



Eastern Kentucky University

**Division of Sponsored Programs
Annual Report**

Fiscal Year 2023



STAFF

GUS BENSON
Director

TIFFANY HAMBLIN
Associate Director

HEATHER KATES
Grants Compliance Specialist

LISA ROYALTY
Research Compliance Coordinator

KRISTA WHITAKER
Proposal Development Specialist



MISSION

The mission of the Division of Sponsored Programs is to provide support for faculty and staff in the pursuit of external funding while assuring compliance with applicable regulations.

Sponsored Programs provides technical and compliance assistance in the following areas: identifying potential funding sources; developing proposals and budgets; facilitating compliance with federal, state, sponsoring agency, and University regulations; completing electronic applications; submitting proposals to sponsoring agencies; negotiating contracts and other award agreements; accepting award documents; administering post-award non-accounting issues, including subawards, award modifications, no-cost extensions, and budget revisions; administering the Institutional Review Board for the protection of human research subjects; administering the Institutional Animal Care and Use Committee; and administering internally-funded grant programs.

FY 2023 by the Numbers



\$26.7

million in funding
on new awards



69

new awards



97

proposals
submitted



73

project directors
on new awards



27

first-time project
directors



93

proposal
submitters



186

human subjects
research protocols



4

animal use
protocols



35

first-time proposal
submitters



9

university-funded
scholarship grant
awards

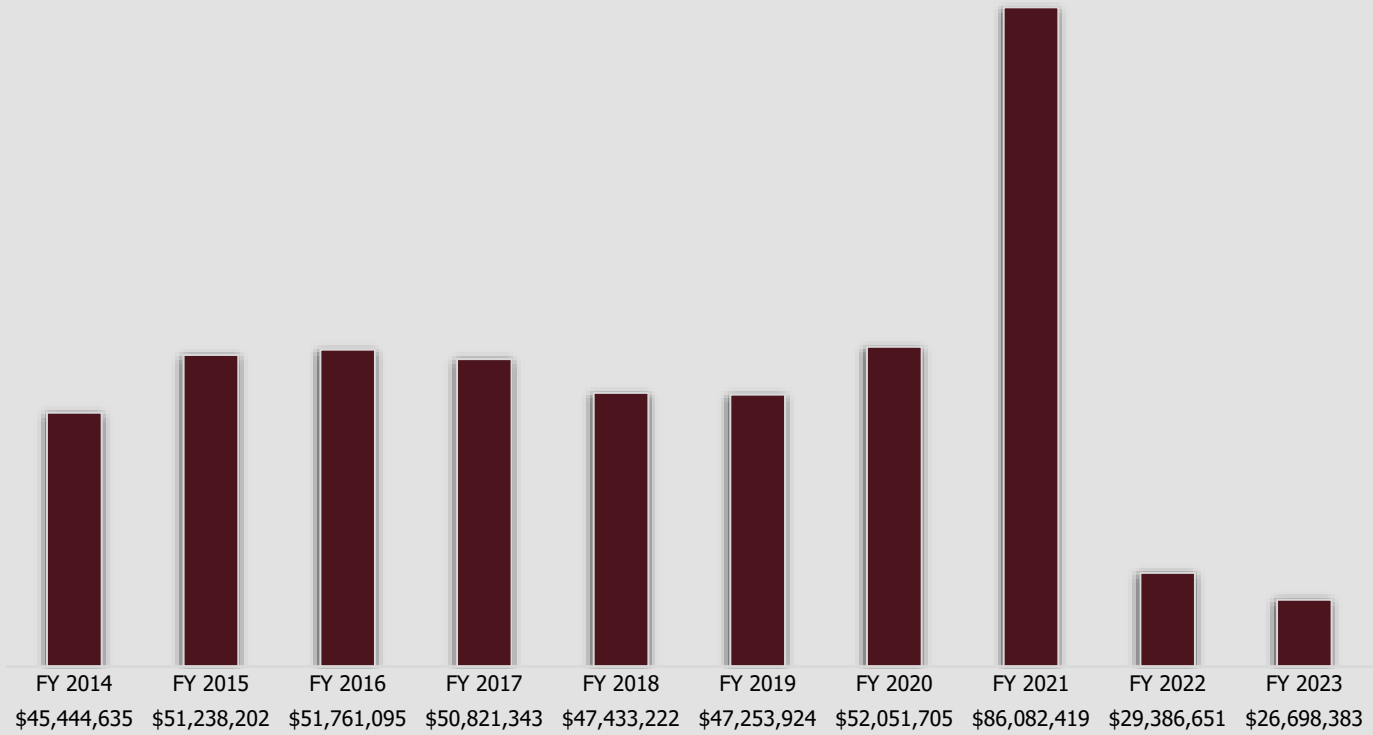
EKU

SPONSORED PROGRAMS

Historical Comparison of Funding and Awards

Sponsored project funding on new awards totaled \$26,698,383¹ for the 2023 fiscal year. There were 149 active sponsored project awards during the fiscal year and 69 new awards. The chart below illustrates the funding trend over the last ten years.

