\$22,653
PI – Daniel VandenBerge
Private
\$6,650
PI – Daniel Allcott
U.S. Department of Defense
\$261,284
PI – Ambareen Siraj Co-PI – Eric Brown
National Science Foundation
\$99,956
PI – Stephen Canfield Co-PI – Sally Pardue Co-PI – Ismail Fidan Co-PI – Curtis Armstrong

Agency:	Tennessee Department of Health
Activation Amount:	\$207,805
Personnel:	PI – Kevin Liska
Agency:	Tennessee Department of Education
Activation Amount:	(\$45,984.67)
Personnel:	PI – Martha Howard Co-PI – Amy Callender
Agency:	University of Tennessee-Knoxville (via USGS)
Activation Amount:	\$16,459
Personnel:	PI – Alfred Kalyanapu
Agency: Activation Amount: Personnel:	University Auxiliary and Research Services Corp. (via NSF) \$7,526 PI – Stephen Robinson Co-PI – Paula Engelhardt
Agency: Activation Amount: Personnel:	U.S. Department of Energy \$94,430 PI – Jesse Carrick Co-PI – Cory Hawkins
Agency:	Department of Energy
Activation Amount:	\$4,260
Personnel:	PI – Daniel VandenBerge

Agency:	National Science Foundation
Activation Amount:	\$46,000
Personnel:	PI – Alice Camuti
Agency:	Motlow State Community College (via NSF)
Activation Amount:	\$62,690
Personnel:	PI – Ismail Fidan Co-PI – Yunbo Zhang
Agency:	National Science Foundation
Activation Amount:	\$278,234
Personnel:	PI – Ismail Fidan
Agency:	Purdue University (via NSF)
Activation Amount:	\$44,804
Personnel:	PI – Ismail Fidan
Agency:	Missouri Department of Conservation
Activation Amount:	\$30,742
Personnel:	PI – Amanda Rosenberger
Agency:	U.S. Department of Agriculture
Activation Amount:	\$10,000
Personnel:	PI – Justin Murdock

Agency: Activation Amount: Personnel:	Tennessee Arts Commission \$5,600 PI – Gail Gentry Co-PI – Michael Dyer
Agency:	Texas A&M University (via Qatar National Research Fund QNRF)
Activation Amount:	\$28,645.20
Personnel:	PI – Mohamed Mahmoud
Agency:	University of Tennessee (via USDA)
Activation Amount:	\$54,504
Personnel:	PI – Alfred Kalyanapu
Agency: Activation Amount: Personnel:	Oak Ridge National Laboratory \$74,000 PI – Alfred Kalyanapu Co-PI – Sheikh Ghafoor
Agency:	Tennessee Department of Education
Activation Amount:	\$9,120
Personnel:	PI – Martha Howard