







September 2023 Academic, Research and Student Success Committee Meeting

Schedule	Wednesday, September 6, 2023 8:30 AM — 8:45 AM CDT
Venue	Maxine A. Smith University Center - Bluff Room (304)
Organizer	Sparkle Burns

Agenda

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1. Call to Order and Opening Remarks

2. Roll Call and Declaration of Quorum

3. Approval of Meeting Minutes for June 14, 2023

For Approval

University of Memphis Board of Trustees
Academic, Research and Student Success Committee Meeting
June 14, 2023
Meeting Minutes

Committee Membership:

Douglas Edwards, Committee Vice Chair
Marissa Clark, Student Trustee, Non-voting Member
Marvin Ellison
Jeff Marchetta
David McKinney
David North
Carol Roberts
Abby Parrill, Interim Provost, Ex-Officio, Non-voting Member
Jasbir Dhaliwal, Vice President for Research, Ex-Officio, Non-voting Member
Karen Weddle-West, Vice President for Student Academic Success, Ex-Officio, Non-voting Member

Agenda Item 1: Call to Order and Opening Remarks

Chair Edwards welcomed the committee and our two new trustees:

- Mr. Rob Carter is the Executive Vice President, FedEx Information Services and Chief Information Officer of FedEx Corporation. He serves as Co-President & Co-CEO of FedEx Services, and is responsible for Sales, Marketing, Information Technology and Customer Service. He also serves as director of New York Life.
- Dr. Jeff Marchetta is our faculty trustee. Jeff is a professor of Mechanical Engineering at the University of Memphis and specializes in the design and analysis of fluid-thermal systems. Dr. Marchetta earned his bachelors, masters, and PhD degrees in Mechanical Engineering at the University of Memphis.

Chair Edwards also recognized and welcomed Dr. Bobby Garrett, our new Dean of the Fogelman College of Business and Economics. Bobby came to us from the University of Louisville, where he served as the Brown & Williamson Professor of Entrepreneurship, associate dean for Faculty Affairs. Chair Edwards called on David North, to chair the ARSS for the meeting. Trustee North called the meeting to order and requested Secretary Murry to call the roll.

Agenda Item 2: Roll Call and Declaration of Quorum

Secretary Melanie Murry called roll and announced the presence of a quorum.

The following trustees were in attendance:

Trustee Edwards
David McKinney
David North
Carol Roberts
Jeff Marchetta

Additional trustees in attendance but not part of this committee:

Trustee Springfield
Trustee Carter

Agenda Item 3: Approval of Meeting Minutes from December 9, 2022 (For Approval)

Chair North asked if there were any questions or discussion regarding the minutes from the September 7th meeting. There were none. Chair North moved that the minutes be approved, and the motion was properly seconded. Secretary Murry called for the roll call vote. Motion carried.

Agenda Item 4: Promotion of Faculty (Presentation)

Chair North recognized Trustee Marchetta. Trustee Marchetta commented that this year we had a total of 96 fixed term faculty who were approved for promotion by the provost and president. That was the highest number of fixed term faculty that we have had promoted at the university and is a result of the changes made to the Faculty Handbook in the past two years. Chair North asked if there were any questions. There were none.

Agenda Item 5: Tenure and Promotion of Faculty (For Approval)

Chair North recognized Trustee Marchetta. Trustee Marchetta commented that this year we had a total of 26 faculty who were recommended for tenure and/or promotion by the provost and president. Chair North asked Dr. Hardgrave or Trustee Marchetta to give a brief overview to the board members regarding the process for tenure and promotion. Trustee Marchetta explained that tenure-track faculty have a six-year probationary period to demonstrate cumulative progression in 3 areas: instruction, research, scholarship, creative activities (depending on the discipline) and service. Tenure-track faculty must demonstrate excellence in instruction, ability to publish in high quality peer reviewed journals, in fine arts, they must demonstrate creative and robust activities in their areas of interest, and service to university, department, profession and community before they would be recommended for tenure.

Trustee Marchetta recommended that the board approve and grant tenure/promotion to the faculty listed. Trustee Marchetta made the motion to grant tenure/promotion to the faculty listed. The motion was properly seconded. There was no discussion. Secretary Murry called for roll call vote. Motion carried.

Agenda Item 6: Tenure Upon Appointment – Dr. Soumitra Bhuyan, Associate Professor, School of Public Health (For Approval)

Trustee Marchetta commented that Dr. Bhuyan, a faculty member will be joining the School of Public Health. She served as an Assistant Professor at the University of Memphis before joining Rutgers where she achieved tenure and holds the rank of Associate Professor. She is well regarded in Public Health and has published numerous quality peer-reviewed journals. She was awarded the “Rising Star Award” from the Health Administration Section at the 141st APHA Annual Meeting in Boston and had a manuscript published in Women’s Health Issues.

Trustee Marchetta recommended that the board approve and grant tenure upon appointment to Dr. Bhuyan as Associate Professor in the School of Public Health. Trustee Marchetta made the motion to grant tenure upon appointment to Dr. Bhuyan and it was properly seconded. There was no discussion. Secretary Murry called for roll call vote. Motion carried.

Agenda Item 7: Tenure Upon Appointment – Dr. Bobby Garrett, Professor of Management, Fogelman College of Business and Economics (For Approval)

Trustee Marchetta commented that we occasionally have outstanding faculty from other universities, and we have the opportunity to grant them tenure upon appointment. Dr. Bobby Garrett is our incoming Dean of the Fogelman College of Business and Economics, effective August 1st. He comes to us from the University of Louisville, Brown & Williamson Professor of Entrepreneurship, associate dean for

Faculty Affairs. He spent nine years at Louisville in various levels of administration and is a productive faculty member in his own right.

Trustee Marchetta recommended that the board approve and grant tenure upon appointment to Dr. Bobby Garrett as a professor of management in the Fogelman College of Business. Trustee Marchetta made the motion to grant tenure upon appointment to Dr. Garrett. The motion was properly seconded. There was no discussion. Secretary Murry called for roll call vote. Motion carried.

Agenda Item 8: Naming of Centennial Place, Shirley C. Raines Hall (For Approval)

Joanna Curtis, Vice President for Advancement, presented in her capacity as the Chair of the Gift Acceptance and Naming Committee at The University of Memphis. This committee allows the naming of facilities in honor of someone who has served the university. The Gift Acceptance and Naming Committee wanted to recognize former president, Shirley C. Raines, and asked the committee to consider renaming Centennial Place the Shirley C. Raines Centennial Place. Dr. Raines served as the first female president of the university for more than 10 years and oversaw a great deal of progress at the University which included the elevation of the Honors Program to the Helen Hardin Honors College and the acquisition of the Lambuth campus in Jackson. Ms. Curtis recommended that the committee approve the renaming of Centennial Place. The motion was made by Trustee North approved and properly seconded. Chair North asked if there was any discussion.

- Chair Edwards commented that Shirley Raines advocated for the establishment of a board of trustees much like the one we currently have. During Dr. Raines' time at the university, we went to the Final Four, moved our Law School downtown, helped develop our Honors Program and acquired the Lambuth campus. Centennial Place was conceived on her watch, and this is an appropriate recognition for her contributions to The University of Memphis.
- Trustee McKinney commented that Dr. Raines was president when he was a student at the UofM. He remarked that she was caring and kind and put students and faculty first. She understood the community and was strategic, much like our current President, Dr. Hardgrave. He stated that he wholeheartedly supports the renaming of Centennial Place.

There were no other comments. Trustee North instructed Secretary Murry to call the roll for the vote. A roll call vote was taken. Motion carried.

Additional Business

Chair North asked if there was any additional business. There was none.

Adjournment

Chair North adjourned the committee.

4. Revision to Board Policy on Tenure and Academic Freedom

For Approval

Presented by Jeffrey Marchetta and David Russomanno

The University of Memphis Board of Trustees

Recommendation

For Approval

Date: September 6, 2023

Committee: Academic, Research and Student Success Committee

Presentation: Revision to Board Policy on Tenure and Academic Freedom

Presented by: Dr. Jeff Marchetta, Professor, Faculty Trustee
Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

A major revision to the Faculty Handbook was approved and adopted for 2022-2023. As the procedures in the Handbook were operationalized during the 2022-2023 academic year, it became apparent that additional minor revisions were needed to help clarify some procedures, correct inconsistencies with dates and timelines, and to properly cite SACSCOC accreditation. In the 2023-24 Faculty Handbook, Section 4.4 was updated to include the new Special Faculty Titles of Endowed Chair and Eminent Scholar. In Section 4.9.3A, revisions to Tenure Upon Appointment added procedures for expedited tenure review for outstanding distinguished faculty members, deans, and provosts who are recommended by the president to be granted tenure upon appointment.

Recommendation:

The Academic, Research, and Student Success Committee recommends that the Board approve revisions to the Board Policy on Tenure and Academic Freedom, as outlined in the meeting materials, to align with the updates to the 2023-24 Faculty Handbook.

Purpose

The Board of Trustees is authorized by Tennessee Code Annotated § 49-8-301 to promulgate a tenure policy or policies which shall ensure academic freedom and provide sufficient professional security to attract the best quality faculty available for the institution. Pursuant to this authority, the board defines the nature of tenure and institutions and the rights and responsibilities of faculty in this policy. In the event of any conflict or inconsistency between this board policy and the Faculty Handbook, this board policy will apply.

1. ACADEMIC FREEDOM

Academic freedom is essential to fulfill the ultimate objectives of an educational university/college – the free search for and exposition of truth – and applies to participation in shared governance as well as teaching and research. Freedom in research is fundamental to the advancement of truth, and academic freedom in teaching is fundamental for the protection of the rights of the faculty member in teaching and of the student to freedom in learning. Freedom in shared governance is fundamental to the development and maintenance of effective academic policies, national and regional accreditation, and shared responsibility for the redelivery of educational products and services to students.

Implicit in the principle of academic freedom are the corollary responsibilities of the faculty who enjoy that freedom. Incompetence, indolence, intellectual dishonesty, failure to carry out assigned duties, serious moral dereliction, arbitrary and capricious disregard of standards of professional conduct as well as other grounds as set forth in applicable law or policy may constitute adequate cause for dismissal or other disciplinary sanctions against faculty members.

The right to academic freedom imposes upon the faculty an equal obligation to take appropriate professional action against faculty members who are unable or unwilling to discharge their professional responsibilities. The faculty member has an obligation to participate in tenure and promotion review of colleagues as specified in university policy. Thus, academic freedom and academic responsibility are interdependent, and academic tenure is adopted as a means to protect the former while promoting the latter. While academic tenure is essential for the protection of academic freedom, all faculty members, tenured or non-tenured, have an equal right to academic freedom and bear the same academic responsibilities implicit in that freedom.

Board policy recognizes the principle of academic freedom and accordingly states:

- Faculty members are entitled to freedom in the classroom in discussing materials relevant to the course.
- Faculty members are entitled to freedom in research and in the publication of the results, subject to adequate performance of their other academic duties; but all research, including research for pecuniary gain, must be performed in an ethical manner and in compliance with all applicable policies and standards in the field and must be based upon an understanding with the authorities of the university.
- Faculty members are citizens, members of a learned profession, and officers of an educational institution. Academic freedom includes the freedom to speak or write without institutional discipline or restraint on matters of public concern, as well as on matters related to professional

duties, and on matters involving the academic and administrative functioning of the educational institution. When faculty members speak or write as citizens, they should be free from institutional censorship or discipline, but their special position in the community imposes special obligations. As persons of learning and as educational officers, they should remember that the public may judge the profession and the university by their utterances. Hence, faculty members should at all times strive to be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that they do not speak for the university.

2. TENURE

Tenure

Tenure appointments are appointments of full-time faculty who have been awarded tenure by the Board of Trustees upon recommendation of the president. Tenure appointments include the assurance of continued employment during the academic year, subject to the conditions described in the Faculty Handbook. Faculty members who hold a tenured appointment in a department or other academic unit, and then are transferred to another department or academic unit retain their tenure status. A faculty member cannot be compelled to relinquish tenure as a condition of the transfer.

An internal or external search is required for the appointment of all tenure-track and tenured faculty positions, except for the specific circumstances described in the Waiver of Search policy. The university policy and procedures for recruitment, application, and selection of faculty can be found on the [university website](#). There are two types of appointments for tenured and tenure-track faculty: full-time academic year(nine-month) appointments and full-time 12-month appointments, typically applicable to some faculty holding administrative appointments.

Minimum Qualifications for Tenure

- Documented evidence of ability in instruction, service, and research.
- Documented evidence of high-quality professional productivity which is leading to national recognition in the academic discipline.
- Professional comportment consistent with the Faculty Code of Conduct

3. POST-TENURE REVIEW

Post-tenure Review is an expanded and in-depth performance evaluation conducted by a committee of tenured peers and administered by the provost. Procedures for conducting a Post-tenure Review are set forth in the Faculty Handbook.

This policy recognizes that the work of a faculty member is not neatly separated into academic or calendar years. To ensure that performance is evaluated in the context of ongoing work, the period of performance subject to Post-tenure Review is the five most recent Annual Performance Review cycles.

Post-tenure Review will be initiated by the provost according to Annual Performance metrics defined in the Faculty Handbook. Post-tenure review will follow procedures defined in the Faculty Handbook.

4. PROBATIONARY PERIOD

A tenure-track faculty member must serve a probationary period prior to being considered for tenure. Except as otherwise stated in the Faculty Handbook, the probationary period will be six years.

Before beginning the sixth (or final) probationary year, a faculty member with the rank of assistant professor or higher must make application for tenure. Absent an approved exception, application and all supporting documentation for tenure should be submitted before the sixth or final probationary year in accordance with the tenure and promotion calendar maintained by the provost. Candidates for tenure must meet eligibility requirements for promotion to associate professor or have already attained that rank. A tenure-track assistant professor recommended for tenure must also be recommended for promotion.

Tenure applications receive one of two responses: tenure may be granted; or tenure may be denied. Re-application for tenure is not possible and the seventh year, or other final year following application for tenure, will be terminal if tenure is denied.

A. TENURE ~~UPON~~ APPOINTMENT

No faculty member shall be granted tenure upon initial appointment except by positive action of the Board of Trustees upon the recommendation of the president. In exceptional cases, a ~~an~~ ~~outstanding~~ distinguished ~~senior~~ faculty member, dean, provost, or president may be awarded tenure upon her or his initial appointment in accordance with the procedures described in the Faculty Handbook. ~~In those cases, the candidate's application file may take the place of the traditional dossier which is described in the Faculty Handbook.~~

The Board of Trustees will only grant tenure upon initial appointment ~~only~~ if the proposed appointee

(1) holds tenure at another higher education institution and the Board determines that the president has documented that the proposed appointee cannot be successfully recruited to the university without being granted tenure upon initial appointment, and (2) will be appointed as an associate or full professor.

B. CREDIT FOR PRIOR SERVICE

Credit toward completion of the probationary period may be permitted for previous full-time service at other universities provided that the prior service is relevant to the needs and criteria of the university. All credit for prior service shall be approved by the provost upon the recommendations of the department chair and dean. Any credit for prior service that is approved must be confirmed in writing at the time of the initial appointment.

C. CREDIT FOR TRANSFER

If a faculty member serving a probationary period is transferred to another academic unit or department, time spent in the first appointment will count toward the probationary period unless a request from the faculty member to begin a new probationary period is approved in writing by the president.

5 CRITERIA FOR TENURE

Full-time, tenure-track faculty appointments at the academic rank of assistant professor, associate professor, or professor are eligible for tenure consideration. A faculty member appointed to an administrative position must attain or retain tenure in a particular unit, department, or approved center/institute. Faculty holding temporary appointments are not eligible for tenure.

Tenure is awarded after a thorough review, which culminates in the university acknowledging a reasonable presumption of the faculty member's professional excellence and the likelihood that this excellence will continue to contribute to the mission and anticipated needs of the academic unit in which tenure is granted.

Professional excellence is reflected in the faculty member's

- teaching (which includes advising and mentoring),
- research/scholarship/creative work (according to the terms of the candidate's appointment), and
- service, and/or other creative work in the discipline,
- professional comportment consistent with the Faculty Code of Conduct.

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- ~~• participation in professional organizations,~~
- ~~• willingness to contribute to the common life of the university, and~~
- ~~• effective work with colleagues and students, including the faculty member's ability to interact appropriately with colleagues and students.~~

It is the responsibility of departments and academic units to define professional excellence in terms of their respective disciplines. Criteria for tenure and/or promotion shall be established by each department. These criteria may be more restrictive than the criteria of the academic unit and the university, but they must be consistent with those criteria. Criteria for tenure and/or promotion shall be established by the academic unit. These criteria may be more restrictive than the criteria of the university, but they must be consistent with those criteria. Criteria for the tenure and/or promotion shall be established by the university. Academic unit criteria for tenure and/or promotion shall become effective upon approval by the provost. Departmental criteria for tenure and/or promotion shall become effective upon approval by the dean and the provost.