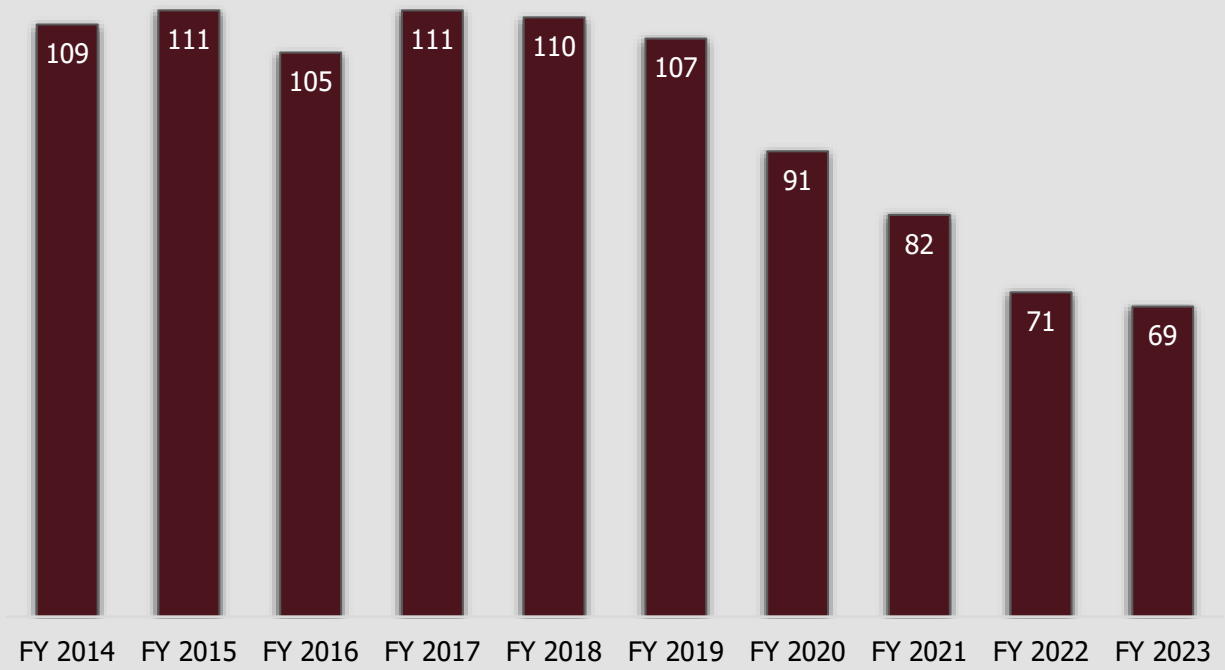
Total Funding by Year



¹ The dollar amounts included in this report reflect new awards received with start dates that fall between July 1, 2022 and June 30, 2023 and may not reflect additional funding awarded on awards with original start dates prior to July 1, 2022.

² FY 2021 funding includes more than \$50 million in COVID-related aid.

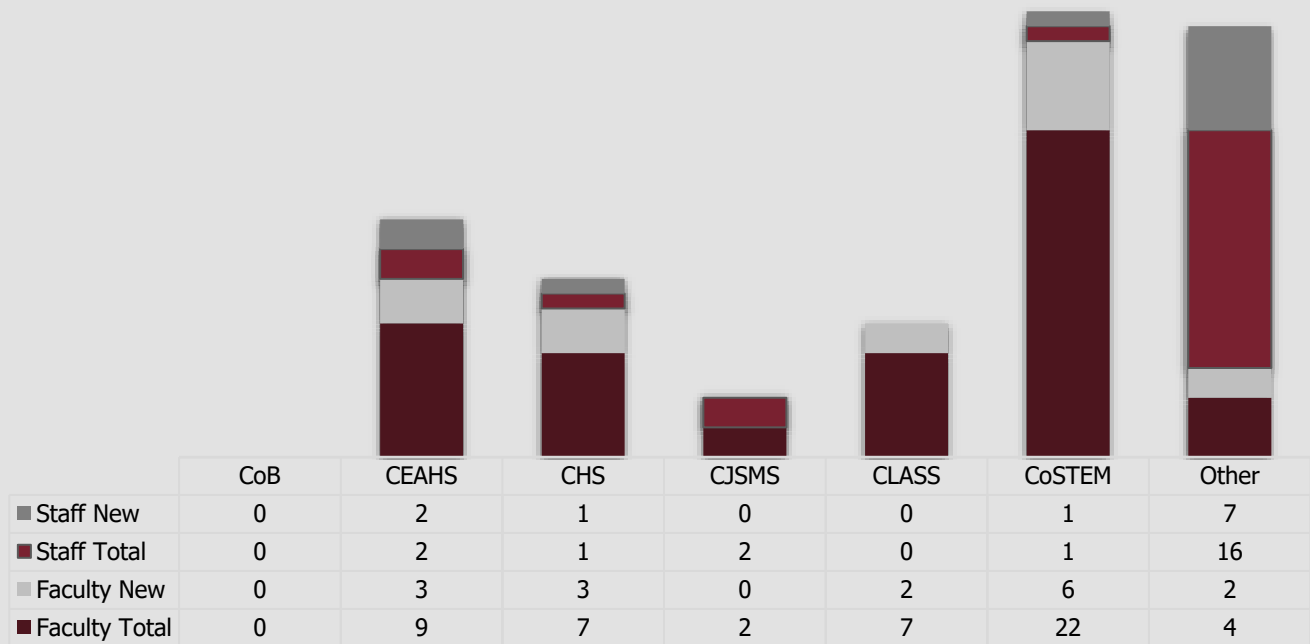
Number of Awards by Year



Project Directors on New Awards

Fifty-one (51) faculty and 22 staff served as project directors or co-project directors on 69 separate new awards that began during the 2023 fiscal year. Sixteen (16) faculty and 11 staff served as first-time project directors or co-project directors. The chart below illustrates the number of faculty and staff project directors and co-project directors on new awards by college.

