



RESEARCH &  
SPONSORED PROGRAMS  
TEXAS WOMAN'S UNIVERSITY

**2021 - 2022**  
**ANNUAL REPORT**

from the  
Vice Provost for Research, Innovation, and Corporate Engagement





# 2021-22 ANNUAL REPORT

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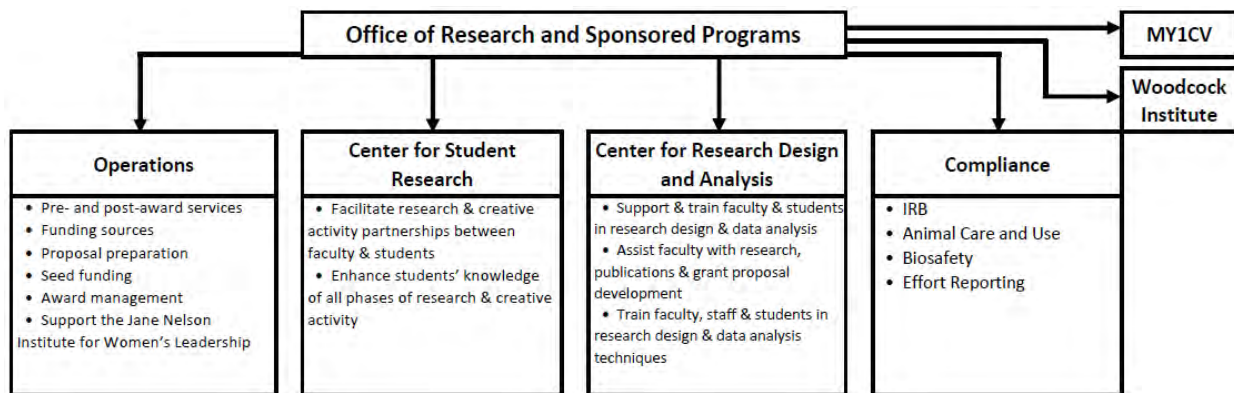
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**About the Office of Research and Sponsored Programs (ORSP)**



The Office of Research and Sponsored Programs (ORSP) is a centralized research administration office that provides direct support to researchers at TWU in various forms. Pre-award and post-award support is provided to TWU faculty, staff, and students who are seeking, or have received, external funding for their research and other sponsored programs. This support includes guideline review, proposal development, budget preparation, and proposal routing and submission. ORSP facilitates contract review, routing, and execution and matters of Intellectual Property. Working collaboratively with departments, ORSP provides support to funded researchers to assist with payroll, purchasing, travel, questions related to allowable costs, and reporting. To support faculty, ORSP manages a number of internal funding and incentive programs for faculty research. ORSP also supports the various compliance-related committees such as the Institutional Review Board, Institutional Animal Care and Use Committee, Institutional Biosafety Committee, and Radiation Safety Committee and provides scientific research equipment repair services.

## STAFF BY DEPARTMENT



Dr. Holly Hansen-Thomas,  
Vice Provost for Research,  
Innovation, and Corporate  
Engagement

### Operations



Tracy Lindsay, Director of  
Operations



Amy Layton, Internal Funding  
Operations Coordinator



Rocío Gutiérrez, Research  
Administration Specialist



Isaiah Walton, Scientific  
Equipment Repair Technician



Carolyn Hardin, Research  
Administration Specialist

### Compliance



LeJuan Byford, Research  
Compliance Coordinator



Sandy Owens, Research  
Compliance Specialist (IRB  
and IACUC)

## Center for Research Design and Analysis



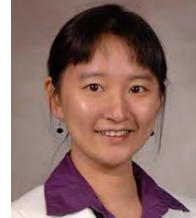
Dr. Paul Yeatts, Director,  
Denton



Erica Leone, Qualitative  
Specialist Remote Assistance



Jessie Brauer, Manager,  
Denton



Dr. Wanyi Wang, Senior  
Statistician, Houston



Dr. Marcus Fagan,  
Statistician, Dallas

## Center for Student Research



Dr. Diana Elrod, Director

## MY1CV Program



ZeZe Demir, Manager

*Not pictured:* Samantha Farmer, Administrative Assistant

## 2021-22 Associate Deans for Research

The Associate Deans of Research support the research development activities of their college.