In addition to the criteria for tenure and/or promotion stated in university, academic unit, and department guidelines, administrative criteria such as enrollment patterns and trends, curricular changes, program development, financial consideration, and rank distribution, are considered in tenure and/or promotion decisions. Therefore, a decision to deny tenure or deny promotion does not necessarily mean that a faculty member's work or conduct has been unsatisfactory.

6 CONDITIONS PRECEDENT TO THE AWARD OF TENURE BY THE BOARD OF TRUSTEES

All candidates applying for tenure and/or promotion are required to submit a dossier unless an exception is granted as specified in the Faculty Handbook Tenure Upon Appointment.

The dossier should reflect the faculty member's cumulative performance in satisfying the requirements for the award of tenure regarding teaching, research / scholarship / creative activity, and service. The

dossier contents are described in the Faculty Handbook. The dossier will be reviewed as described in the Faculty Handbook. Appeals of a negative tenure recommendation are described in the Faculty Handbook.

REVIEW AND RECOMMENDATION BY THE PRESIDENT:

After receiving recommendations from the provost and the Faculty Appeals Committee (if there was an appeal), the president makes final recommendations to the Board of Trustees and notifies the candidate of this recommendation. In the case of a negative recommendation, the president will provide the candidate written reason(s) for the decision. The recommendation made by the president on tenure and/or promotion is not subject to an appeal.

ACTION BY THE BOARD OF TRUSTEES:

Only the Board of Trustees is authorized to grant tenure and/or promotion. The president will present a list of the positive recommendations for tenure and/or promotion for board approval. The board will notify the president of its decision and the president will provide the faculty member written notice of the board's decision. For positive action by the Board of Trustees to grant tenure and/or promotion, the president shall give the faculty member written notice of the effective date of tenure and/or promotion.

7 TERMINATION OF TENURE

Grounds for Termination

A. RELINQUISHMENT OR FORFEITURE OF TENURE:

A tenured faculty member relinquishes his or her tenure upon resignation or retirement from the university. A tenured faculty member forfeits tenure at the university if she or he takes an unauthorized leave of absence, fails to resume the duties of his or her position following an approved leave of absence, holds a tenured appointment at another institution, or is unable to perform assigned duties or carry out the responsibilities of a faculty member due a physical or mental condition, as established by an appropriate medical authority. Forfeiture results in automatic termination of employment. The provost shall give the faculty member written notice of the forfeiture of tenure and termination of employment. The faculty member may appeal this action as specified in the general appeals procedures described in the Faculty Handbook.

B. EXTRAORDINARY CIRCUMSTANCES:

Extraordinary circumstances warranting termination of tenure may involve financial exigency or program discontinuance.

1. In the case of financial exigency, tenured faculty may be terminated because of financial exigency at the university if the Board of Trustees declares such a condition. Personnel decisions (including those related to tenured faculty) resulting from a declaration of financial exigency at the university must comply with applicable university policy which can be found in this on the university website.
2. In the case of program discontinuance, tenured faculty may be terminated if:

- a. A program, such as degree major, concentration, and/or other curricular component, is discontinued by formal action of the Board of Trustees.
- b. Student enrollment in a program has decreased over a period of at least three years at a rate which is considerably higher than that of the institution as a whole and/or in comparison with similar institutions as determined by the president.
- c. An approved center/institute with tenured faculty lines is dissolved by action of the president.

Procedures for termination due to extraordinary circumstances will follow procedures defined in the Faculty Handbook.

C. ADEQUATE CAUSE:

Adequate cause for terminating a tenured faculty member defined by Tennessee Code Annotated §49-8-302, means the following:

- 1. Incompetence or dishonesty in teaching or research
- 2. Willful failure to perform the duties and responsibilities for which the faculty member was employed; or refusal or continued failure to comply with the policies of the university, academic unit, or department; or to carry out specific assignments, when these policies or assignments are reasonable and nondiscriminatory
- 3. Conviction of a felony or a crime involving moral turpitude
- 4. Improper use of narcotics or intoxicants which substantially impairs fulfillment of departmental or institutional duties and responsibilities.
- 5. Capricious disregard of accepted standards of professional conduct.
- 6. Falsification of information on an employment application, curriculum vitae, or other information concerning qualifications for a position.
- 7. Failure to maintain the level of professional excellence and ability demonstrated by other members of the faculty in the department or division of the university.

Procedures for termination due to adequate cause will follow procedures defined in the Faculty Handbook.

5. Research Annual Report

Presentation

Presented by Jasbir Dhaliwal

The University of Memphis Board of Trustees

Presentation
For Information

Date: September 6, 2023

Committee: Academics, Research & Student Success Committee

Presentation: Research & Innovation Annual Report for FY 2023

Presented by: Jasbir Dhaliwal, Professor of Information Systems & Executive Vice President for Research and Innovation

Background:

This presentation provides a summary of the University's research achievements in FY 2023. It highlights trends and details various initiatives that are contributing to the growth of research and innovation on campus.

Division of Research & Innovation

Academics, Research & Student Success Committee

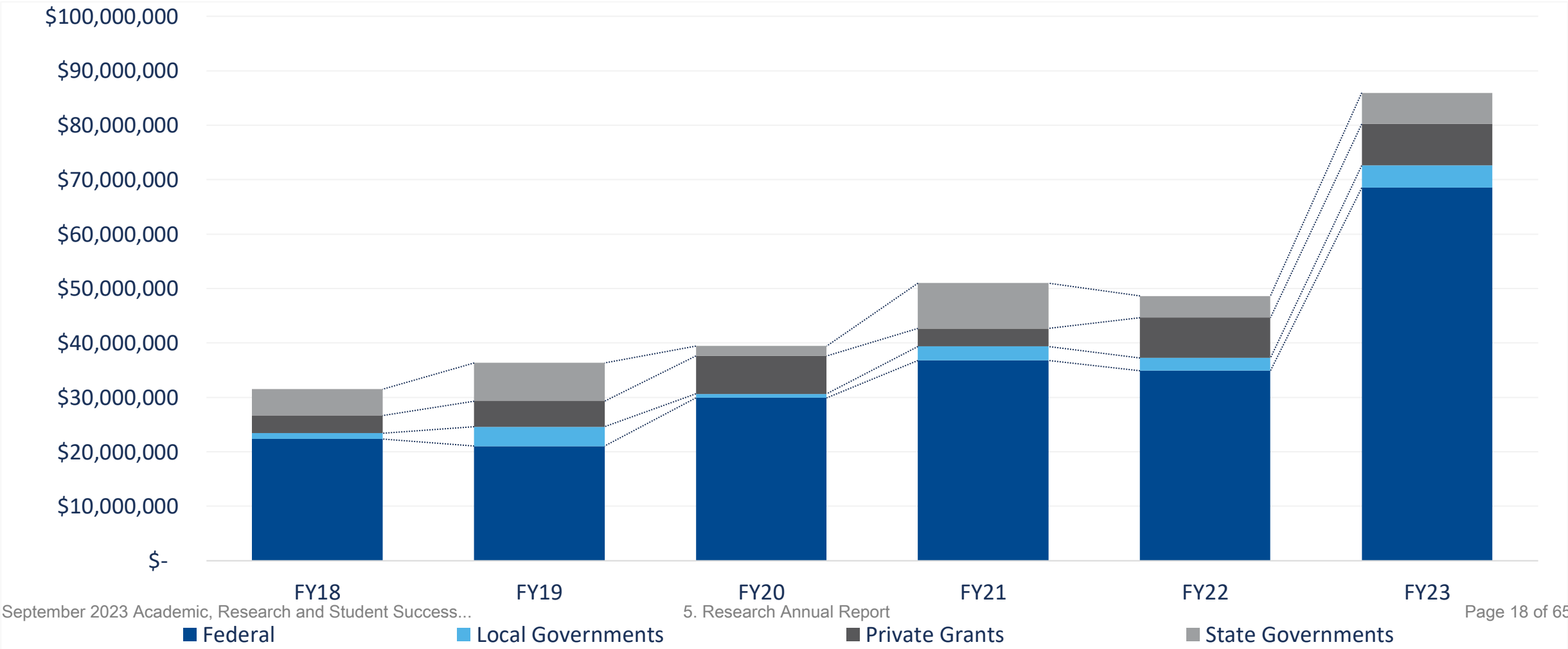
Dr. Jasbir Dhaliwal
Executive Vice President for
Research & Innovation

September 6, 2023
Maxine A. Smith University Center



**Board of
Trustees**

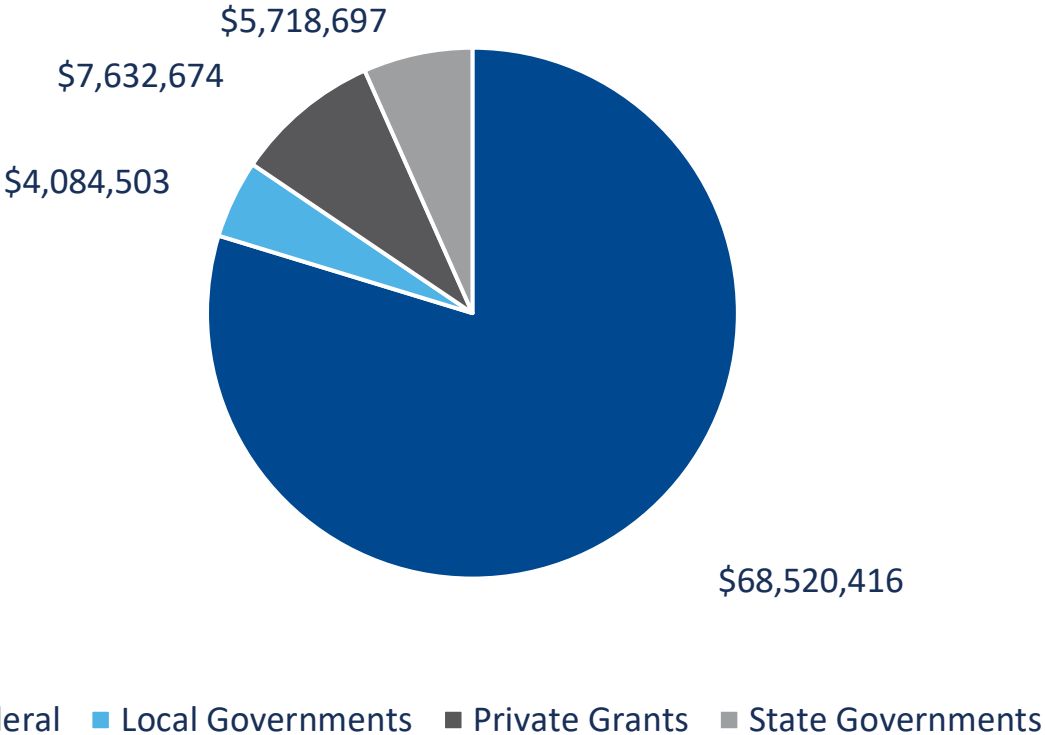
Award Breakdown FY18-FY23



2023 Faculty Driven Success

- New record of \$86M (up from about \$50M)
- Largest annual increase of 68% from last year
- Largest single award of \$25M in UofM history
- Federal research dollars are about 80% of total – represents an injection into our local economy
- Eleven federal agencies are now giving us at least \$1M – up from four in 2018
- First time principal investigators have gone up from 18 to 41 per year over the last five years.
- Faculty are increasingly funding their own research ideas, efforts, students and labs

2023 Funding by Source



Between FY18 and FY23 the University has increased research awards by 270%.

The Changing Research Culture at the UofM



Research Leaders Winning More Than \$1 Million

** Bold Names: Deans*



Laura
Casey



**Gary
Emmert**



Daniel
Foti



**Richard
Irwin**



**Stephanie
Ivey**



Wesley
James



**Ashish
Joshi**



Kurt
Kraiger



Santosh
Kumar



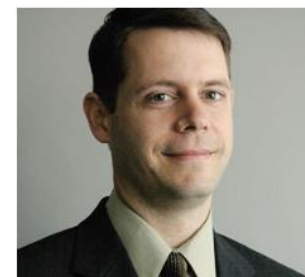
Sabyasachee
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Susan
Neely-Barnes
5. Research Annual Report



Christos
Papadopoulos



Brian
Waldron

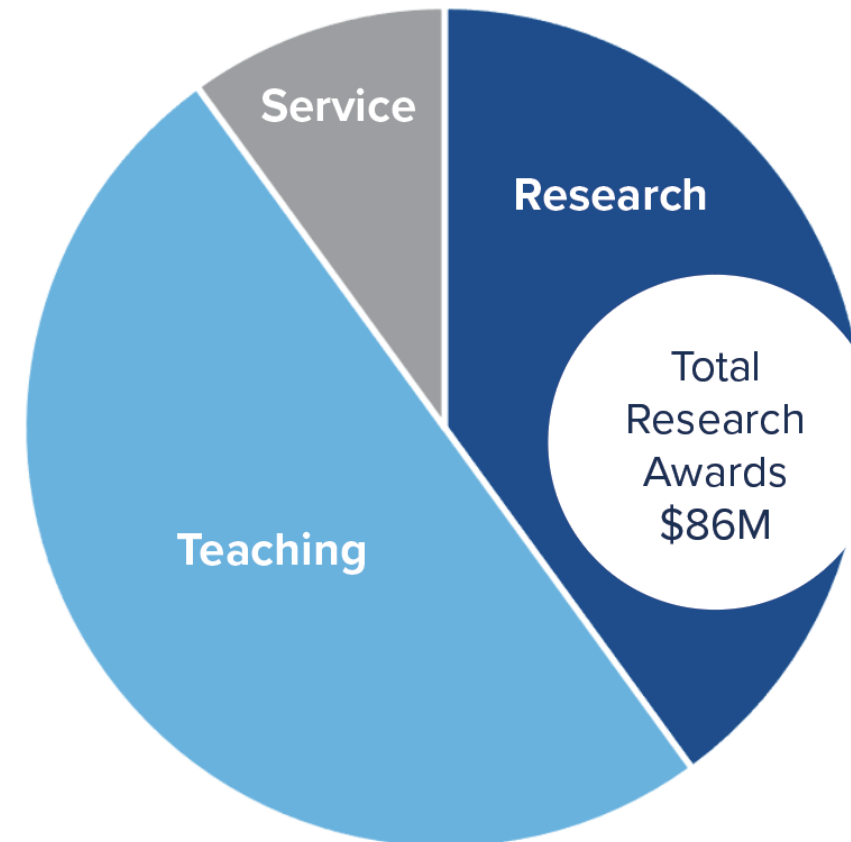


James
Whelan

2023 Faculty Driven Success

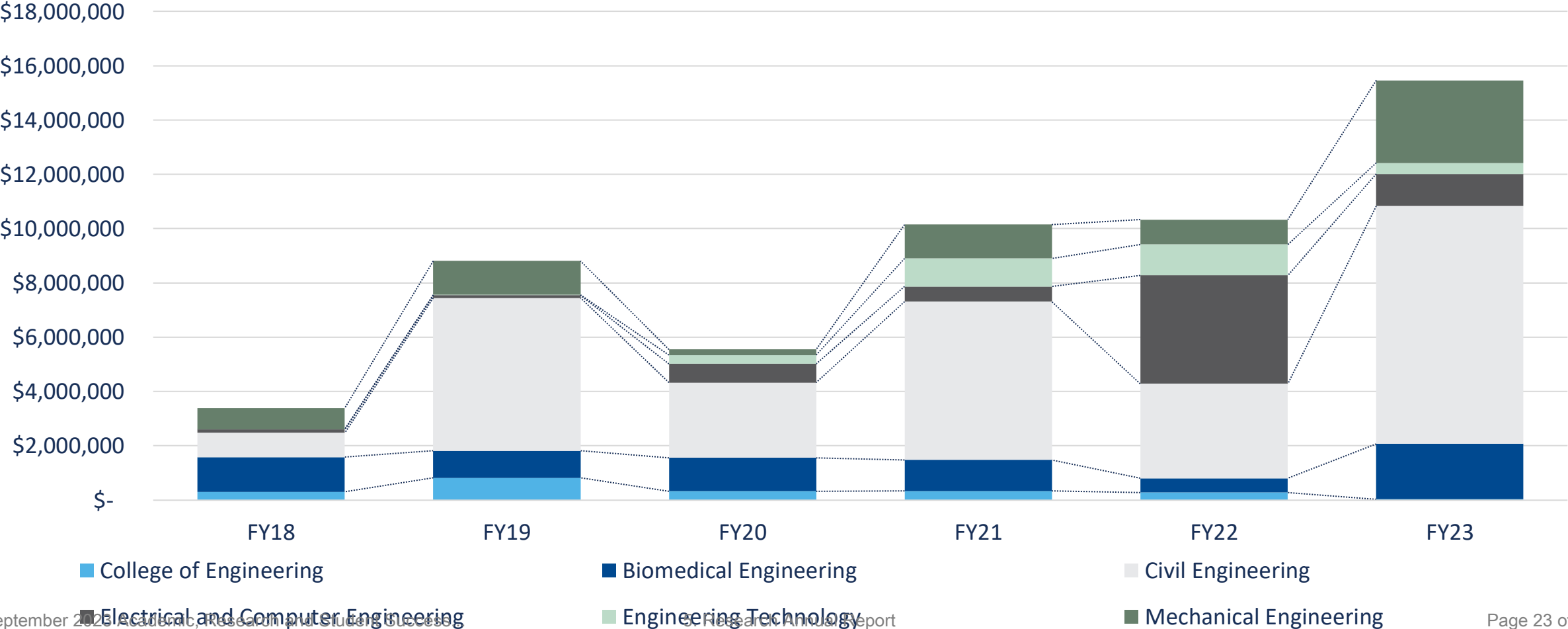
- The average faculty contract is divided into three parts:
 - Research – 40%
 - Teaching – 50%
 - Service – 10%
- Externally Funded Research Awards Equal 163% of Faculty Research Effort
- Faculty are now more than recouping the University's investment in the research effort
- Research award dollars per faculty member has gone up from about \$45K to \$122K over five years