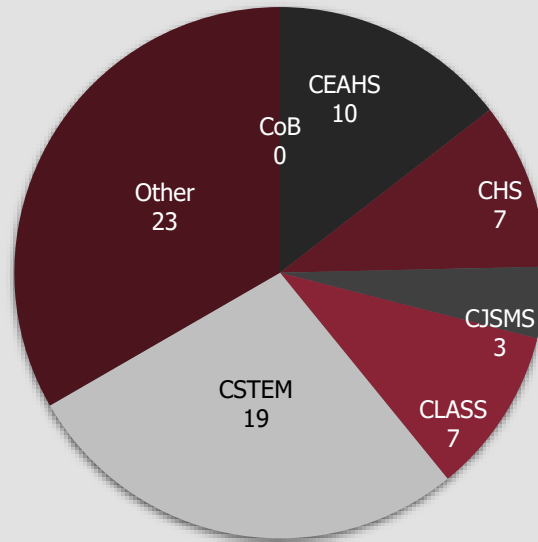
Project Directors on New Awards



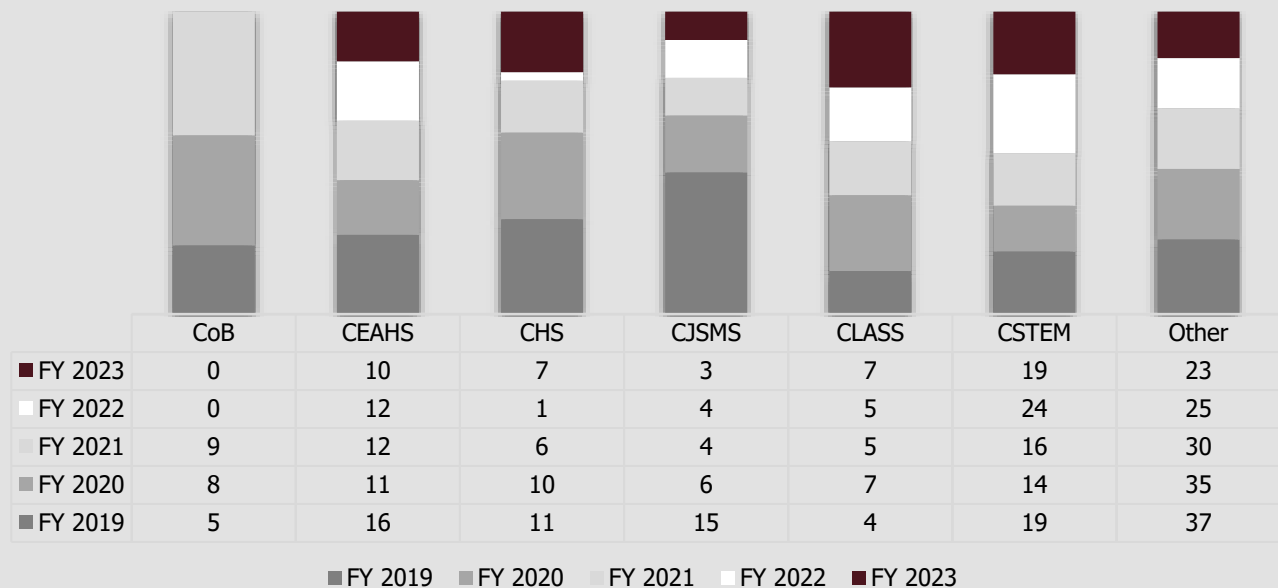
Awards by College

The University received 69 awards that began in FY 2023. The number of awards for each college is reflected in the graph below with the five-year trend illustrated in the chart that follows.

Awards by College



Awards by College: Five-Year Trend

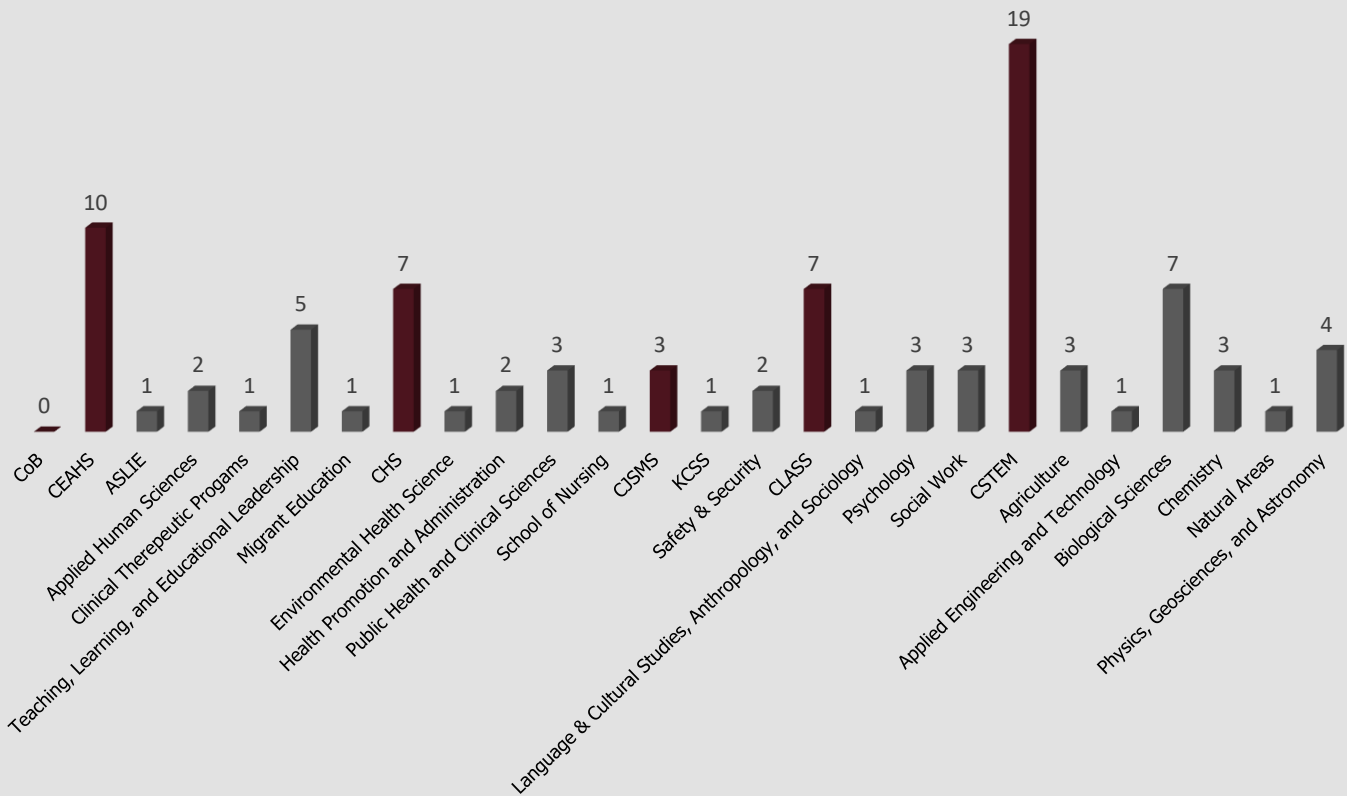


*The reduction in funding in the College of Business resulting from two departments moving to the College of STEM.

Awards by Department

The University received 69 awards that began in FY 2023. The graph below reflects the number of new awards by academic department within each college with the college's total number of new awards in maroon. For projects that include a project director and co-project director(s) from different departments, awards are reported for the project director's department. Units outside the colleges are not included.