Arts & Sciences – Dr. Jessica Gullion, Associate Dean of Research, [jgullion@twu.edu](mailto:jgullion@twu.edu)

Business – Dr. Lee Brown, Director of Research, [lbrown37@twu.edu](mailto:lbrown37@twu.edu)

Nursing – Dr. Donna Scott Tilley, Associate Dean for Research and Clinical Scholarship, [dtilley@twu.edu](mailto:dtilley@twu.edu)

Health Sciences – Dr. Noralyn Pickens, Associate Dean for Interprofessional Education and Strategic Initiatives, [npickens@twu.edu](mailto:npickens@twu.edu)

College of Professional Education – Vacant

## ANNUAL RESEARCH EXPENDITURES

The amounts listed reflect funds spent by TWU to support research activities, including state-appropriated research funds, indirect costs, and pass-through funds to other higher education institutions with whom we collaborate on research projects. The state's accountability measures relate to the amount of federal research funding each university spends. TWU is currently classified in the Carnegie classification system as an *D/PU: Doctoral/Professional University* (known as R3), with a goal to reach R2 status.

*Doctoral Universities – Very high research activity* (R1); and *Doctoral Universities – High research activity* (R2), are institutions that awarded at least 20 research/scholarship doctoral degrees and have at least \$5 million in total research expenditures (as reported through the National Science Foundation (NSF) Higher Education Research & Development Survey (HERD)).

[https://carnegieclassifications.iu.edu/classification\\_descriptions/basic.php](https://carnegieclassifications.iu.edu/classification_descriptions/basic.php)

2022	2021	2020	2019	2018
\$5,781,043	\$4,672,948	\$4,134,695	\$4,252,624	\$4,821,988

### Restricted Research Expenditures

A restricted research expenditure is an expenditure of funds for which the use of the funds qualifies as research and development and for which an external entity has placed limitations of use. When it established the Texas Comprehensive Research Fund (TCRF) and the Core Research Support Fund (CRSF), the Texas Legislature created formulas to allocate research funds to eligible institutions, based wholly or in part on institutionally-certified restricted research expenditures.

2022	2021	2020	2019	2018
\$3,203,401	\$2,943,320	\$3,062,936	\$3,554,493	\$2,244,224

## INTERNAL FUNDING / INCENTIVE PROGRAMS

### Chancellor's Research Fellowship Program

The Chancellor's Research Fellowship Program (CRF), supported by funds received from the TWU Chancellor's Circle and the TWU Foundation, brings peer support and resources together for faculty. The objectives are to identify faculty with strong potential for obtaining external funding for research; to match each protégé with an experienced mentor; and to provide additional research support that will help both protégés and mentors succeed. The protégés should demonstrate a strong potential for research but need some assistance in order to build a research program and become competitive for external funding. Protégés and mentors are faculty with successful records of research publication and external funding.

Protégés and mentors receive monetary awards to use for their individual research needs. Mentors assist their protégés in developing their research agendas and grant applications. Protégés are responsible for submitting at least one proposal for external funding during the fellowship year or the following academic year.

The 2021-22 Chancellor's Research Fellowship protégés and their mentors were:

- Dr. JaNiece Elzy, Literacy and Learning, mentored by Dr. Catherine Compton-Lilly, University of South Carolina
- Dr. Jonathan Gratch, Mathematics & Computer Science, mentored by Dr. Scott J. Warren, University of North Texas
- Dr. Zane Lybrand, Biology, mentored by Dr. Christopher Brower, Biology
- Dr. Linda Merritt, Nursing - Dallas, mentored by Dr. M. Terese Verklan, University Texas Medical Branch in Galveston
- Dr. Anastasia Miller, Health Care Administration - Dallas, mentored by Dr. Sara Jahnke, Center for Fire, Rescue & EMS Health Research

## **Creative Arts and Humanities Grant Program**

The purpose of the Creative Arts and Humanities Grant Program is to support TWU faculty projects in areas which ordinarily have very limited opportunity to receive external grant funding, yet have the potential to enhance scholarship and TWU's profile nationally and internationally.

Funds may be used for a wide range of projects. Examples include, but are not limited to: performances, art exhibitions, documentaries, creative writing, archival research, pedagogical research, and the development of book manuscripts. In addition, a wide range of research methodologies will be considered, including but not limited to historic, interpretive, analytical, arts-based, descriptive, indigenous, qualitative, and quantitative methods.