Total Faculty Salary and Benefits: Approximately \$132M



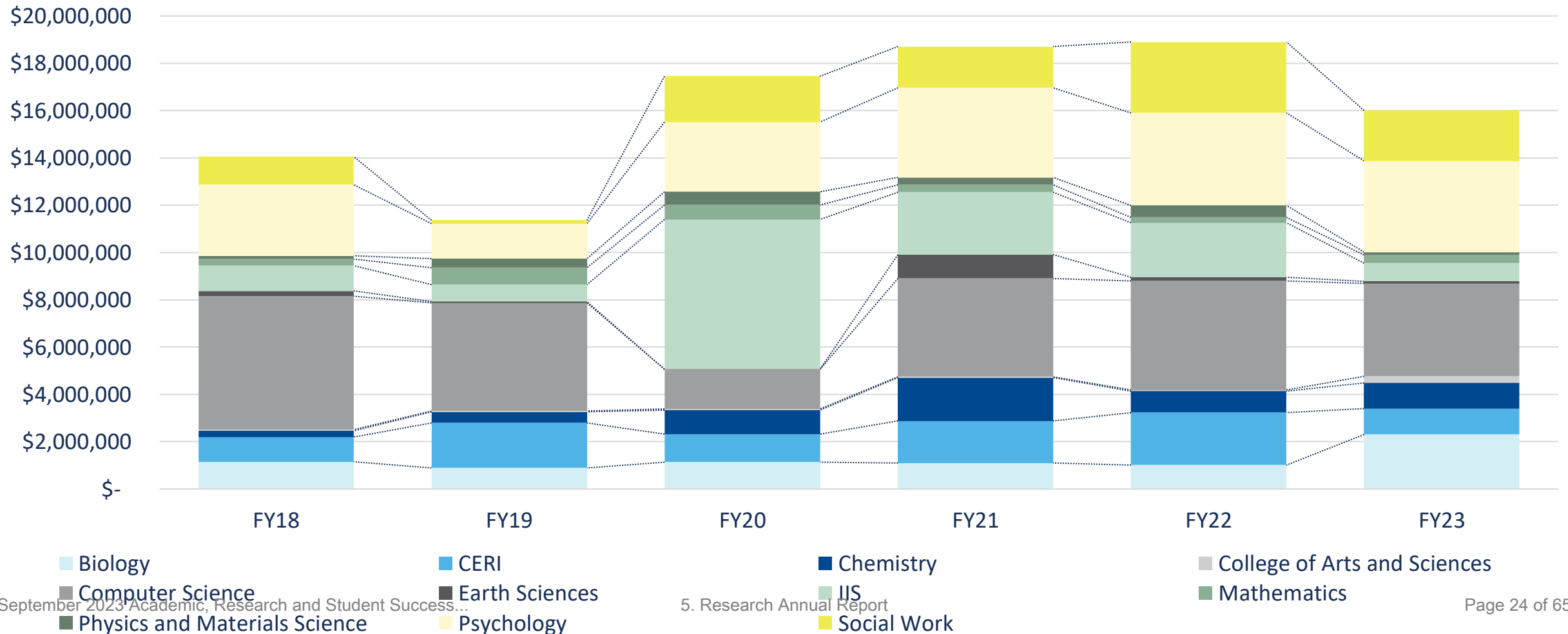
Progress of STEM Academic Units

Engineering Departments



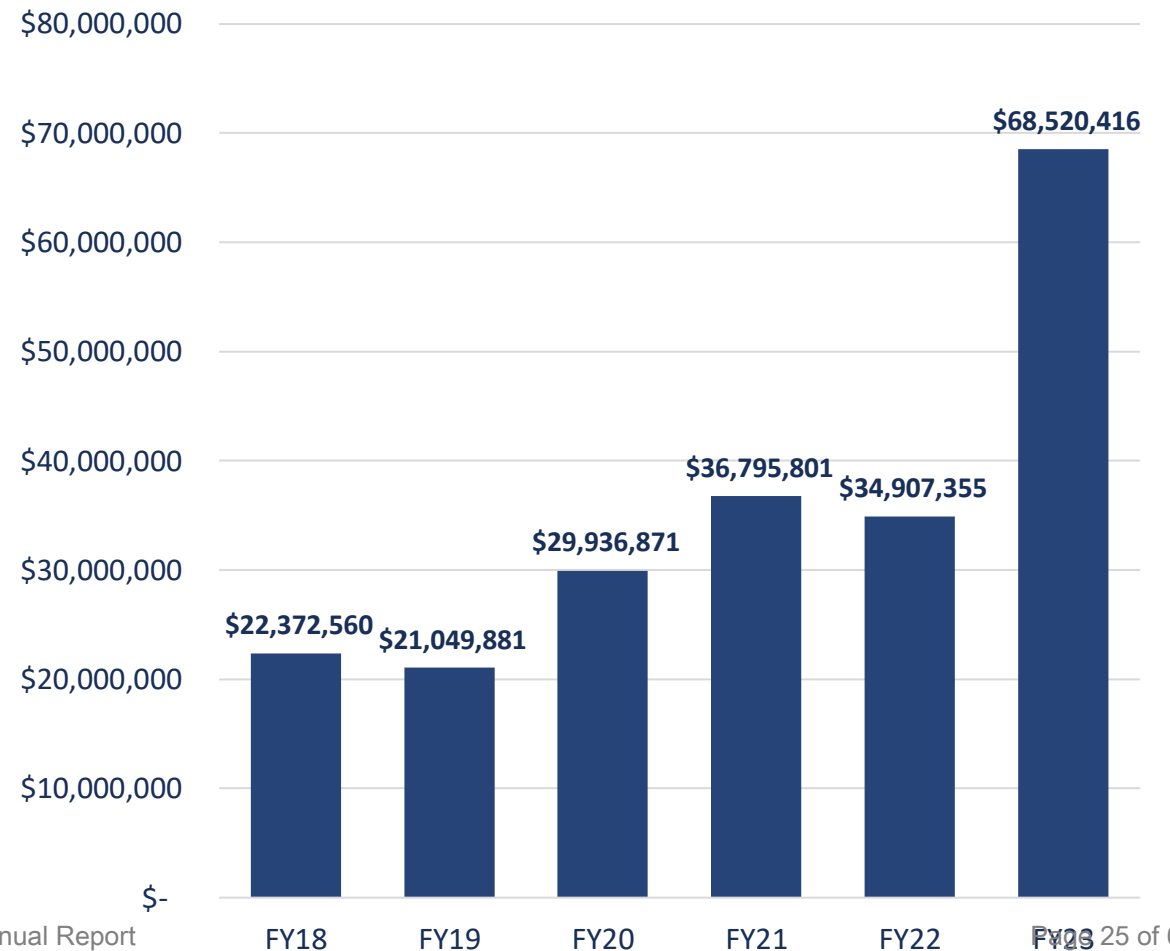
Progress of STEM Academic Units

College of Arts & Sciences Departments



- Top federal agencies funding our research are:
 - Department of Health & Human Sciences
 - Centers for Disease Control
 - National Science Foundation
 - National Institutes of Health
 - US Economic Development Administration
 - Health Resources and Services Administration
 - US Department of Education
 - Federal Highway Administration
 - US Army Research Office
 - Office of Naval Research
 - US Geological Survey

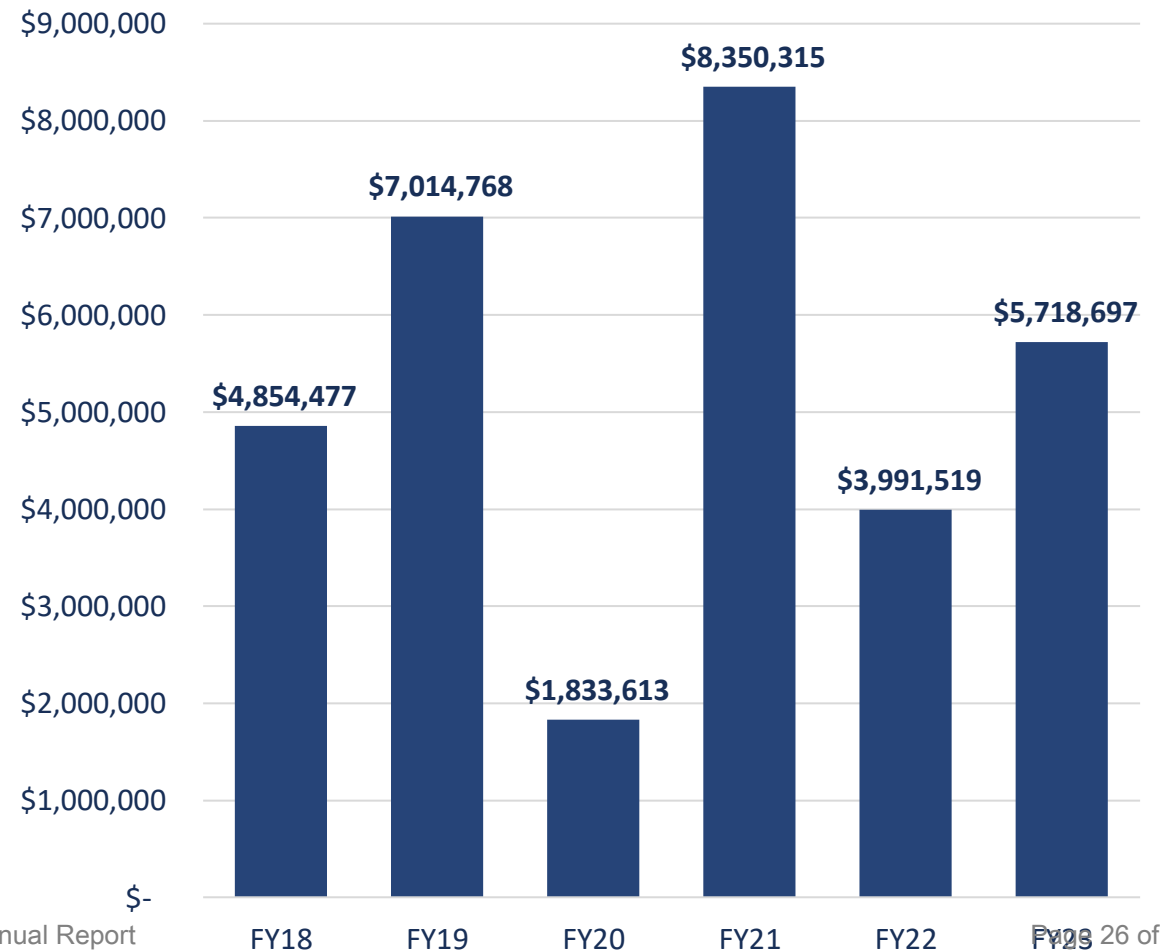
Federal Awards



Research Awards from the State

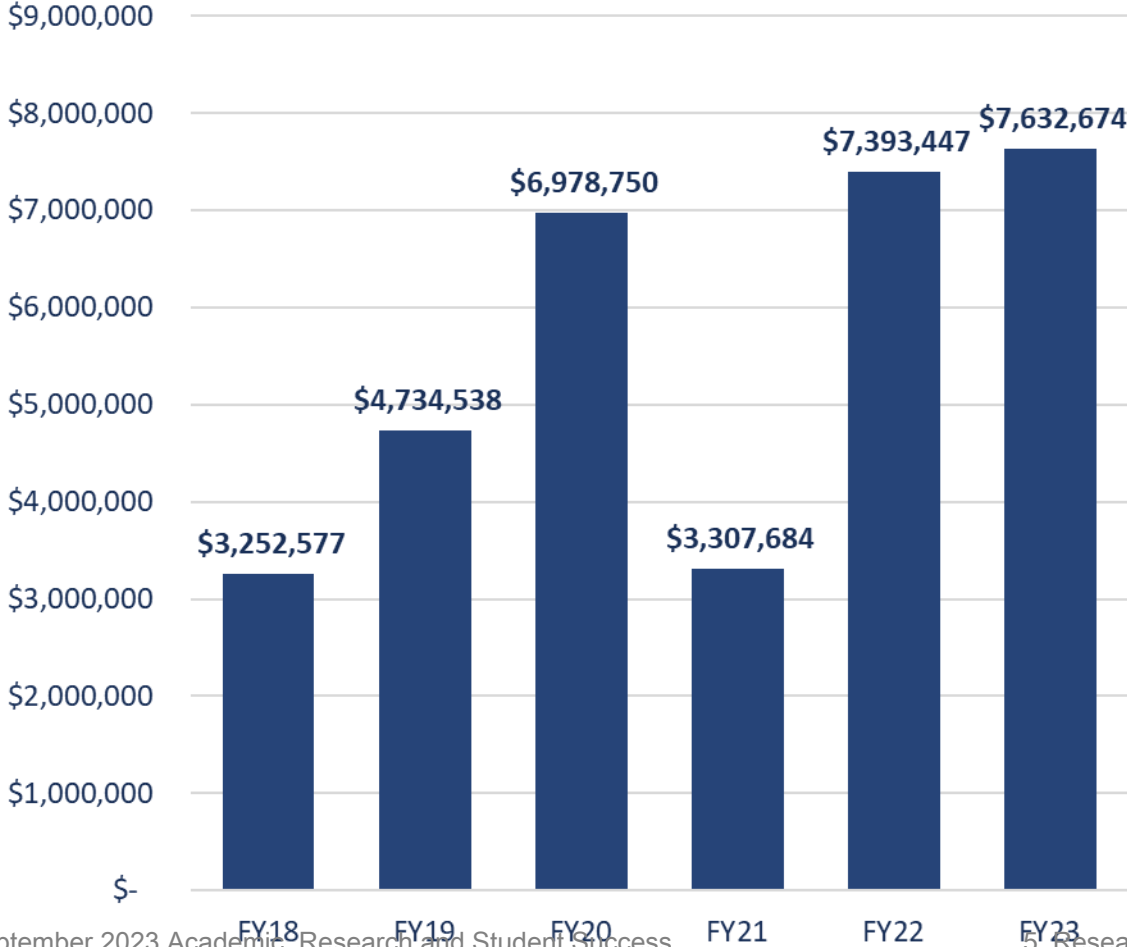
- Top state agencies funding our research are:
 - Department of Mental Health & Substance Abuse
 - Tennessee Department of Education
 - Tennessee Department of Agriculture
 - Tennessee Department of Transportation
 - State of Tennessee
 - West Tennessee River Basin Authority
 - Tennessee High Education Commission
 - Virginia Department of Education
 - UTHSC
 - Paris Special School District
 - Mississippi Soybean Promotion Board
 - Tennessee Department of Commerce & Insurance