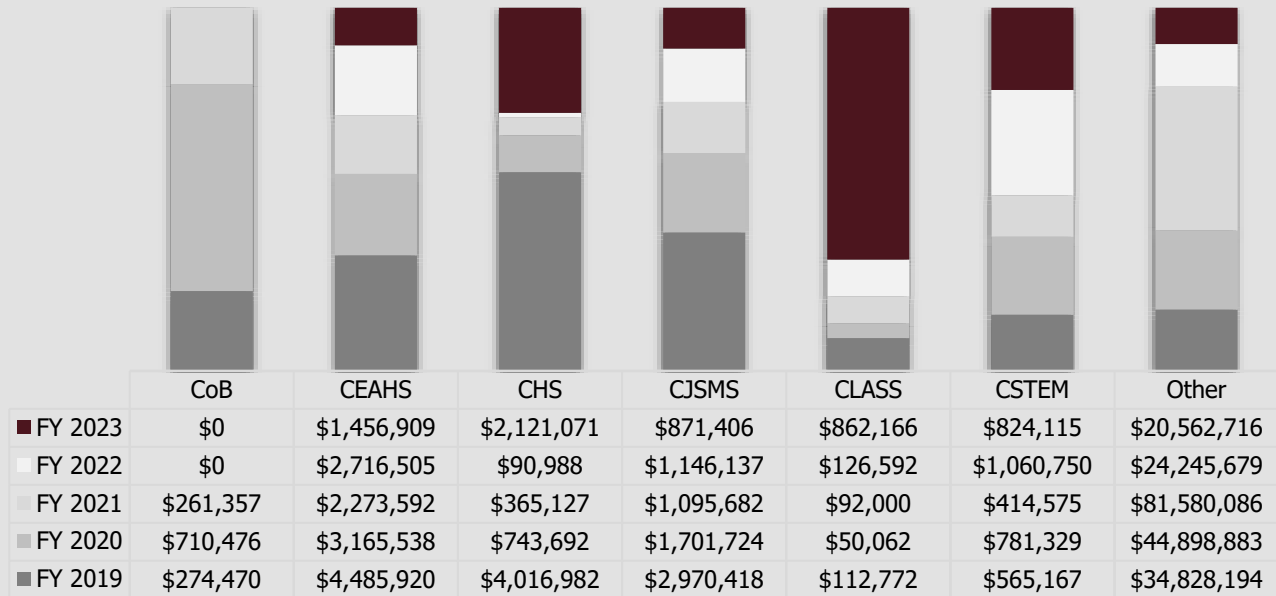
Number of Awards by Department



Funding by College

The chart below reflects the total amount of funding by college for the past five fiscal years.

Funding by College: Five-Year Trend

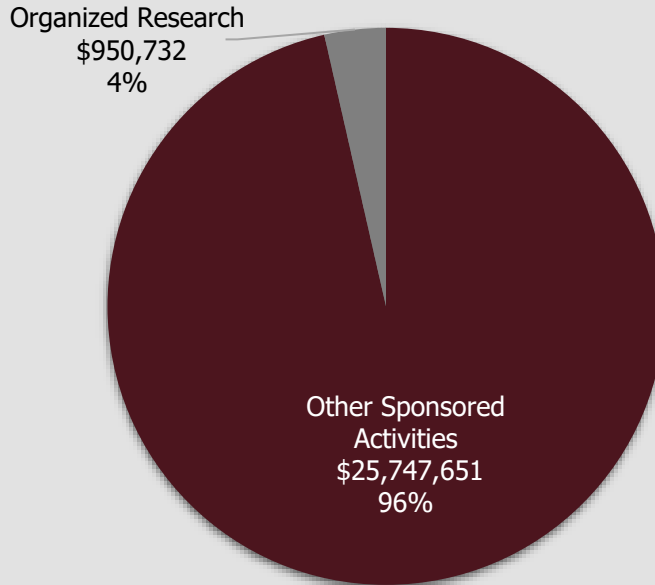


*The decrease in CoB funding resulted from the transition of two departments to CSTEM.

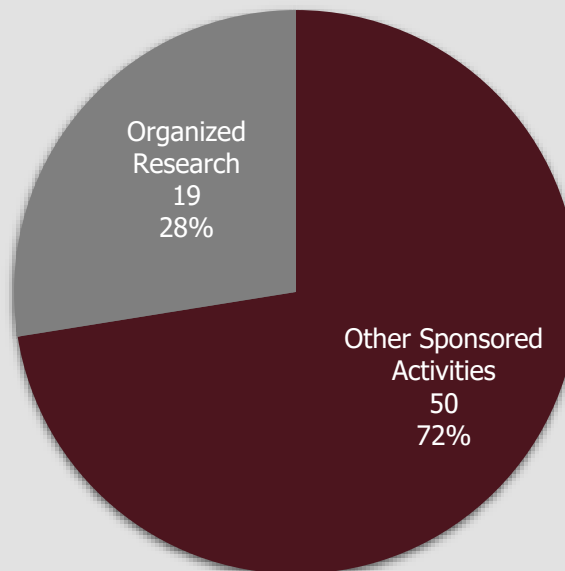
Funding and Awards by Purpose

A total of \$950,732 was secured through 19 awards for organized research. The remaining 50 awards provided \$25,747,651 in funding for other sponsored activities, including student services, training, instruction, and public service. The following graphs illustrate the funding amount and number of awards by purpose.