State Awards

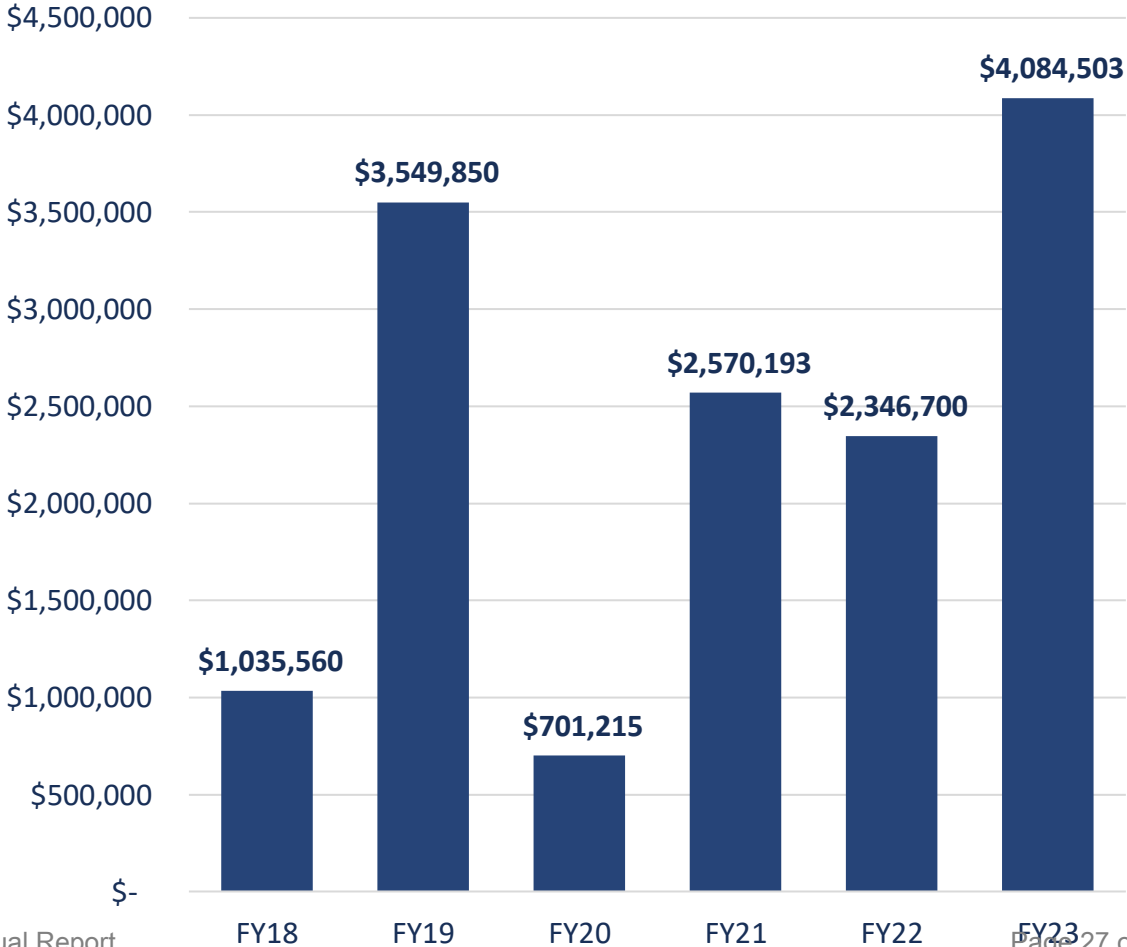


Other Research Partners

Corporate & Foundation Awards



Local Public Awards



Some Research Award Highlights

- Growing Relational and Occupational Wealth in West Tennessee Households | Richard Irwin, UM Global
 - \$25,000,000
- Center for Public Health Informatics, Data, Equity, Analytics, and Systems (PH-IDEAS) | Ashish Joshi, School of Public Health
 - \$8,739,721
- Black Wealth Advancement through New Business and Knowledge Development (BANK) | Kurt Kraiger, Management
 - \$1,400,393
- Collaborative Research: CCRI: NEW: Open Community Platform for Sharing Vehicle Telematics Data for Research and Innovation | Christos Papadopoulos, Computer Science
 - \$871,098
- The Motivations and Experiences of Minority Arts Entrepreneurs National Endowment for the Arts | Joseph Hanson, School of Music
 - \$15,000

Junior Faculty Award Highlights

- CAREER: Open-Access, Real-Time High-Throughput Metabolomics for High-Field and Benchtop NMR for Biological Inquiry | Aaryani Sajja, Biomedical Engineering
 - \$609,976 | National Science Foundation
- CAREER: Super-Resolution 3D Ultrasound Imaging of Brain Activity | Carl Herickoff, Biomedical Engineering
 - \$396,930 | National Science Foundation
- Cavitation Erosion: Model to Full Scale | Daniel Foti, Mechanical Engineering
 - \$830,000 | Office of Naval Research
- Effect of ambient heat and meteorological variables on chronic kidney disease progression among US veterans | Abu Naser Titu, Public Health
 - \$430,000 | National Institutes of Health
- Designing Machine Learning-based Solutions for APT Detection | Kan Yang, Computer Science
 - \$397,500 | FedEx Services

- The NSF CAREER Award is the among most prestigious junior faculty research awards made by the National Science Foundation. This nationally competitive award helps aspiring research leaders to establish their career in a way that sets them up for future growth and funding.
- This year, the UofM received two CAREER awards – both in the University of Memphis Biomedical Engineering (BME).
- Five consecutive years of CAREER awards – building the foundation for the future.



**Dr. Aaryani
Tipirneni-Sajja**



**Dr. Carl D.
Herickhoff**

Technology Transfer Highlights

- **Efficient Forwarding Information Base Caching System and Method** by Lan Wang, U.S. Patent 11,489,771 (11/1/2022)
- **Multi-user Permission Strategy to Access Sensitive Information (Shared Trust)** by Dipankar Dasgupta, U.S. Patent 11,503,035 (11/15/2022)
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Companies Currently Licensing UofM Technologies

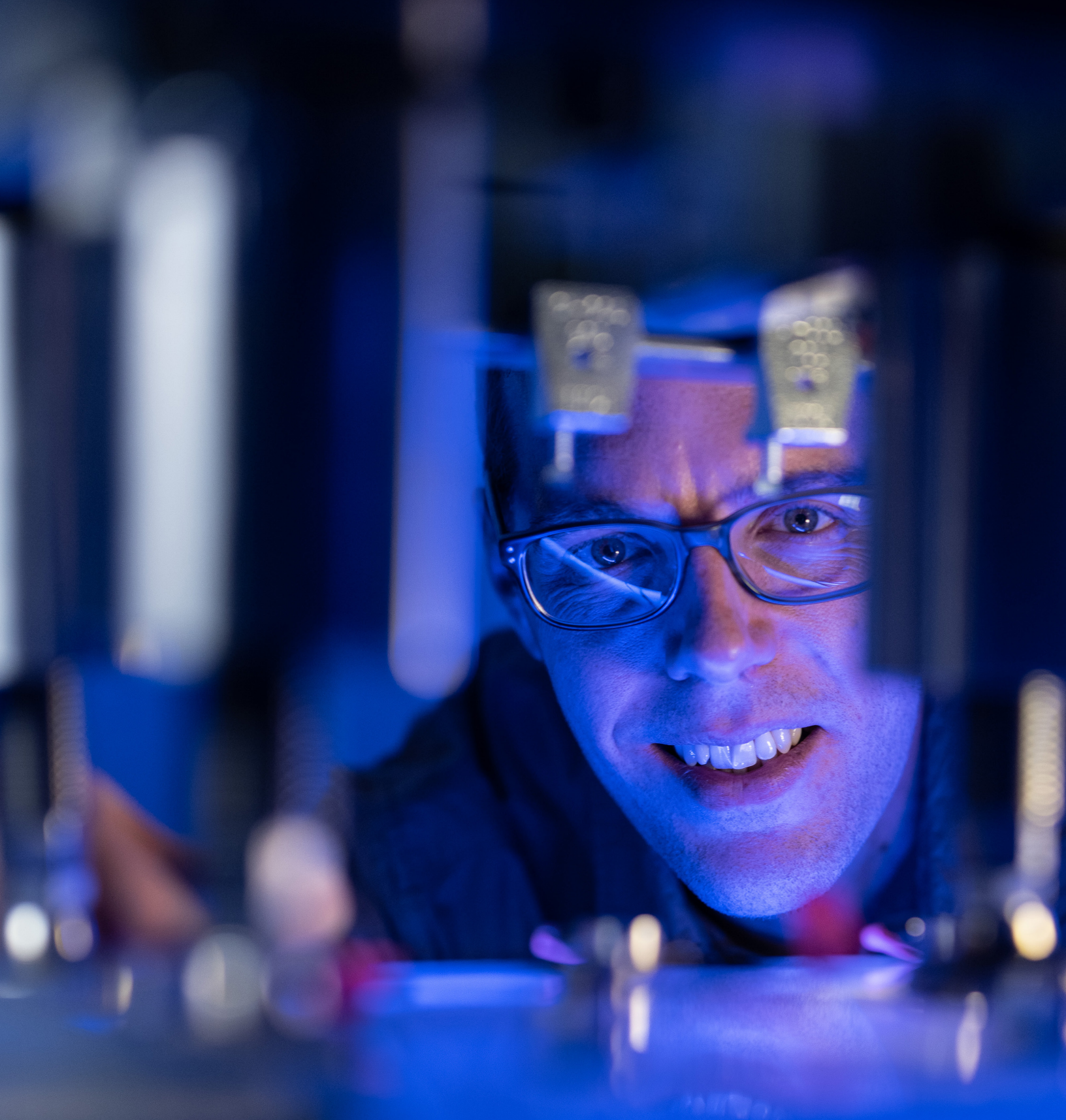


The UofM's momentum is reflective of a changing research culture driven by faculty empowered to funding their own research. Guided by our new strategic plan, research at the UofM will continue to **ASCEND**.



RESEARCH REPORT FY23





CARNEGIE R1 STATUS

**University of Memphis: A Tennessee Flagship
Carnegie R1 Research Institution.**



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Left: Thomas Goebel, Center for Earthquake Research and Information. Dr. Goebel is a 2022 NSF CAREER Recipient whose work is focused on induced Seismicity, fault structure, and earthquake source processes.

Cover: Amber Jennings, Biomedical Engineering. Dr. Jennings is a 2019 NSF CAREER Recipient who works with the Department of Defense and other agencies to design biomaterials that fight antimicrobial resistance to implants.



Kevin Berisso, Engineering Technology. Dr. Berisso is leading the development of automated workforce solutions. The Automatic Identification Lab, led by Dr. Berisso, is a leading research facility in bar coding, radio frequency identification (RFID), biometrics and smart cards.

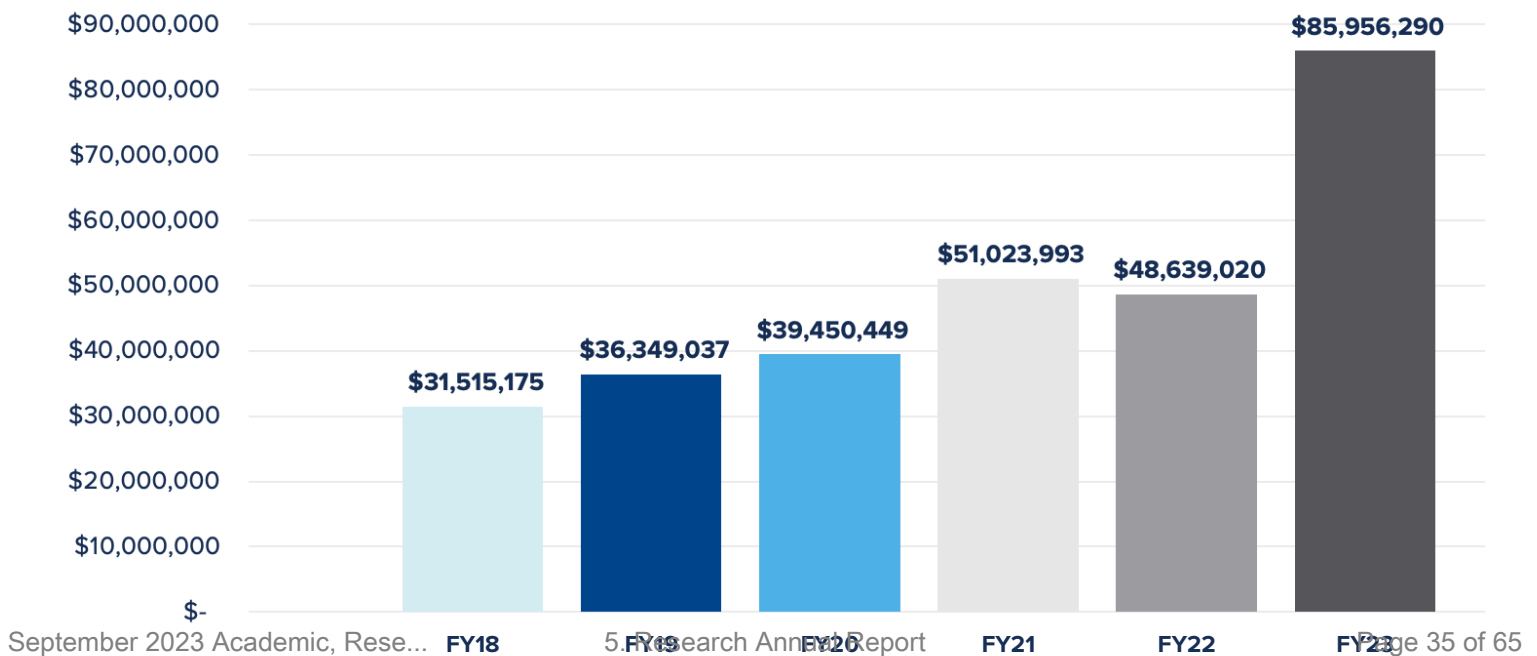
SUMMARY

The University ascends with continued research success.

In 2023, the University of Memphis achieved unprecedented success in funded research. We saw more funding than ever before, more departments achieving high levels of research activity, more millionaire PIs, and more research agencies interacting with our campus. Part of the noteworthy increase for this year can be attributed to the inclusive strategic planning process. Under our new strategic plan, Ascend, the University will continue this progress.

The last five years have yielded an increase in the research award footprint on campus of 273% - from \$31.5 million to just under \$86 million. This rapid near tripling of research awards is now challenging the research infrastructure of campus. The tremendous success of this year builds on a progressing trend of growth that has seen top record breaking trends in all major categories as compared to five years ago (see page 5).

Fiscal Year Totals





Brandt Pence (center), College of Health Sciences. Dr. Pence focuses immunophysiology and identifying how physiological stressors such as diet and exercise impact immune function. His work is supported by NIH and the American Heart Association.



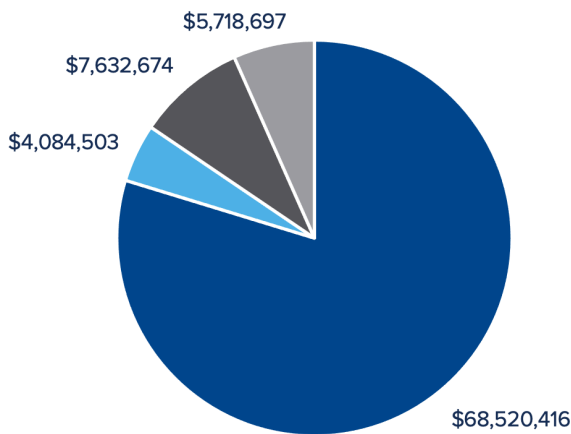
MAJOR TRENDS

2023 was a landmark year for research growth at the University of Memphis. The strength of our research faculty and our role in the region have been enhanced with the designation of R1, and the result has been a significant increase in overall awards. Our total amount of awards - \$86M, is a tremendous step up from our previous record (FY21) of \$51M. This achievement is eclipsed only by the increased diversity of participation in the research enterprise. Twenty units achieved \$1M+ in awards, with four achieving the designation for the first time. We furthered our record number of millionaire PIs to 15 in a single year. A total of 84 new PIs in the last two fiscal years bodes well for the future of UofM research. This increasing participation of faculty signals a more broad-based research culture driven by the need for individual faculty members to fund their own research. Despite the constant number of proposals, the total award amounts have increased dramatically, which is a clear indication of improved quality in proposal submissions. An increase in faculty lines, especially in areas that are funded heavily by federal research agencies, can only increase overall performance.

Research Awards represent federal external dollars being spent in our communities. The diversity of disciplines engaged in the research enterprise, and the inclusion of more partners in our work, has led to a more vibrant community of research that positively impacts the whole region.

FISCAL YEAR DATA

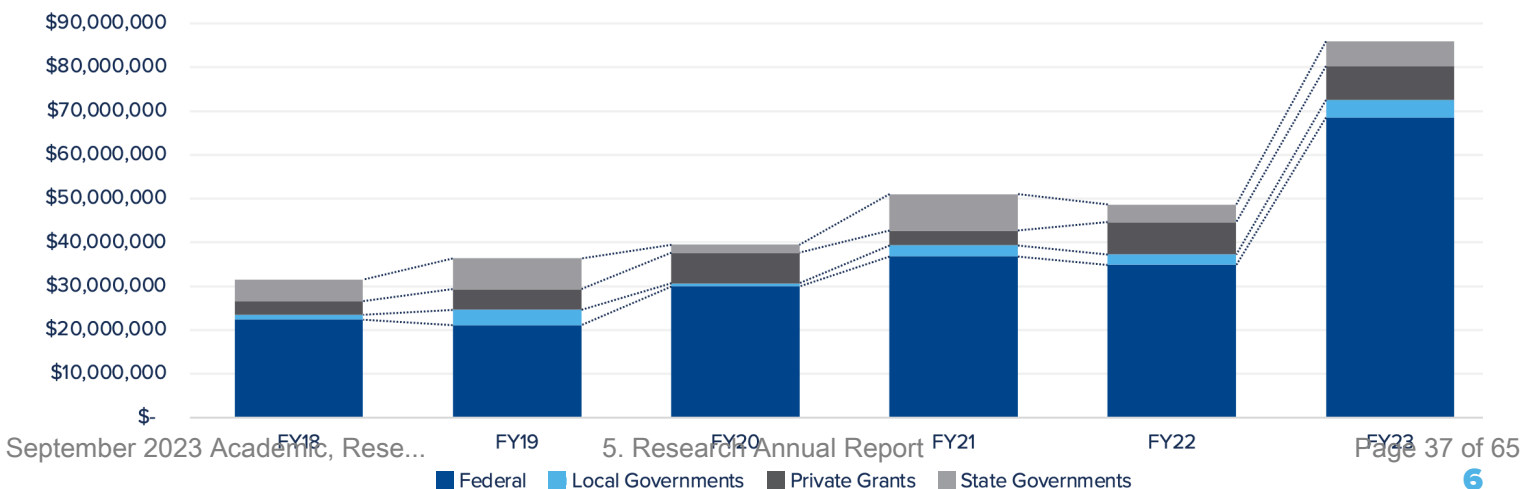
FY23 Award Breakdown



Our total amount of awards—\$86M, is a tremendous step up from our previous record in FY21 of \$51M.

■ Federal ■ Local Governments ■ Private Grants ■ State Governments

Award Breakdown FY18-FY23



RESEARCH LEADERS WINNING MORE THAN \$1 MILLION

* **Bold:** Deans



Laura Casey



Gary Emmert



Daniel Foti



Richard Irwin



Stephanie Ivey



Wesley James



Ashish Joshi



Kurt Kraiger



Santosh Kumar



Sabyasachee Mishra



Susan Neely-Barnes



Christos Papadopoulos



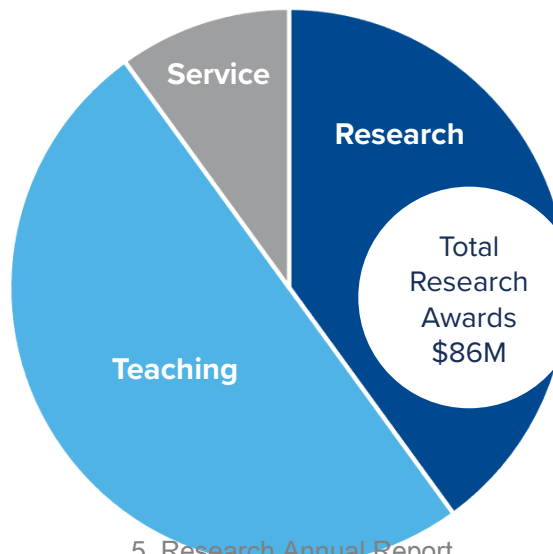
Brian Waldron



James Whelan

Total Faculty Salary and Benefits: Approximately \$132M

The average faculty contract is divided into three parts:
 Research – 40%
 Teaching – 50%
 Service – 10%



Externally Funded Research Awards Equal 163% of Faculty Research Effort

Faculty are now more than recouping the University's investment in the research effort.



First Time PIs for FY22 receive their certificates at the 2023 Research Celebration.

STRATEGIC RESEARCH DEVELOPMENT

Ongoing Faculty Support Programs and Key Outcomes

» INTEGRIT-E Regional Collaboration:

- » The Innovation Through Entrepreneurship Guided by Research, Technology, and Equity is a regional collaboration of over 75 organizations formed in response to the NSF Engines program.
- » The organization is designed to respond to regional challenges by building networks to apply for funding.

» Communities of Research Scholars (CoRS):

- » Designed to facilitate collaborations and grow research engagement.
- » 63 CoRs funded, including faculty from over 51 disciplines.
- » FY23 programs furthered a regional engagement strategy.

» UofM Research Council

- » Developed a University of Memphis Centers and Institutes Policy.
- » IRB Review and Improvement Task Force assembled.

» Research Proposal Review Services

- » Over 70 proposals reviewed in FY23, leveraging internal and external reviewers from multiple institutions and agencies.

» Gap Funding Program

- » 16 proposals funded to date.
- » The program helps faculty who are between grants or revising and resubmitting to federal agencies to continue their research.

» NSF CAREER Academy

- » Growing new faculty through professional development and comprehensive review services
- » Career Stats:
 - » NSF CAREER Awards: 9
 - » DoE CAREER Award: 1
 - » Applications Supported: 50+ to date
 - » *UofM among top 25% of NSF CAREER winning institutions*

» Fine Arts, Humanities & Social Sciences Grants

- » 20 proposals funded to date.
- » 16 monographs or edited volumes published.
- » One album released.

» Defense Research Engagement

- » NDAA support secured for FY21, FY22, FY24.
- » Defense research networking preparation for faculty
- » 40+ faculty engaged in defense research initiatives.

» FedEx Institute of Technology

- » FedEx support has yielded a 10x return on investment in research.
- » The Systems Testing Excellence Program Lab opened inside the FIT in September 2022.
- » The Patents2Products Program spun out three additional technology startups from UofM Postdoc Entrepreneurs.
- » 80+ meetings, workshops, training programs, conferences and other events were offered by the FIT.



» **National Science Foundation Research Experience for Undergrads Cohort Program**

- » 11 participants in inaugural cohort program designed to increase REU applications from UofM.
- » REUs can supplement existing NSF awards and create opportunities for students in STEM disciplines.

» **Carnegie R1 Doctoral Fellowships**

- » 48 PhD students funded to date.
- » Students included in over 60 grant proposals in two years.

» **Carnegie R1 Postdoc Program**

- » 50+ postdocs funded to date.
- » 60+ grant proposals submitted with effort included for continued postdoc funding.
- » Provided comprehensive grantsmanship training to all postdoc members.
- » Current number of PhD qualified research staff: 48
- » Current postdoc count: 37

» **UMRF Junior Professorships**

- » All NSF Career recipients from current and prior years.
- » 2023 Recipients – Aaryani Sajja, Carl Herickoff
- » 2022 Recipients – Thomas Goebel, Kensha Clark
- » 2021 Recipients – Maryam Salehi, Ana Doblas
- » 2020 Recipients – Ranga Gopalakrishnan, Amber Jennings, Thomas Watson

» **The Conversation Support**

- » Subscription to *The Conversation* aides faculty in publishing to a general readership audience
- » 2.7M+ article reads for UofM faculty authors to date
- » Articles published in *Chicago Tribune*, *USA Today*, *CNN*, *Business Insider*, etc.

» **Research Equipment Database**

- » Searchable database of all UofM research instrumentation, as reported by departments.

» **West Cancer Foundation Research Initiative**

- » Four projects funded to date.
- » Established in the fall of 2020, the West Cancer Foundation Initiative was created to cultivate research across the UofM campus in areas that advance cancer treatment, promote community health and wellness, and/or provide supportive patient care.

» **INFER**

- » Innovative Non-profit and Foundation Engaged Research (INFER) founded in 2020.
- » Seeks to bridge the efforts of researchers (in the areas of social science, life science and the humanities) and nonprofits (with social, human and health services-related missions) to ensure that research efforts are relevant and useful to practitioners and that practice is effective and grounded in “best practice.”

» **PECIR**

- » The University of Memphis and Meharry Medical College partnered to fund six projects that build interdisciplinary partnership between institutions.

» **RISE Fellowship**

- » 70 PhD students funded to date.

» **First Gen STEM**

- » Nine PhD students funded to date.



Arthur C. Graesser Presidential Award for Lifetime Achievement in Research

The Graesser Award is the highest level of research recognition available to University of Memphis faculty. In 2023, Dr. Dipankar Dasgupta (pictured center) was recognized for his lifetime of work advancing cybersecurity and computer science research. Dr. Dasgupta is the Director of Center for Information Assurance and the Hill Professor in Cybersecurity.

FACULTY SUCCESS SPOTLIGHT

National Endowment for the Arts Recognizes Arts Entrepreneurship in Memphis



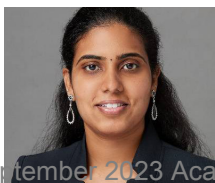
In the first direct award from the NEA to the UofM in recent memory, Dr. Josef Hanson was awarded funding for his project “The Motivations and Experiences of Minority Arts Entrepreneurs”. Dr. Hanson has centered his work on the strong musical traditions of Memphis and the revitalization of music-oriented arts entrepreneurship in our region. He previously served as President of the Society for Arts Entrepreneurship Education.

NSF CAREER AWARDS

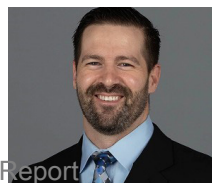
Industry-aligned Strength Brings Top Level Talent

The NSF CAREER Award is the among most prestigious junior faculty research awards made by the National Science Foundation. This highly competitive award helps aspiring research leaders to establish their career in a way that sets them up for future growth and funding. This year, the UofM received two CAREER awards – both in the same department. Drs. Aaryani Sajja and Carl Herickhoff call the University of Memphis Biomedical Engineering (BME) Department home. Their awards further a reputation of high quality for the department – including Dr. Jessica Jennings, all junior faculty in BME have been awarded the CAREER. This is an exemplary and rare achievement in higher education.

The Biomedical Engineering Department is a key component of the biomedical device manufacturing landscape in our region. Memphis is the nation’s second largest hub for the industry, and graduates from the UofM BME department are employed in nearly every company in the sector. Through research and student programs, departments like BME at the UofM are driving industry in our region.



**Dr. Aaryani
Tipirneni-Sajja**



**Dr. Carl D.
Herickhoff**

BUILDING REGIONAL CAPACITY THROUGH RESEARCH-DRIVEN COLLABORATION

In 2023, the University of Memphis furthered its role as a leading University not just of Memphis, but the entire Delta Region. Through the work of multiple teams across campus, we have centered our efforts on thinking strategically about the biggest challenges facing the Delta region, and we are rising to meet those challenges through strategic collaborations that seek to build trust by centering on the lived experience of the people who call the region home.

HIGHLIGHTS OF REGIONAL DEVELOPMENT:

Center for Regional Economic Enrichment (CREE)

CREE focuses on enhancing the educational, environmental and economic well-being of the people and places of West Tennessee and the Delta. The Center, launched in 2021, brings together multiple grant funded programs that have focused on serving the people of Tennessee, Arkansas, and Mississippi.



GROWING RELATIONAL AND OCCUPATIONAL WEALTH IN WEST TENNESSEE HOUSEHOLDS

Growing Relational and Occupational Wealth in West Tennessee Households (GROWWTH) has a goal to serve 2,500 low-income households over three years across West Tennessee. Over ten years, the program projects an estimated net benefit of \$850 million, including a boost to the gross domestic product and a savings of \$330 million from reduced social safety net spending. Fueled by a grant from the Tennessee Department of Human Services and Families First program, GROWWTH is a pilot program to help people improve their economic well-being and become self-sufficient. Partners include regional workforce boards (Workforce Mid-South, Southwest Tennessee and Northwest Tennessee), Community LIFT, Abyssinian Baptist Church, Economic Opportunities, Memphis Interfaith Coalition for Action and Hope (MICAH), Stand for Children, Whole Child Strategies, and The Organizing Expert, and are involved to ensure that the results of the program are sustainable and impact the communities most in need.

Also a part of the CREE Grant-Funded Work:



Keep Tennessee Beautiful is the state level affiliate of Keep America Beautiful. Keep Tennessee Beautiful gives support to over 30 local/county KAB affiliates across the state.



The University of Memphis serves as one of three Memphis-area backbone organizations for the Opportunity Now Program, a program led by Workforce Midsouth and funded through the EDA Good Jobs Challenge. The program is designed to create an accelerated training program for individuals needing to gain sufficient knowledge and/or skills to qualify for jobs in one of three sectors: 1) Logistics Technology; 2) Advanced Manufacturing; 3) Construction.



INTEGRIT-E Partners Lead a Panel on Regional Opportunity. Pictured left to right, Codney Washington, Go Forward Pine Bluff/The Generator, Almeshia Campbell, Jackson State University, Adrienne Cooper, CREOPP Program Director, Ernest Strickland, Black Business Association of Memphis, Cassandra Williams, Hope Enterprise Corporation/Hope Credit Union

Capacity Research Equity Opportunity Pilot Project (CREOPP):

To bring transformational change to communities in the Delta region, we need to win grants. Yet, most communities in our region are under-resourced, and do not have the resources to apply for, win, and manage grants. CREOPP provides intensive support to help communities secure grant funding and achieve equitable and sustainable growth which helps the Delta to thrive.

There have been attempts by Federal agencies to connect rural and disadvantaged communities to funding opportunities, but simply connecting these communities to funding is not enough. Through the CREOPP program, the UofM is partnering with rural communities in the Delta region to identify funding, write the grant applications, and advise on establishing the partnerships and processes that ensure the sustainability of funding into the future. The pilot community participants are:

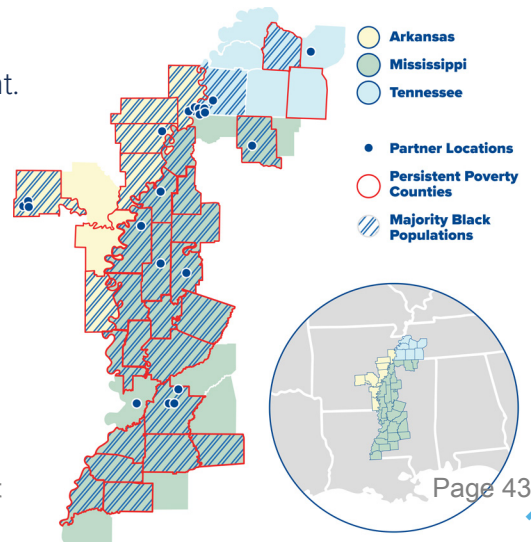
- » AR: Helena, Osceola, Eudora
- » MS: Hazlehurst, Port Gibson, Tunica
- » TN: Brownsville, Whiteville

The goal of the program is to secure federal funding within 18 months of initial participation from federal granting agencies. By approaching the challenges of the Delta region through a regional collaboration centered on partnership that creates sustainable wealth, we can make progress towards overcoming pervasive poverty especially in minority and rural communities.

The CREOPP Program includes modules on impact investing, rural development, and strategic grantsmithing skill development.

Building Regional "Integrity":

To strengthen regional collaboration, the University of Memphis led the development of a consortium of institutions across 43 counties in the Delta. The Innovation Through Entrepreneurship Guided by Industry, Technology, and Equity (INTEGRIT-E -pronounced integrity) brought together over 75 organizations across the Delta to examine big trends and challenges. Over six grants have been submitted to extend this effort, including CREOPP mentioned above.



Center for Community Research and Evaluation (CCRE)

The mission of the Center for Community Research and Evaluation (CCRE) is to provide interdisciplinary social science research and evaluation support for community-based projects. The Center for Community Research and Evaluation (CCRE) at the University of Memphis strives to be the leading source of expertise on community transformation in the Mid-South. The center serves as a vital partner in research and evaluation of community-based projects, provides consulting services and conducts original research in the areas of rural and urban poverty, education, and health.