Funding by Purpose



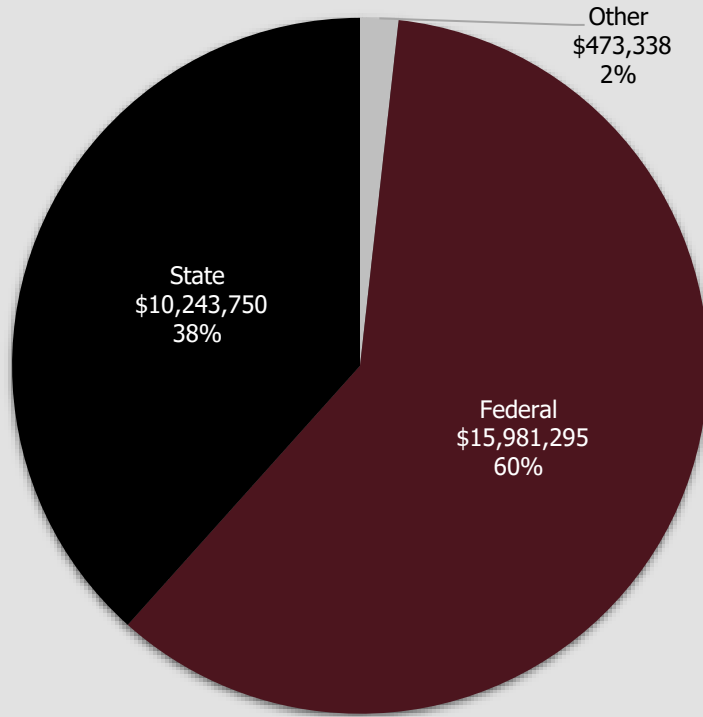
Number of Awards by Purpose



Funding by Source of Funds

Federal funds awarded totaled \$15,981,295, which represents 60% of the total amount awarded to ECU during the 2023 fiscal year. The Federal funding total includes funding awarded directly to the University from Federal agencies as well as Federal funding passed through the State of Kentucky, awarded through subawards from collaborating universities, and granted through other pass-through entities. State-funded awards represent 38% of the total funding for fiscal year 2023 at \$10,243,750. The remaining \$473,338 (2%) was awarded by local and private sponsoring agencies. The graph below illustrates the amount of funding awarded by source for FY 2023.

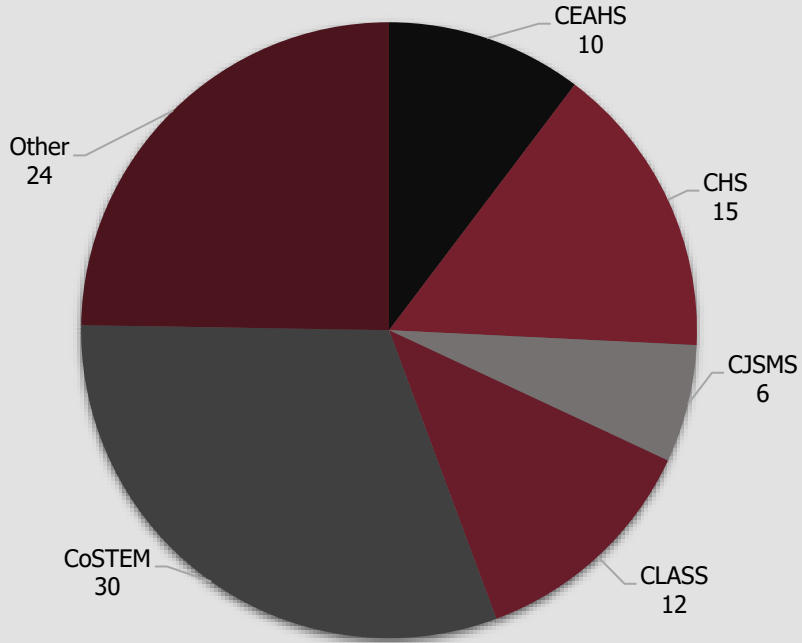
Funding by Source



Proposal Submissions

During the 2023 fiscal year, a total of 97 separate proposals were submitted by EKU faculty and staff. The following graph shows the number of proposals submitted by college. For projects that include a project director and co-project director(s) from different colleges, proposals are reported for the project director's college.

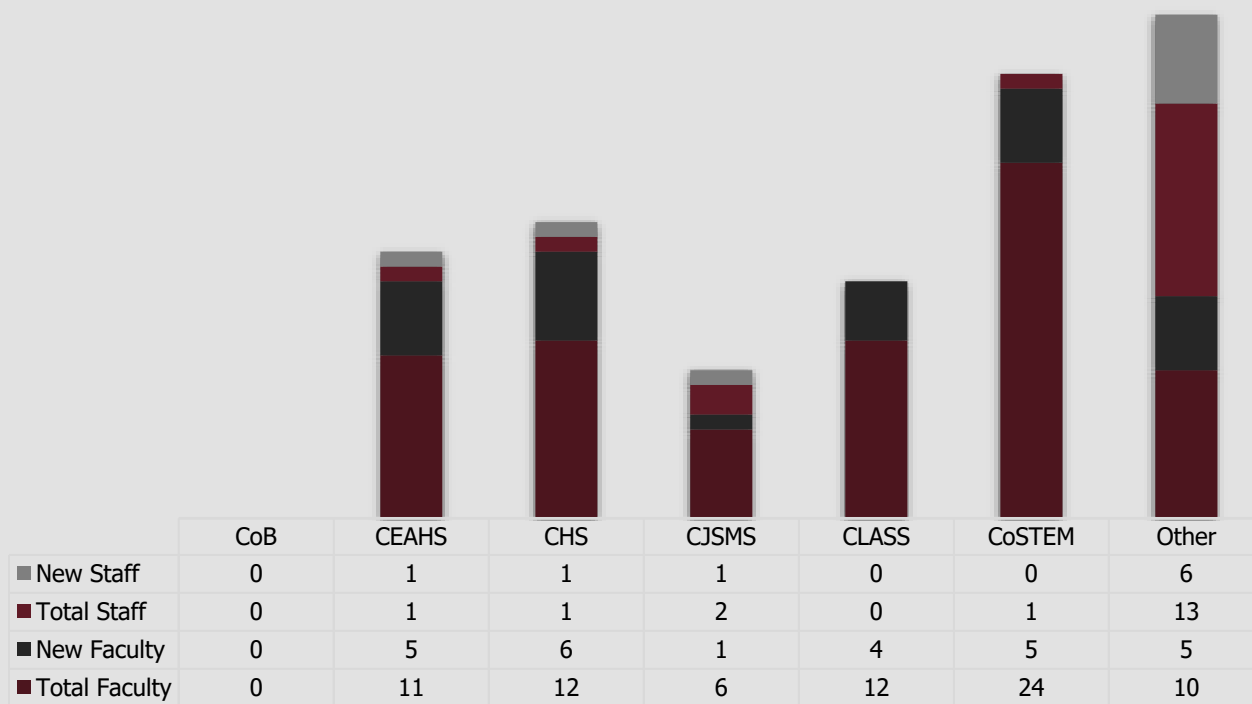
Proposal Submissions by College



Faculty and Staff Submitting Proposals

A total of 93 individuals (75 faculty and 18 staff) submitted proposals in FY 2023.² Of these, 35 (26 faculty and 9 staff) were first-time proposal submitters. The chart below illustrates the number of individuals submitting proposals during FY 2023 by college.

Faculty and Staff Submitting Proposals

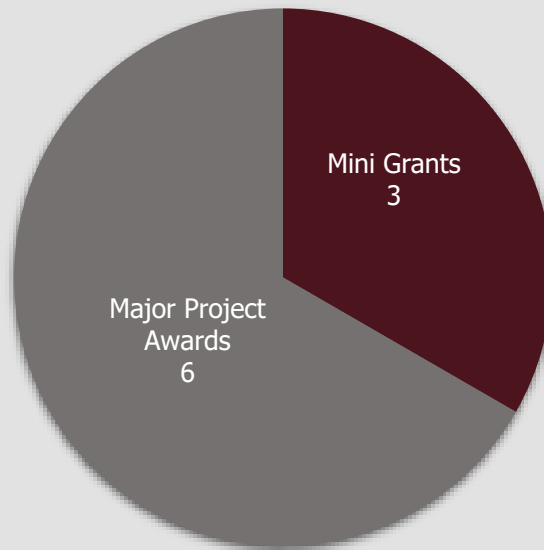


² Counts include both project directors and co-project directors on proposals submitted.

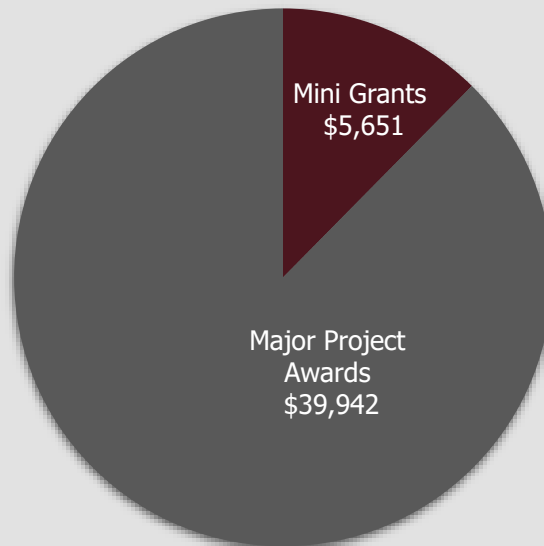
University-Funded Scholarship Grants

During the 2023 fiscal year, Sponsored Programs processed 18 applications for University-Funded Scholarship (UFS) grants. For the fall and spring competitions, there were 10 mini grant applications and eight (8) major project grant applications submitted. Following the competitive peer review process, funding was awarded for six (6) major project grants totaling \$39,942 and three (3) mini grants totaling \$5,651. A total of \$45,593 was awarded to support faculty scholarship in FY 2023. The graphs below reflect the number of grants and amount of funding awarded by project type.

Number of UFS Awards by Type



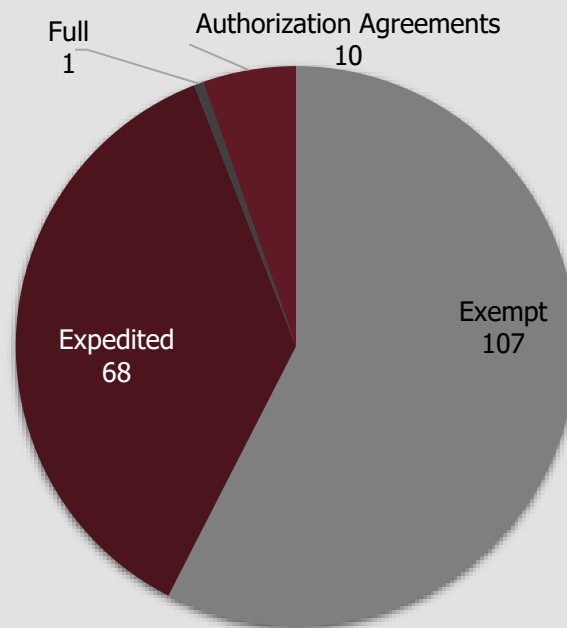
Amount of UFS Awards by Type



Human Subjects Research Compliance

The Institutional Review Board (IRB) for the protection of human research subjects is responsible for reviewing all research activities involving human subjects conducted by ECU faculty, staff, or students and is administered through Sponsored Programs. During the 2023 fiscal year, 186 research protocols were reviewed and approved by the IRB. Of these protocols, 107 were classified as exempt from further review under the federal Office of Human Research Protections (OHRP) regulations. Sixty-eight (68) protocols were processed through the expedited review process, and one protocol was approved after a full convened meeting of the IRB. Ten (10) studies were approved through authorization agreements with other university or hospital IRBs. The graph below illustrates the number of IRB-approved studies by review type.

Human Subjects Research Protocols



Animal Care and Use Compliance

The mission of the Institutional Animal Care and Use Committee (IACUC) is to promote and safeguard activities within the ECU academic community that involve the use of vertebrate animals for research or instructional purposes. The IACUC review and compliance processes are administered through Sponsored Programs. Four protocols were processed and approved by the IACUC during the 2023 fiscal year.

Funding Awards Recognition



Externally-Funded Sponsored Project Awards

Akers, Jon (Center for School Safety). Kentucky Center for School Safety. Kentucky Department of Education. \$575,037.

Anderson, Sierrah (Retention and Graduation). ECU NOVA Student Support Services. U.S. Department of Education. \$401,815.

Bane, Maria (Clinical Therapeutic Programs). American Speech-Language Pathology Association: Advancing Academic Research Careers. American Speech-Language Pathology Association. \$5,000.

Barger, Crystal (Training Resource Center). Medicaid Waiver Management Application. Kentucky Cabinet for Health and Family Services. \$28,218.