The CCRE partnership with Delta Health Alliance helps to address major challenges in the region. The partnership includes comprehensive service and support of the DHA's mission to improve the health and education of the men, women, and children who make the Mississippi Delta their home. Recently the partnership has worked on the Delta Futures program, which has effectively reduced teen pregnancy in the region. Overall, the most intensely served counties across the Delta have more than doubled the chances of a sharp decline in teen pregnancies than their lesser served counterparts, providing strong evidence for the effectiveness of this program.



Urban-Rural Systems Research Coordination Network

The Mississippi River is an economic and environmental ecosystem that stretches from the Gulf of Mexico to Northern Minnesota. Across the whole region, common challenges persist:

- » Urban and suburban sprawl;
- » Disconnected food, energy, and water systems;
- » Frequent floods and uncontrolled water runoff;
- » Urban heat-induced hospitalizations;
- » Lack of ecosystem services; and
- » Climate change impacts.

The University of Memphis Design Collaborative has partnered with others in the region to consider land policy issues that impact the urban-rural interface, including land use and zoning, urban density and floor area ratios, land use patterns, urban nature, urban expansion plans, building designs and infrastructure, as well as urban ecosystems, biodiversity and climate adaptation. The University of Memphis' Drs. Andy Kitsinger and Charlie Santo will lead the Memphis section along with colleagues in Baton Rouge, St. Louis, and Minneapolis.

Researchers plan for this project to lead to new regional policies and government actions that can create more resilient and sustainable environments for people living in the Mississippi River basin and





CULTIVATING A DYNAMIC RESEARCH ECOSYSTEM

- » UMRF Research Park
- » UMRF Ventures
- » Phi Kappa Phi Innovation in Excellence Award Semifinalist
- » American Association of State Colleges and Universities Award
- » APLU Innovation Award Finalist
- » 21 Licensed Technologies
- » Patents2Products (P2P)
- » Seven companies launched



DEEP SCIENCE ENTREPRENEUR POST-DOC FELLOWSHIPS



TECHNOLOGY TRANSFER HIGHLIGHTS

- » **Efficient Forwarding Information Base Caching System and Method**
by Lan Wang, U.S. Patent 11,489,771 (11/1/2022)
- » **Multi-user Permission Strategy to Access Sensitive Information (*Shared Trust*)**
by Dipankar Dasgupta, U.S. Patent 11,503,035 (11/15/2022)
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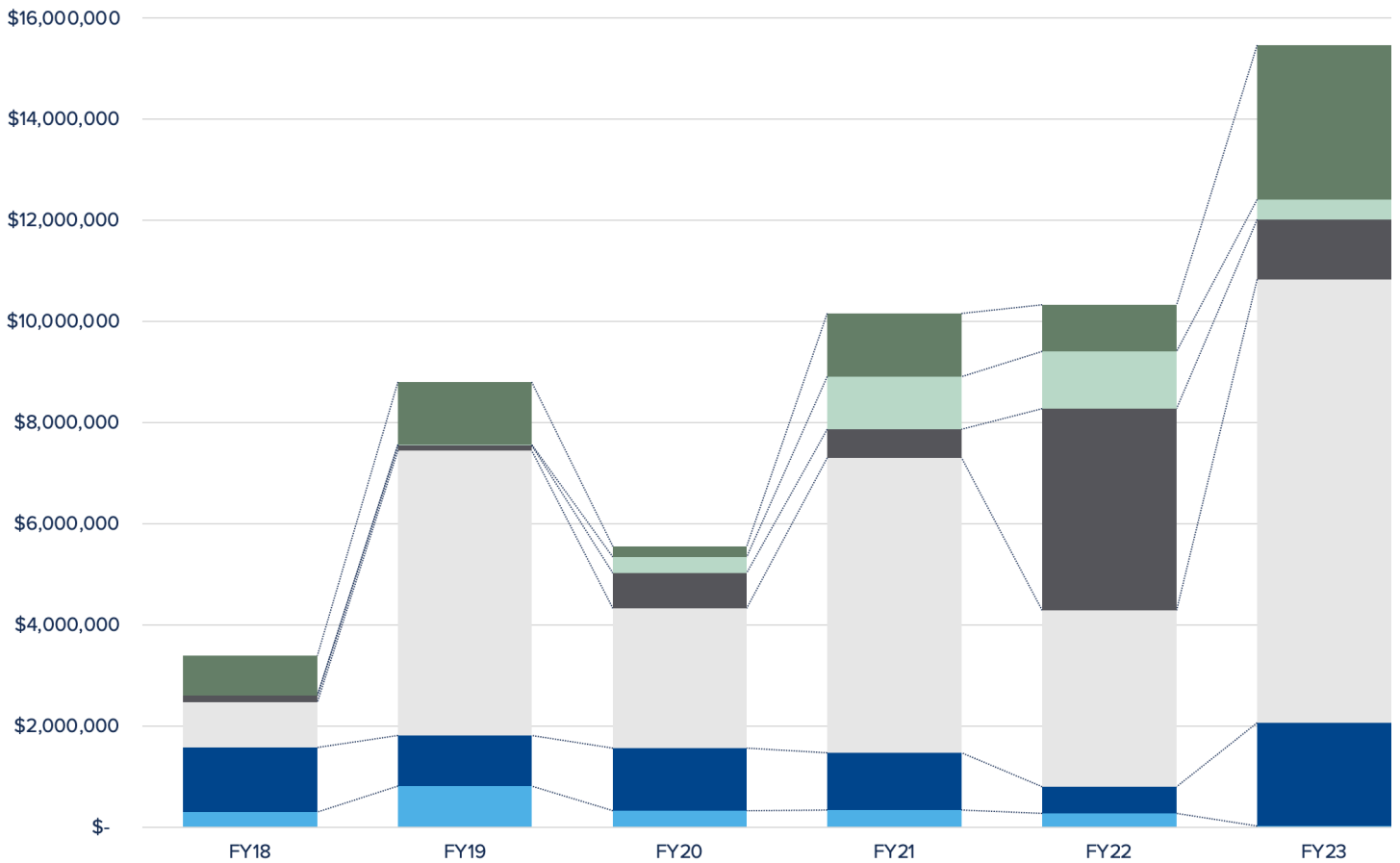
Taylor & Francis
Taylor & Francis Group



Ranganathan Gopalakrishnan, Mechanical Engineering. Dr. Gopalakrishnan received the University's first DoE Career award in 2020. He has since gone on to pioneer work with the DoD and DoE on dusty plasmas for large scale materials synthesis.

PROGRESS OF STEM ACADEMIC UNITS

Engineering Departments



College of Engineering

Biomedical Engineering

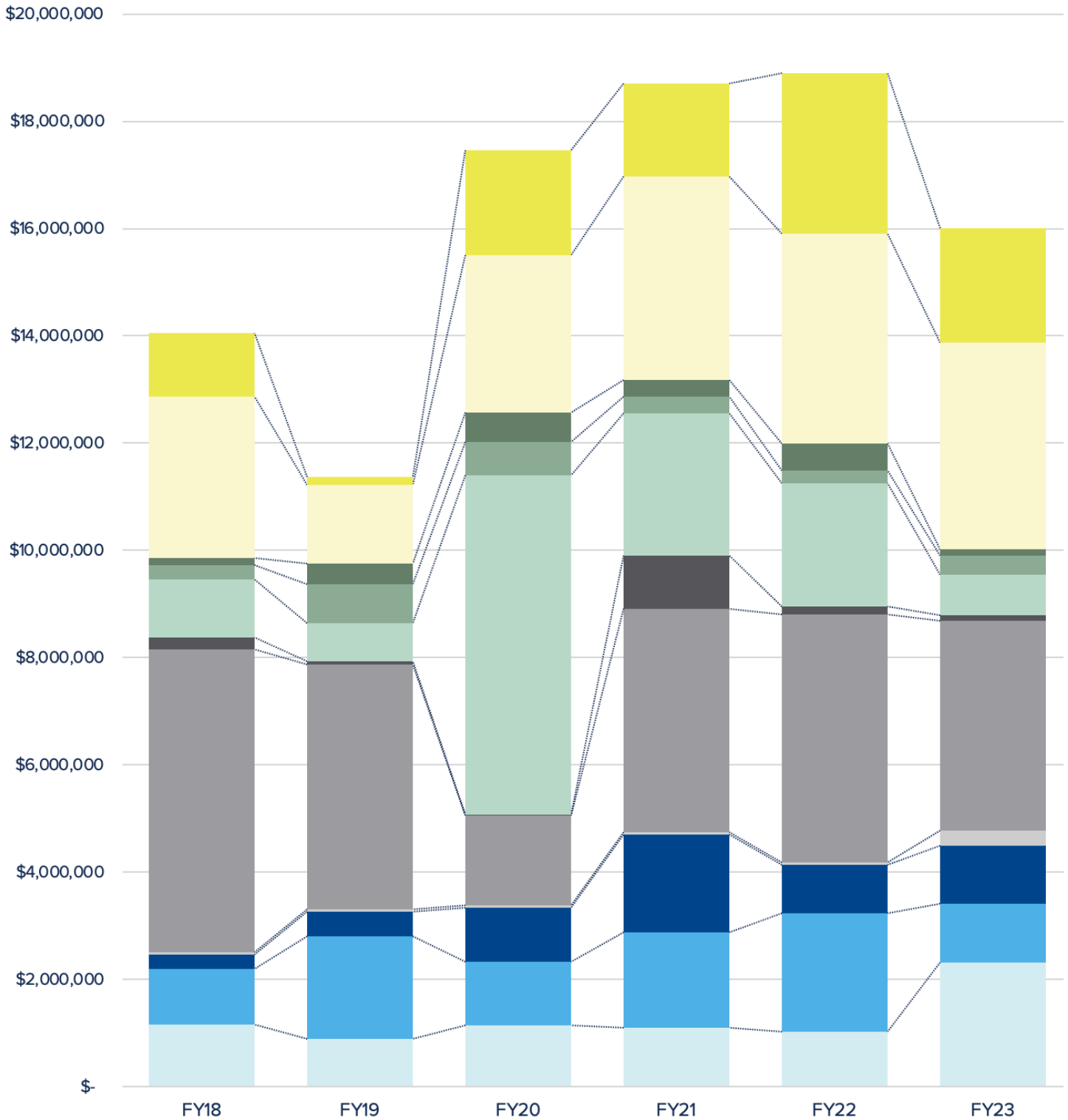
Civil Engineering

Electrical and Computer Engineering

Engineering Technology

Mechanical Engineering

Arts and Sciences Departments



- Biology
- Center for Earthquake Research & Information
- Chemistry
- College of Arts and Sciences
- Computer Science
- Earth Sciences
- Institute For Intelligent Systems
- Mathematics
- Physics and Materials Science
- Psychology
- Social Work

Principal Investigators with \$500K+ in Awards

*Note: \$\$ obligated amount in FY

FY21 Faculty		FY 22 Faculty		FY 23 Faculty	
Marshall, Melissa	\$4,919,560	Jacobs, Eddie	\$3,231,722	Irwin, Richard	\$26,896,151
Casey, Laura	\$3,140,880	Waldron, Brian	\$2,245,011	Joshi, Ashish	\$8,758,721
Waldron, Brian	\$2,828,561	Neely-Barnes, Susan	\$1,558,317	Waldron, Brian	\$4,473,617
Kumar, Santosh	\$2,398,500	Dasgupta, Dipankar	\$1,265,422	James, Wesley	\$2,181,986
Rus, Vasile	\$1,707,863	Whittaker, Jeremy	\$1,264,215	Whelan, James	\$1,970,290
James, Wesley	\$1,486,806	Yang, Kan	\$1,261,161	Foti, Daniel	\$1,695,800
Boykins, Anita	\$1,360,830	Collins, Tracy	\$1,257,855	Papadopoulos, Christos	\$1,430,745
Gopalakrishnan, Ranganathan	\$1,114,477	Kumar, Santosh	\$1,232,151	Kraiger, Kurt	\$1,400,393
Neely-Barnes, Susan	\$1,095,290	Whelan, James	\$1,205,000	Ivey, Stephanie	\$1,372,094
Berisso, Kevin	\$1,035,237	Irwin, Richard	\$1,120,905	Kumar, Santosh	\$1,318,430
Ivey, Stephanie	\$1,028,849	Withers, Mitchell	\$1,058,028	Neely-Barnes, Susan	\$1,318,178
Ozdenrol, Esra	\$1,000,000	Bekis, Barbara	\$945,839	Emmert, Gary	\$1,287,112
Murphy, James	\$889,701	LeDoux, Mark	\$911,040	Casey, Laura	\$1,173,752
Wang, Lan	\$865,000	Hirschi, Melissa	\$844,097	Mishra, Sabyasachee	\$1,003,825
Withers, Mitchell	\$841,311	Zoblotsky, Todd	\$823,783	Ali, Mohd	\$953,000
Salehi Esfandarani, Maryam	\$827,197	Smeltzer, Matthew	\$803,553	Gopalakrishnan, Ranganathan	\$833,217
Fagan, Thomas	\$770,364	Levy, Marian	\$776,757	Mandel, Jennifer	\$811,531
Hunter, William	\$750,000	Goebel, Thomas	\$769,960	Herickhoff, Carl	\$810,686
Zhao, Xuan	\$726,990	Rus, Vasile	\$715,941	Levy, Marian	\$786,263
Rudd, Loretta	\$694,845	Hunter, William	\$700,000	Bloomer, Richard	\$754,448
Parrill-Baker, Abby	\$651,741	Bloomer, Richard	\$698,342	Withers, Mitchell	\$716,729
Karmaus, Wilfried	\$589,485	Rudd, Loretta	\$684,209	Hunter, William	\$700,000
Santo, Charles	\$575,537	Ivey, Stephanie	\$640,028	Pichon, Latrice	\$679,459
Harding, Melvyn	\$536,993	Parrill-Baker, Abby	\$628,317	Anderson, Celia	\$652,440
Smeltzer, Matthew	\$532,965	Pichon, Latrice	\$628,285	Pence, Brandt	\$652,164
Mishra, Sabyasachee	\$519,359	McGinnis, James	\$599,997	Whittaker, Jeremy	\$648,000
Pichon, Latrice	\$505,336	Clark, Kensha	\$590,000	Smeltzer, Matthew	\$637,081
Sutter, Thomas	\$502,250	West, Steven	\$566,365	Sajja, Aaryani	\$609,976
		Sabatini, John	\$556,777	Gkolias, Michail	\$597,272
		Harding, Melvyn	\$536,993	Harding, Melvyn	\$536,993
		Berisso, Kevin	\$533,971	Sabatini, John	\$533,029
		Kedia, Satish	\$518,555	Rudd, Michael	\$513,967
		McKenna, Duane	\$506,597	Luu, Linh	\$500,000
		Murphy, James	\$501,805		

Research Units with \$1M+ in Awards

*Note: \$\$ is obligated amount in FY

Research Unit	FY18	FY19	FY20	FY21	FY22	FY23
UofM Global					\$445,000	\$26,898,504
School of Public Health	\$704,122	\$421,778	\$437,079	\$308,149	\$428,011	\$9,157,638
CAESER	\$351,304	\$3,639,421	\$964,278	\$2,928,579	\$2,391,309	\$5,336,127
Computer Science	\$5,643,879	\$4,558,806	\$1,675,828	\$4,157,486	\$4,517,323	\$3,919,426
Psychology	\$2,828,440	\$1,294,557	\$2,758,135	\$3,611,995	\$3,915,705	\$3,854,061
Instruction and Curriculum Leadership	\$1,525,398	\$1,652,731	\$1,884,702	\$3,890,880	\$984,096	\$3,244,619
Mechanical Engineering	\$781,565	\$1,242,584	\$212,712	\$1,250,767	\$909,745	\$3,045,530
Biology	\$1,150,836	\$893,769	\$1,137,560	\$1,093,838	\$1,020,292	\$2,306,784
Sociology	\$303,163	\$379,613	\$370,676	\$1,486,806	\$234,490	\$2,161,986
Social Work	\$1,190,317	\$142,500	\$1,951,753	\$1,738,217	\$2,987,173	\$2,137,455
Biomedical Engineering	\$1,277,712	\$997,911	\$1,236,040	\$1,142,052	\$522,945	\$2,041,355
College of Health Sciences				\$64,761	\$1,000,873	\$1,795,441
Social and Behavioral Sciences	\$158,980	\$618,677	\$738,670	\$787,778	\$1,547,681	\$1,555,921
Management						\$1,548,413
C-TIER					\$322,527	\$1,471,098
School of Urban Affairs and Public Policy			\$525,000	\$1,100,537	\$775,757	\$1,242,933
Electrical and Computer Engineering	\$73,828	\$103,586	\$691,932	\$374,970	\$3,974,650	\$1,177,558
Center for Earthquake Research & Information	\$1,043,633	\$1,899,837	\$1,180,062	\$1,782,242	\$2,016,646	\$1,093,129
Chemistry	\$271,257	\$467,608	\$1,017,346	\$1,827,035	\$908,635	\$1,086,610