Barger, Crystal (Training Resource Center). Serve Kentucky Training Services. Kentucky Cabinet for Health and Family Services. \$118,559.

Bentley, Brooke (School of Nursing). ECU Clinical Skills Laboratory & Simulation Center Project Funding Request. Kentucky Council on Postsecondary Education. \$634,500.

Bhandari, Michelyn (Health Promotion & Administration). Public Health Scholarship Program. University of Kentucky. \$160,854.

Bhandari, Michelyn (Health Promotion & Administration). Workforce Development Educational Assistance Program. Kentucky Department of Public Health. \$971,000.

Black, Pam (Social Work). Geriatric Workforce Enhancement Grant. University of Louisville. \$4,758.

Blakely, April and **Jansky, Timothy** (Teaching, Learning, and Educational Leadership). CPE/EKU Read to Achieve Teacher Institute. Kentucky Council on Postsecondary Education. \$44,913.

Botts, Theresa (Psychology). Southeast Center for Agricultural Health and Injury Prevention-Agricultural Community Mental Health. University of Kentucky. \$17,815.

Braccia, Amy (Biological Sciences). Macroinvertebrates of Jennings's Branch: a pre-restoration assessment. United States Fish and Wildlife Service. \$2,837.

Branscum, Holly (Military and Veterans Affairs). Veterans Upward Bound Program. U.S. Department of Education. \$287,537.

Brown, Gary and **Marion, Jason** (Environmental Health Science). Central Appalachian Regional Education Research Center: MPH-Industrial Hygiene Core. University of Kentucky. \$134,802.

Bundy, Myra Beth (Psychology) and **O'Brien, Shirley** (Occupational Science and Occupational Therapy). Eastern Kentucky University Developmental Disabilities Clinic Autism Social Skills and Coping Therapy Groups. WHAS Crusade for Children. \$4,000.

Bundy, Myra Beth (Psychology). Kentucky Leadership Education in Neurodevelopmental and other Related Disabilities. University of Kentucky. \$29,327.

Bustle, Cheyanne and **Budano, Christopher** (Model Lab School). Social/Emotional Learning Space. Bluegrass Realtors. \$500.

Calie, Patrick (Biological Sciences). Supplemental Funding through UK - Dimensions US-China: Collaborative Research: Impacts of heritable plant-fungus symbiosis on phylogenetic, genetic and functional diversity. University of Kentucky. \$28,302.

Cohen, Adam (Athletics). Community Hub Grant. United States Tennis Association. 8000.

Cormier, Lindsay (Biological Sciences), **Ndinguri, Margaret** (Chemistry), and **Middleton, Lisa** (Biological Sciences). KYNETIC Round 4 Funding: Novel Compounds for Diagnosing, Treating, and Monitoring Triple Negative Breast Cancer. University of Kentucky. \$40,625.

Cornelius, Susan (Workforce Development & Community Engagement). 21st Century Community Learning Centers. Kentucky Department of Education. \$191,831.

Crawford, Rebecca (Applied Human Sciences). Tuition Agreement for Workforce Opportunity for Rural Communities Grant. Save the Children. \$352,960.

Crowe, Vicki (Applied Human Sciences). ARPA Child Care Stabilization Grant. Kentucky Cabinet for Health and Family Services. \$35,824.

Davis, Heather (Student Success), **Ballard, Michael** (College of Health Sciences), and **Woolery, Jamie** (College of Health Sciences). 2023 CPE Summer Bridge Grant. Kentucky Council on Postsecondary Education. \$0.

Dodd, Luke (Biological Sciences). Surveillance of bark-mimic roosts for Indiana bats at Veterans Memorial Wildlife Management Area (2023). Kentucky Natural Lands Trust. \$8,187.

Droliia, Rishi (Biological Sciences). Start-Up Research Funding: Targeting & Crossing of the Blood-Brain Barrier (BBB) via Listeria adhesion Protein in Human-Relevant-Models. University of Louisville. \$21,300.

Dunlap, Scotty (Safety and Security). Central Appalachian Regional Education Research Center: Occupational Safety Core. University of Kentucky. \$130,215.

Fry, Jason (Physics, Geosciences & Astronomy). Data Management for the BL3 Experiment. Tulane University. \$13,822.

Fry, Jason (Physics, Geosciences & Astronomy). Development of FPGA Systems on Chip for Data Acquisition. Kentucky NSF EPSCoR. \$39,192.

Fry, Jason (Physics, Geosciences, and Astronomy). Precision Measurements of Neutron Beta Decay to Test Fundamental Symmetries. National Science Foundation. \$211,202.

Grempe, Michelle (Teaching, Learning, and Educational Leadership). Scholarships for Special Education Teacher Certification. WHAS Crusade for Children. \$19,600.

Grempe, Michelle and **Park, Jiyeon** (Teaching, Learning, and Educational Leadership). Assistive Technology Project. WHAS Crusade for Children. \$12,000.

Jarvis, Thomas (Physics, Geosciences & Astronomy). Laser micromachining, spectroscopy, and processing for advanced manufacturing. Kentucky NSF EPSCoR. \$39,705.

Jenkins, Judith (Center for STEM Excellence). Data-enabled Discovery and Design to Transform Liquid-based Energy Storage (D3TaLES). University of Kentucky. \$31,567.

Jenkins, Judith (Center for STEM Excellence). Equipping the ECU Center for STEM Excellence. U.S. Department of Education. \$505,000.

Jenkins, Judith (Center for STEM Excellence). Kentucky Advanced Partnership for Enhanced Robotics and Structures (KAMPERS). Kentucky NSF EPSCoR. \$59,251.

Knoll, Rachelanne (Office of Sustainability). ECU Composting Program. Kentucky Division of Waste Management. \$159,878.

Korson, Stacey (Teaching, Learning, and Educational Leadership). KRP 2023-24 Cadre 25. University of Kentucky. \$22,900.

Loftis, Rachel (Diversity, Equity, and Inclusion). ECU Equity Audit Research Project-Student Basic Needs. Council on Post-Secondary Education. \$5,000.

Mason, Nicola (Teaching, Learning, and Educational Leadership), **Carpenter, Russell** (Provost's Office), **Foster, Chad** (Safety and Security), and **Wentzel, Starr** (First-Year Courses and Learning Communities). Kentucky Graduate Profile Academy. Kentucky Council on Postsecondary Education. \$12,500.