COMMUNITIES OF RESEARCH SCHOLARS (CORS)

FY23 Awarded Projects

Identifying Opportunities for Renewables and Energy Storage in the Mid-South

Alexander Headley, *Mechanical Engineering*

The Language of Science: Implications for Teaching and Learning

Alistair Windsor, *Institute for Intelligent Systems*

Creating a Culturally Adapted Social-Emotional Learning Curriculum: DBT STEPS-A with Black/African American Adolescents

Amanda Hasselle, *Psychology*

Establishing an Interdisciplinary Research Collaboration in the Fields of Machine Learning and Additive Manufacturing

Amir Hadadzadeh, *Mechanical Engineering*

Investigation of a Multiplexed Wearable Sensor to Identify Engineering Undergraduate Students at Risk in Their Major by Means of Artificial Intelligence

Ana Doblas, *Electrical and Computer Engineering*

Exploring Synergies in Astrophysical and Engineering Simulation

Benjamin Keller, *Physics and Materials Science*

Campus Dating Violence Collaborative

Bernadette Ombayo, *Social Work*

Climate, Environmental, and Energy Justice Research (CEEJR)

Chunrong Jia, *Environmental Health*

Passport to Teach and Learn: UofM Interdisciplinary Training for Graduate Teaching Assistants and New Non-Tenured Faculty

Crystal White, *Educational Psychology and Research*

Identifying the Potential Determinants of Death among Hypertension Patients while Staying at the Hospital using Publicly Available Clinical Datasets

Faruk Ahmed, *Engineering Technology*

Regional Strategy for Regenerative Agriculture and Innovation

Leah Windsor, *Institute for Intelligent Systems*

Supporting Data Collection Process: Evaluating Communication Strategies to Reduce Distracted Driving Among Adolescents

Maria Jaramillo and Subhash Jha, *Marketing and Supply Chain Management*

Virtual Reality Working Group

Marika Snider, *Architecture*

The Annual Memphis Neuroscience Symposium

Nicholas Simon and Miriam van Mersbergen, *School of Communication Sciences and Disorders*

Exploring the Role of Social Determinants of Health on Sepsis 90-day Sepsis Readmissions

Reba Umberger, *Nursing*

An Interdisciplinary Research to Incorporate Machine Learning Techniques in Mechanical and Fatigue Life Predictions of Additive Manufactured Materials

Reza Molaei, *Mechanical Engineering*

Research on Intimate Partner Violence Collaborative

Sarah Leat, *Social Work*

The Tiger Blueprint: Building Extended Learning Programs through the Cypher Code Collective

William Hunter, *Special Education*

Metadata-aware Imbalance Modeling for Clinical Outcome Assessment

Xiaolei Huang, *Computer Science*

Designing A Culturally Tailored Diet Management Application for Type 2 Diabetic Patients

Yafang Li, *Department of Business Information Technology*

Aerogel-Based Acoustic Tumor-on-a-Chip Model for Cancer Metastasis Research,

Yuan Gao, *Mechanical Engineering*



Eddie Jacobs, EECE. Dr. Jacobs is pioneering sensor-based multi-drone analysis. With both defense and agricultural applications, his work is advancing Memphis as a destination for unmanned systems solutions (pictured with fixed wing drone).

FIRST-TIME PRINCIPAL INVESTIGATORS FOR FY23

Celia Anderson, *Instruction and Curriculum Leadership*

Leigh Boardman, *Biological Sciences*

Michelle Brasfield, *Counseling, Educational Psychology & Research*

Jamie Brunson, *College of Health Sciences*

Melanie Burgess, *Counseling, Educational Psychology & Research*

Qianyi Cheng, *Chemistry*

Daniel Collier, *Leadership*

Mohammadreza Davoodi, *Electrical and Computer Engineering*

Anna Falkner, *Instruction and Curriculum Leadership*

Lindsey Feldman, *Anthropology*

Mark Gillenson, *Fogelman College of Business Economics*

Alexandrea Golden, *Psychology*

William Jackson, *Earth Sciences*

Subhash Jha, *Marketing & Supply Chain Management*

Kristen Jones, *Management*

Ashish Joshi, *School of Public Health*

Kurt Kraiger, *Management*

Philip Kunz, *School of Accountancy*

Rebecca Laumann, *International Programs*

Jose Lopez, *Economics*

Linh Luu, *Health Center*

Brian Meredith, *Graduate Programs*

Patrick Murphy, *Counseling, Educational Psychology & Research*

Cynthia Muzzi, *Center for Research in Educational Policy*

Suzanne Onstine, *History*

Viktoriya Pleshkan, *Loewenberg College of Nursing*

Caitlin Porter, *FCBE Academic Administration*

Sandra Richardson, *Fogelman College of Business Economics*

Nichelle Robinson, *College of Education*

Scott Schoefernacker, *CAESER*

Gary Stinchcomb, *Earth Sciences*

William Thompson, *College of Arts and Sciences*

Gina Tillis, *Instruction and Curriculum Leadership*

Sharon Wrobel, *Public and Nonprofit Administration*

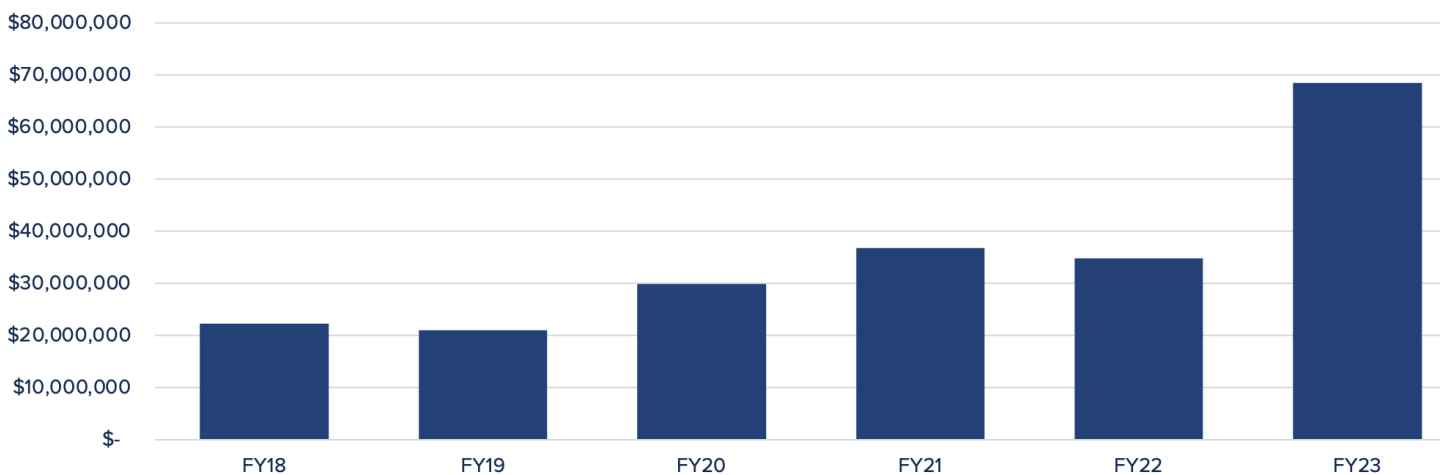
Mohammed Yeasin, *Electrical and Computer Engineering*

Velma Zahirovic-Herbert, *Fogelman College of Business Economics*

Xiaofei Zhang, *Computer Science*

DETAILED VIEW | FEDERAL AWARDS

*Note: \$\$ is obligated amount in FY



Federal Funding By Source

Funding Source	FY18	FY19	FY20	FY21	FY22	FY23
U.S. Department of Health and Human Services	\$359,374	\$401,400	\$660,321	\$2,030,801	\$598,901	\$25,447,360
Centers For Disease Control				\$599,217	\$1,431,937	\$10,871,089
National Science Foundation	\$2,772,267	\$3,728,217	\$8,549,222	\$8,919,989	\$6,711,757	\$6,783,826
National Institutes of Health	\$6,881,989	\$7,029,329	\$6,759,200	\$6,573,211	\$4,318,128	\$5,739,078
U.S. Economic Development Administration				\$490,833		\$3,296,544
Health Resources and Services Administration	\$970,591	\$12,143	\$3,604,701	\$3,784,476	\$6,356,954	\$2,753,764
U.S. Department of Education	\$3,409,391	\$2,251,692	\$4,522,972	\$6,279,542	\$3,634,096	\$2,665,265
Federal Highway Administration	\$49,952	\$40,328				\$1,384,896
U.S. Army Research Office	\$122,961	\$83,494	\$98,634	\$147,465	\$2,707,364	\$1,222,623
Office of Naval Research	\$323,824	\$60,000	\$411,453	\$50,000	\$120,176	\$1,039,824
U.S. Geological Survey	\$914,068	\$1,772,183	\$993,862	\$1,190,591	\$1,462,308	\$1,021,631

Top 10 Federally Funded Projects By Fiscal Year

*Note: \$\$ is obligated amount in FY

FY22

Multi-UAS Multi-Sensor Intelligence, Surveillance, and Reconnaissance (ISR) | Eddie Jacobs
\$2,707,364

Supporting the Retention of Next Generation Registered Nurses (STRONG-RNs) | Jeremy Whittaker
\$1,264,215

CyberCorps: New Scholarships for Service (SFS) Program at the University of Memphis | Kan Yang
\$1,261,161

Health, Education, and Access for Rural Tennesseans (HEART) | Tracy Collins
\$1,257,855

mHealth Center for Discovery, Optimization & Translation of Temporally-Precise Interventions (mDOT) (multi-year award) | Santosh Kumar
\$1,154,454

Cybersecurity Education for Critical Infrastructure Protection (in Community Development) through Regional Coalition | Dipankar Dasgupta
\$1,014,076

INTEGRATE (INterprofessional TEams GRounded in Apprenticeship, Telehealth, and Evidence) | Susan Neely-Barnes
\$931,153

External Evaluator - ERVA: The Vision for Engineering Leadership -a Multi-sector Alliance (VELMA) | Todd Zoblotsky
\$799,798

Operation of the Mid-America Integrated Seismic Network 2020-2024 (CERI) (multi-year award) | Mitchell Withers
\$702,675

iCODE: Investigating and Scaffolding Students' Code Comprehension Processes To Improve Learning, Engagement, and Retention | Vasile Rus
\$650,600

FY23

Growing Relational and Occupational Wealth in West Tennessee Households | Richard Irwin
\$25,000,000

Center for Public Health Informatics, Data, Equity, Analytics, and Systems (PH-IDEAS) | Ashish Joshi
\$8,739,721

Forward Now | Richard Irwin
\$1,896,151

Black Wealth Advancement through New Business and Knowledge Development (BANK) | Kurt Kraiger
\$1,400,393

mHealth Center for Discovery, Optimization & Translation of Temporally-Precise Interventions (mDOT) (multi-year award) | Santosh Kumar
\$1,143,420

Collaborative Research: CCRI: NEW: Open Community Platform for Sharing Vehicle Telematics Data for Research and Innovation | Christos Papadopoulos
\$871,098

Cavitation Erosion: Model to Full Scale | Daniel Foti
\$830,000

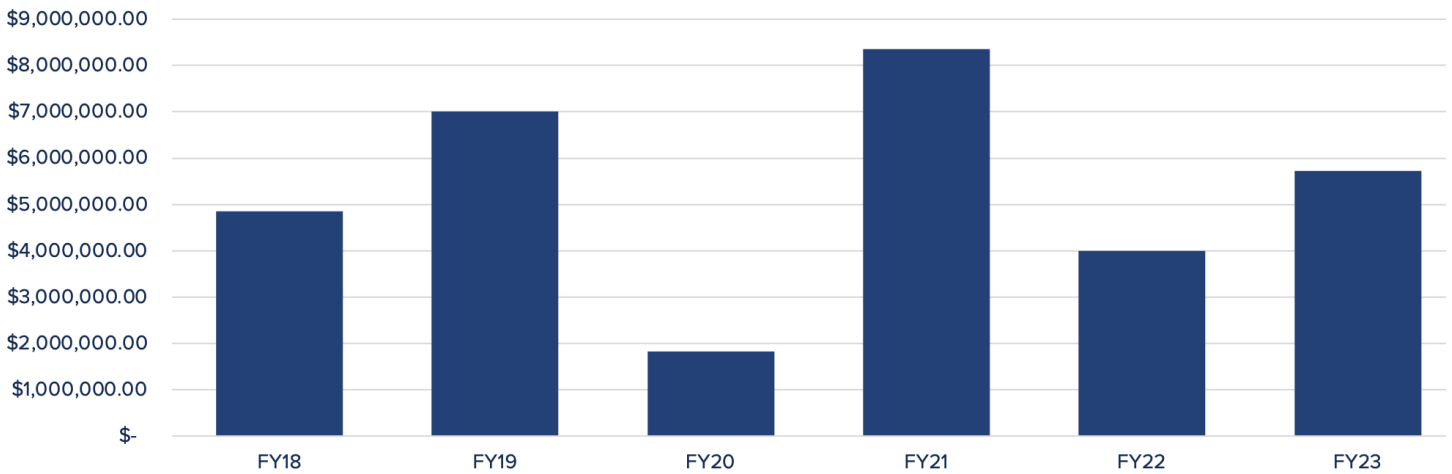
Collaborative Research: RESEARCH-PGR: Comparative Genomics of the Capitulum: Deciphering the Molecular Basis of a Key Floral Innovation | Jennifer Mandel
\$811,531

Theoretical and Experimental Investigation of Grain Charging, Coagulation and Heating in Dense Non-thermal Dusty Plasmas for Large Scale Materials Synthesis | Ranganathan Gopalakrishnan
\$725,689

UofM Home/Community Based Early Intervention (HCBEI) Services | Laura Casey
\$718,212

DETAILED VIEW | STATE AWARDS

*Note: \$\$ is obligated amount in FY



State Funding By Source

Funding Source	FY18	FY19	FY20	FY21	FY22	FY23
TN Department of Mental Health and Substance Abuse Services	\$185,070	\$187,752	\$180,000	\$360,000	\$1,205,000	\$2,095,290
Tennessee Department of Education	\$1,508,245	\$1,738,245	\$238,245	\$1,012,245	\$938,245	\$1,596,480
Tennessee Department of Agriculture			\$160,000	\$240,000		\$598,000
Tennessee Department of Transportation	\$998,569	\$4,150,941	\$194,794	\$5,655,715	\$711,023	\$477,974
State of Tennessee	\$1,206,482	\$230,914	\$360,027	\$179,168	\$299,200	\$281,374
West Tennessee River Basin Authority				\$165,000		\$176,784
Tennessee Higher Educ Commission	\$363,131	\$138,555	\$121,800	\$152,300	\$217,500	\$153,083
Virginia Department of Education					\$92,308	\$99,197
University of Tennessee Health Science Center	\$129,808	\$240,472	\$24,941		\$56,880	\$60,941
Paris Special School District						\$56,060
Mississippi Soybean Promotion Board						\$48,947
Tennessee Department of Commerce and Insurance	\$77,874	\$54,217	\$47,548	\$50,730	\$36,484	\$42,214
University of Tennessee - Knoxville	\$32,829				\$15,000	\$30,000
Tennessee Technological University						\$2,353

Top 10 State Funded Projects By Fiscal Year

*Note: \$\$ is obligated amount in FY

FY22

Change the odds: a multi platform approach to gambling treatment *(multi-year award)* |

James Whelan

\$1,205,000

Multi-Tiered Systems of Support for Behavior and Academics *(multi-year award)* |

William Hunter

\$700,000

University of Memphis, Byway Management Program | Richard Irwin

\$675,905

TN Governor's School for International Studies |

Keri Brondo

\$238,245

Administration of the Minority Engineering Scholarship | Isaiah Surbrook

\$205,000

CoM Stormwater GIS reintegration *(multi-year award)* | Brian Waldron

\$190,000

GIVE 2.0 | Bradley Harrell

\$150,000

Loewenberg College of Nursing - Lactation Support Program | Genae Strong

\$148,300

Virginia 21st CCLC 2022 | Jack Strahl

\$92,308

TN Doctoral Scholars program | Robin Poston

\$67,500

FY23

Change the odds: a multi platform approach to gambling treatment *(multi-year award)* |