McDermott, Michael (Agriculture). Perkins Professional Development for Teachers 2022-23. Kentucky Department of Education. \$4,500.

Moore, Katie (American Sign Language and Interpreter Education). Interpreter Training Program. Kentucky Department of Education. \$361,843.

Moreland, Robyn (Retention and Graduation). Center for Student Parents - Post Secondary Program - FY 2023. Cabinet for Health and Family Services. \$461,984.

Pace, Robert (Biological Sciences). OKNP Herbarium Specimen Processing and Biological Data Entry. Office of Kentucky Nature Preserves. \$3,441.

Parker, Jill (Training Resource Center). Training Resource Center Training Services for Kentucky Cabinet for Health and Family Services. Kentucky Cabinet for Health and Family Services. \$16,616,306.

Perkins, Beatriz (Migrant Education). Southern KY Migrant Education Program Regional Center. Kentucky Department of Education. \$589,369.

Peters, Valerie (Biological Sciences). The impact of global change on pollinators and pollination services. Earthwatch. \$54,072.

Poffenberger, Abbey (Language & Cultural Studies, Anthropology, and Sociology). Innovative Scholarship Grant Program. Kentucky Higher Education Assistance Authority. \$743,000.

Prichard, Christopher (Retention and Graduation). Educational Talent Search Program. U.S. Department of Education. \$424,384.

Prichard, Christopher (Retention and Graduation). Summer Food Service Program. Kentucky Department of Education. \$7,176.

Prichard, Christopher (Retention and Graduation). Upward Bound Program. U.S. Department of Education. \$627,410.

Ream, Douglas (Campus Recreation). ECU Collegiate Archery Program Grant. USA Archery. \$2377.

Reed, Tanea (Chemistry). KY INBRE Lead Faculty Award. University of Louisville. \$20,417.

Richmond, Richard E (Graduate Education and Research). Ronald E. McNair Postbaccalaureate Achievement Program (McNair Scholars Program). U.S. Department of Education. \$261,888.

Richter, Stephen (Center for Outdoor Education and Research), **Brown, David** (Biological Sciences, and **Watson, Kelly** (Physics, Geosciences, and Astronomy). Building Capacity and Implementing Natural Lands Management in Eastern Kentucky. Office of Kentucky Nature Preserves. \$121,642.

Richter, Stephen and **Watson, Kelly** (Natural Areas). Recreation and Natural Resource Management in the Daniel Boone National Forest. USDA Forest Service. \$88,390.

Rowe, Laura (Chemistry). Improving the biostability and target selectivity of antimicrobial peptides and carbon monoxide releasing molecules with unnatural amino acids. University of Louisville. \$53,566.

Saulnier, Stephanie (Social Work). ECU Lumina Equity Audit. Council on Post-Secondary Education. \$7,000.

Savage, Mike (WEKU). WEKU FY 2023 Radio Community Service Grant. Corporation for Public Broadcasting. \$214,392.

Schwartz, Laurel (Public Health and Clinical Sciences). Bingocize CMP Project with the University of Kentucky. University of Kentucky. \$30,030.

Settimi, John (Agriculture), **Hagan, Carla** (Agriculture), and **Richter, Stephen** (Natural Areas). Promoting agroforestry as a sustainable/alternative regenerative food production option. Kentucky State University. \$21,300.

Sexten, Andrea and **Kenealy, Jessica** (Agriculture). Preparing Agriculture Teachers For Curriculum Development On The Use Of Current Technologies In Animal Sciences. Kentucky Department of Education. \$33,641.

Stevenson, Erin and **Saulnier, Stephanie** (Social Work). SEKY Restorative Justice Project. Volunteers of America. \$56,266.

Struck, Julie (Safety and Security). Kentucky Disaster Readiness and Resiliency Corps (KY READY Corps). Serve Kentucky. \$166,154.

Vorbeck, Jonathan (Public Health and Clinical Sciences). Green River District Health Department - Community Health Assessment. Green River District Health Department. \$14,829.

Vorbeck, Jonathan (Public Health and Clinical Sciences). Strengthening Kentucky's Public Health Infrastructure. Kentucky Department of Public Health. \$175,056.

Wang, Ni (Applied Engineering and Technology). Platform Creation on Robotic End Effector Design and Simulation. Kentucky NSF EPSCoR. \$64,823.

Whittenberg, Matt (Facilities Management & Safety). Summit Street Sidewalks and Lighting. Kentucky Transportation Cabinet. \$28,000.

Wicker, Benjamin (Chemistry). Acquisition of Thermal Analysis Instrumentation. Kentucky NSF EPSCoR. \$74,793.

University-Funded Scholarship Grant Awards

Major Project Awards:

Anyanwu, Ogechi (History, Philosophy, and Religious Studies). Unhealed Wounds: The Nigerian Civil War and the Mbanjo Experience in Southeastern Nigeria, 1967-1970. \$6,964.

Kenealy, Jessica (Agriculture). Off the Beaten Path: A first glance at the feral horses of Appalachia and their intestinal parasites. \$8,000.

Rowe, Laura (Chemistry). Probing Microbial Diversity in Extremophile Environments. \$6,392.

Saulnier, Stephanie and **Stevenson, Erin** (Social Work). Social Connectedness and Interpersonal Skills Pilot Project. \$3,702.

Simpkins, Brian (Safety and Security). Countering Mis-, Dis-, and Malinformation. \$5,850.

Zyzak, Li Li (Chemistry). Improving the Flavor of Plant-Based Hamburgers Through Mechanistic Studies. \$7,426.

Mini-Grant Awards:

Spira, Geela (Occupational Science and Occupational Therapy). Daily life experiences of Tanzanian people with deafness viewed with an occupational justice lens in comparison to the lived experiences of occupational science and occupational therapy students. \$1,928.

Su, Lixun (Marketing). Nurturing Versus Natural Meanings of Colors. \$1,723.

White, John (Physics, Geosciences, and Astronomy). Volcanic History of Mount Locke, MacDonald Observatory (Davis County), Texas. \$2,000.