James Whelan

\$1,970,290

Multi-Tiered Systems of Support for Behavior and Academics *(multi-year award)* | William Hunter

\$700,000

University of Memphis College of Education Grow Your Own Program | Celia Anderson

\$652,440

TDA Phase 2 | Brian Waldron

\$598,000

Stormwater Conveyance from Bridge Decks |

Claudio Meier

\$337,975

Governor's School for International Studies |

William Thompson

\$238,245

BlueOval Muddy Creek | Brian Waldron

\$176,784

CoM Stormwater GIS reintegration *(multi-year award)* | Brian Waldron

\$172,174

Public Behavioral Health Workforce Recruitment and Outreach Initiative | Susan Elswick

\$125,000

Informed Safety, Mobility, and Driver Comfort Enhancement Practices for Work Zones:

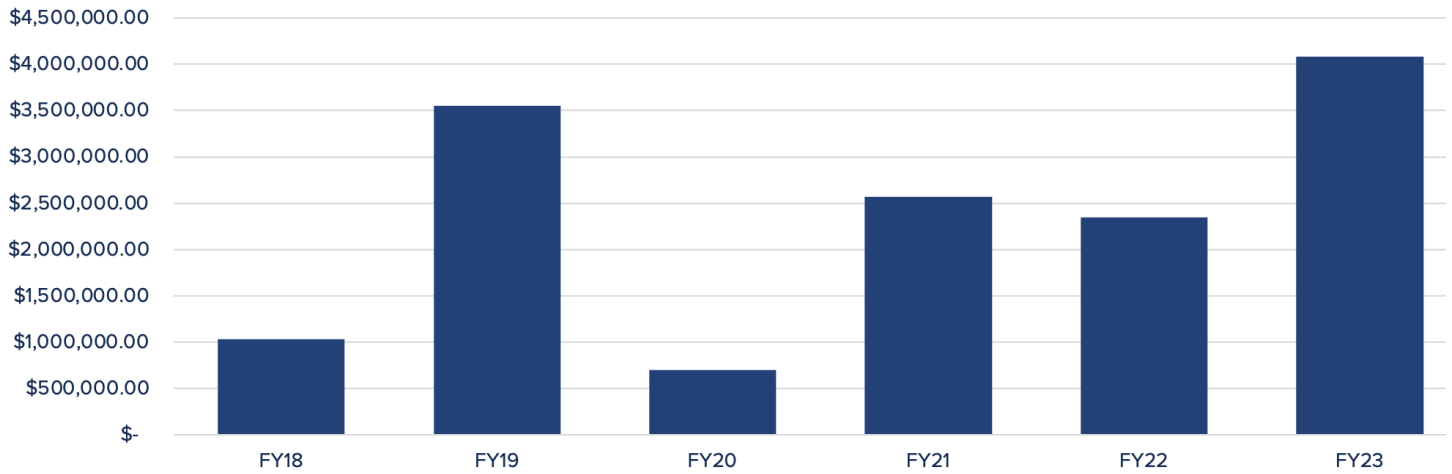
Learnings from High-Fidelity Data |

Sabyasachee Mishra

\$99,999

DETAILED VIEW | LOCAL PUBLIC AWARDS

*Note: \$\$ is obligated amount in FY



Top Local Public Funding Sources for Research

Funding Source	FY18	FY19	FY20	FY21	FY22	FY23
Memphis Light Gas and Water		\$2,235,000		\$1,509,000	\$1,642,887	\$2,720,798
Shelby County Government	\$37,092	\$29,000			\$35,000	\$350,000
City of Collierville	\$9,500	\$9,500	\$41,500	\$41,500	\$73,500	\$305,864
Shelby County Schools		\$316,248	\$4,261	\$90,898	\$133,340	\$169,886
City of Bartlett	\$16,100	\$16,100	\$16,100	\$16,100	\$16,100	\$132,200
Memphis Area Transit Authority	\$127,209		\$107,458	\$120,000		\$129,999
City of Millington	\$10,000		\$5,000	\$10,000	\$5,000	\$96,313
Great Lakes Water Authority						\$84,444
Shelby County Community Services Agency					\$24,960	\$49,999
City of Germantown	\$16,100	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000

Top 10 Locally Funded Projects By Fiscal Year

*Note: \$\$ is obligated amount in FY

FY22

- MLGW Aquitard Year 4 *(multi-year award)* | Brian Waldron
\$1,342,887

- City of Memphis Neighborhood Preservation Clinic | Daniel Schaffzin
\$314,333

- MLGW General | Brian Waldron
\$300,000

- SCS Culinary Arts Program at Bolton High *(multi-year award)* | Radesh Palakurthi
\$94,000

- Collierville GW Quality Research | Daniel Larsen
\$64,000

- BCS 2.0 | Brian Waldron
\$56,580

- Germantown GW Support | Brian Waldron
\$45,000

- SCS-Bolton HS Ambassadors | Stephanie Ivey
\$39,340

- Why Do Individuals Continue to Engage in Violent Crime?: Expected Early Death and Crime Desistance in Memphis | William Gibbons
\$35,000

- Evaluation of Shelby County Youth Assessment Center | Timothy McCuddy
\$24,960

FY23

- MLGW General WHPP | Brian Waldron
\$1,625,000

- MLGW Aquitard Year 5 *(multi-year award)* | Brian Waldron
\$1,095,798

- Groundwater Monitoring Network and Public Education on Water in Shelby County | Scott Schoefernacker
\$350,000

- Collierville Water Quality | Daniel Larsen
\$166,147

- Town of Collierville Wellhead Protection and Support Services | Brian Waldron
\$139,717

- City of Bartlett Wellhead Protection and Support Services | Brian Waldron
\$132,200

- Asset Management Plan for Memphis Transit Fleet | Sabyasachee Mishra
\$129,999

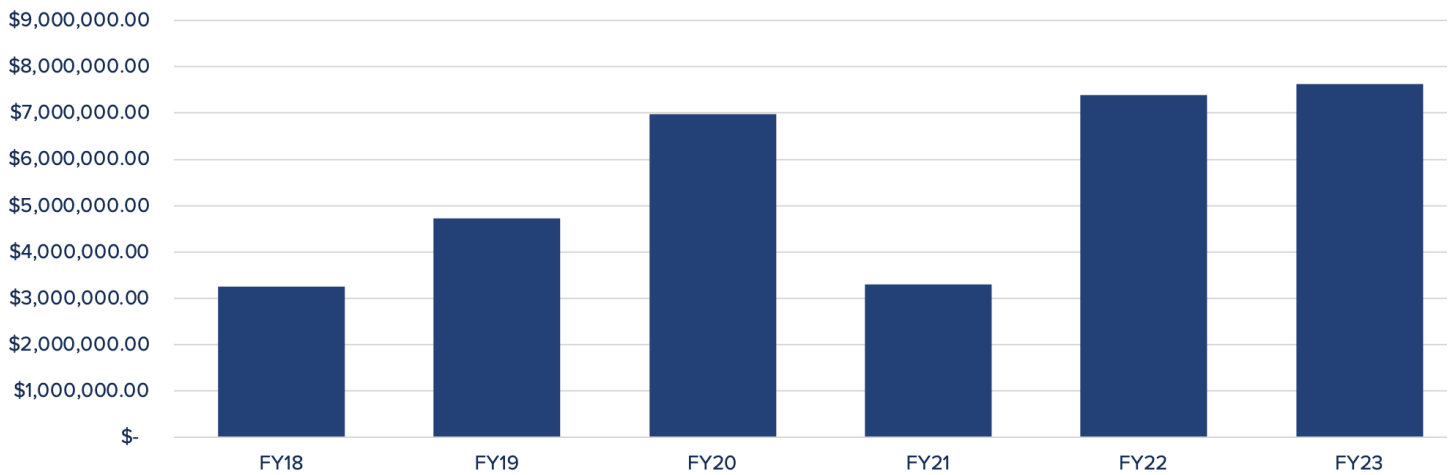
- Millington Wellhead Protection, Education Outreach and Water Quality | Brian Waldron
\$96,313

- SCS Culinary Arts Program at Bolton High *(multi-year award)* | Radesh Palakurthi
\$94,000

- Investigating the Occurrence of Microplastic Pollution within the Biosolids of Wastewater Treatment Plants | Farhad Jazaei
\$84,444

DETAILED VIEW | CORPORATE & FOUNDATION AWARDS

*Note: \$\$ is obligated amount in FY



Top Corporate & Foundation Funding Sources for Research

Funding Source	FY18	FY19	FY20	FY21	FY22	FY23
Delta Health Alliance						\$2,161,986
Memphis and Shelby Crime Commission			\$525,000	\$525,000	\$525,000	\$1,242,933
Liquid IV						\$540,349
GS1 US Incorporated						\$405,000
FedEx Corporate Services	\$50,000	\$199,000			\$230,000	\$397,084
The Urban Child Institute		\$271,119	\$2,276,962	\$1,214,095	\$2,171,600	\$350,000
Conch Technologies		\$656,160	\$379,734	\$227,272	\$269,848	\$212,583
Trustees of Boston College						\$200,000
Hyundai Motor Company					\$157,200	\$163,000
American Institutes for Research						\$143,437
The Commonwealth Fund		\$18,050				\$112,885
Epicenter		\$510,000				\$112,800
Battelle		\$15,870	\$15,938	\$57,888	\$50,993	\$104,175
Kemmons Wilson Family Foundation						\$103,000

Top 10 Corporate & Foundation Funded Projects By Fiscal Year

*Note: \$\$ is obligated amount in FY

FY22

Peer Power Institute | Barbara Bekis
\$945,839

Community Partnership to Enhance Kindergarten
Readiness Through Quality Caregiver/Parent-
Child Interactions | Loretta Rudd
\$553,876

Public Safety Institute (multi-year award) |
Abby Parrill-Baker
\$525,000

MLP/Memphis CHiLD (multi-year award) |
Kathryn Ramsey
\$436,870

School Mental Health Access to Resources
through Teletherapy (SMART) Research, Training,
and Treatment Center | Susan Elswick
\$356,875

Fostering Resilience and Well-being in the
Pediatric Trauma Population: Counseling
Interventions for an At-Risk Population |
Eraina Schauss
\$350,000

University of Memphis: Eradicating Systemic
Racism and Promoting Social Justice through
Academic Public Health | Marian Levy
\$273,060

Digital Inclusion in South City-Phase II |
Gregory Washington
\$250,757

Improving FedEx Supply Chain Demand
Forecasting in Turbulent Environments |
Huigang Liang
\$230,000

Master - MLGW GSR (multi-year award) |
Brian Waldron
\$227,348

FY23

Evaluation of Health and Educational
Interventions | Wesley James
\$2,161,986

Public Safety Institute (multi-year award) |
Gary Emmert
\$1,242,933

A Randomized, Placebo Controlled, Semi-Blind,
Crossover Study to Evaluate the Effects of
Two Novel Hydration Beverage Formulas on
Rehydration in Healthy Adults | Richard Bloomer
\$540,349

GS1 US Bar Code Test Lab | Kevin Berisso
\$405,000

Designing Machine Learning-based Solutions for
APT Detection | Kan Yang
\$397,084

MLP/Memphis CHiLD (multi-year award) |
Kathryn Ramsey
\$350,000

Master - MLGW GSR (multi-year award) |
Brian Waldron
\$212,583

PIRLS 2026 - Test Development | John Sabatini
\$200,000

Research on welding virtual predictive
technology to improve the robustness and
reliability of steel-based PBV | Ali Fatemi
\$163,000

AIR and University of Memphis AutoTutor Project
| Xiangen Hu
\$143,437

HIGH IMPACT SCHOLARS AT THE UOFM

Author Name	Department	Scopus H-Index
Bowlin, Gary L.	Biomedical Engineering	56
Fatemi, Ali	Mechanical Engineering	54
Sutter, Tom	Biological Sciences	54
Lasiecka, Irena	Mathematical Sciences	51
Ward, Kenneth D.	School of Public Health	48
Murphy, James G.	Psychology	47
Rudd, Michael David	Psychology	47
Huang, Xiaohua	Chemistry	46
Bollobas, Bela	Mathematical Sciences	45
Lindner, Ernő	Biomedical Engineering	43
Mishra, Sanjay R.	Physics	40
Oller, D. Kimbrough	Communication Sciences and Disorders	49
Triggiani, Roberto	Mathematical Sciences	40
Bumgardner, Joel David	Biomedical Engineering	39
Dasgupta, Dipankar	Computer Science	39
Skalli, Omar	Biological Sciences	39
Andrasik, Frank	Psychology	38
Gallagher, Shaun	Philosophy	38
Langston, Charles A.	Center for Earthquake Science and Information (CERI)	37
Liang, Huigang	Business Information Technology	36
Kumar, Santosh	Computer Science	35
Yang, Kan	Computer Science	35
Parrill, Abby L.	Chemistry	34
Lewis, Gladius	Mechanical Engineering	33
Zhang, Hongmei	School of Public Health	33
Smeltzer, Matthew	School of Public Health	30
Wang, Yongmei	Chemistry	30

Note on Citations: Citations in peer reviewed publications are a key metric for impact of research.

Note on H-index: H-index is an author-level metric that measures both productivity and citation impact of peer-reviewed scholarship. The h-index is defined as the maximum value of h such that the given author has published at least h papers that have each been cited at least h times. For example, an author with an h-index of 25 has at least 25 papers that were cited 25 times. The data for these h-index calculations was drawn from Scopus on 7/17/23.

Note on Reporting: All reported award amounts follow best practices at research institutions, are reported by report date and represent the entire amount reported. If, for example, you are awarded \$1M over three years and the report date reports the entire three year amount, then \$1M will be reported in the first year and no funds will be reported in subsequent years. If the report date on year one only shows the year one amount, then subsequent years will report their respective amounts. For questions, email research@memphis.edu.



UNIVERSITY OF MEMPHIS RESEARCH COUNCIL

The activities of the Division of Research & Innovation are guided by the UofM Research Council.

University of Memphis Research Council Membership Roster, 2022-2023

Dean's Representatives

Keri Brondo, *College of Arts and Sciences*
Jeremy Orosz, *College of Communication & Fine Arts*
Laura Casey, *College of Education*
Kurt Kraiger, *Fogelman College of Business
& Economics*
Stephanie Ivey, *Herff College of Engineering*
Cody Havard, *Kemmons Wilson School of Hospitality*
Jermain Johnson, *Lambuth Campus*
Alena Allen, *Law School*
Leanne Lefler, *Loewenberg College of Nursing*
Kim Oller, *School of Communication Sciences
& Disorders*
Brandt Pence, *School of Health Studies*
Hongmei Zhang, *School of Public Health*
Colin Chapell, *University College*
John Evans, *University Libraries*

Chairs/Centers of Excellence Representatives

Huigang Liang, *Business Information Technology*
Santosh Kumar, *Computer Science*
Chuck Langston, *Center for Earthquake Research
and Information*

At-Large Representatives

Alistair Windsor, *Institute for Intelligent Systems*
Brian Waldron, *CAESER*
Latrice Pichon, *School of Public Health*

Faculty Senate Representatives

Mihalis Gkolias, *Civil Engineering*
Amanda Young, *Communication & Film*
Reza Banai, *City and Regional Planning*
Jessica Amber Jennings, *Biomedical Engineering*
Eddie Jacobs, *Electrical/Comp Engineering*
Sanjay Mishra, *Physics*
Deborah Moncrieff, *School of Communication
Sciences & Disorders*

Faculty Representatives

Mehdi Amini, *Marketing & Supply Chain*
Gary Bowlin, *Biomedical Engineering*
Dipankar Dasgupta, *Computer Science*
Ali Fatemi, *Mechanical Engineering*
Rebecca Howard, *Art*
Chunrong Jia, *School of Public Health*
Satish Kedia, *School of Public Health*
Katherine Lambert-Pennington, *SUAPP*
Meghan McDevitt-Murphy, *Psychology*
Max Paquette, *School of Health Studies*
Donal Harris, *Marcus Orr Center*
Chrysanthe Preza, *Electrical/Comp Engineering*
Tom Sutter, *Biology*
Steve Zanskas, *CEPR*
Genae Strong, *Loewenberg College of Nursing*

THANK YOU

On behalf of the Division of Research and Innovation, we wish to thank the faculty and staff who make the research ecosystem at the University of Memphis a vibrant and dynamic place. The accomplishments of this past fiscal year and the next chapter of the University's growth are only possible because of your partnership and collaboration.



6. Additional Business

7. Adjournment