Competitions are held in the Spring and Fall semester of each year. The recipients of Creative Arts and Humanities Grant Program awards in 2021-22 were:

- Dr. Ashley Bender (Language, Culture, & Gender Studies)
- Dr. William Benner (Language, Culture, & Gender Studies)
- Professor Jordan Fuchs (Dance)
- Professor Michele (Sheli) Petersen (Visual Arts), and Dr. Camelia Maier (Biology)

## **Faculty Research Incentive Program (FRIP)**

ORSP has introduced the Faculty Research Incentive Program (FRIP), which aims to recognize and reward recipients who have received external funding. FRIP will allow Texas Woman's University to provide incentive payments to faculty who receive external funding and charge a portion of their salary to the external funds. There is no application process for this program.

To be eligible to participate in the program, the following minimum criteria must be met:

- The participant must be a Texas Woman's University faculty member serving as a principal investigator/project director, co-PI, or other key personnel on an externally-sponsored project
- At least a portion of the participant's institutional base salary must be paid from state appropriated funds
- Individuals who are split-funded from appropriated and other sources shall be eligible to participate in that portion of their salary supported by appropriated funds
- Only new assignments on externally funded projects (as of FY 2022) will be eligible
- Participants must be current on grant-related reports including progress reports, effort reports, etc.



## Hanover Grants Academy

The Hanover Grants Academy is a collaboration between the Center for Research Design and Analysis and the Hanover Research firm. The Academy seeks to discover and encourage individuals of outstanding talent with a keen interest in research. This program is intended to strengthen emerging researchers' ability to produce highly credible and fundable research proposals that will not only expand and contribute to knowledge and literature in their respective fields but also bring research prestige and funding to Texas Woman's University. In academic year 2021-22, the cohort was comprised of twelve faculty researchers over the entire academic year.

The recipients of the 2021-22 Hanover Grants Academy are:

- Dr. Agatha Beins (Language, Culture, & Gender Studies)
- Dr. Tanya Benjamin (Occupational Therapy - Houston)
- Dr. William Benner (Language, Culture, & Gender Studies)
- Dr. Kathleen Ellis (Nursing - Houston)
- Dr. Joshua Gold (Health Promotion)
- Dr. Aimee Hendrix (Literacy and Learning)
- Dr. Adam Jones (Human Development, Family Studies, and Counseling)
- Dr. Ngozi Mbue (Nursing - Houston)
- Dr. Lydia Royeen (Occupational Therapy - Dallas)
- Dr. Gustavo Salazar (Chemistry & Biochemistry)
- Dr. Angela Shierk (Occupational Therapy - Denton)
- Dr. Aya Yoshikawa (Health Promotion)

Research professionals selected will receive individualized mentoring on the grant writing process. Grant funding is an increasingly competitive process in which guided expertise is critical to crafting the most fundable research proposals. The ability to describe one's research in a way that can be understood and valued is critical in the competitive selection process.

## Jane Nelson Institute for Women's Leadership

*NOTE: ORSP has partnered with the Jane Nelson Institute for Women's Leadership (JNIWL) to administratively support initiatives across campus that promote and support Women's Leadership.*

The express purpose of funding allocated by the JNIWL is to help women advance their leadership skills and experience in order to prepare them to take on successful roles in business ownership and public service. One of the goals of the JNIWL is to be the repository of research and information about women's leadership. This program is intended to provide funds for TWU faculty and staff to conduct projects that contribute to this goal. Applications are accepted year round with no specific deadline. Projects that do not directly align with women in leadership will not be considered.

There is no upper limit on the amount that can be requested. Awards are typically under \$100,000 per year. Funding for up to two academic years may be requested, and a continuation proposal may be submitted for additional project years. Future funding is contingent on the availability of funds.

For FY 2021-2022, there were 40 awards totaling \$2,749,682.

## Proposal Development and Submission Incentive Program

The Proposal Development Grant Program has been modified and is now called the Proposal Development and Submission Incentive Program. The purpose of this program is to provide faculty an incentive for the development and submission of a proposal for external funding. The incentive will be provided in the form of a task payment based on the requested amount in the external proposal.

The recipients of Proposal Development and Submission Incentive Program in 2021-22 were:

- Drs. Ann Amuta (Health Promotion) and Gabrielle Smith (Psychology & Philosophy)
- Drs. Ann Amuta and Joshua Gold (Health Promotion)
- Drs. Dayna Averitt, Camelia Maier, and Zane Lybrand (Biology)
- Dr. John Beatty (Chemistry & Biochemistry)
- Drs. Ashley Bender (Language, Culture & Gender Studies) and Omar Darwish (Mathematics)
- Dr. William Benner (Language, Culture & Gender Studies)
- Dr. Christopher Brower (Biology)
- Dr. Xiaofen Du (Nutrition & Food Sciences)
- Drs. Cynthia Evetts and Claudette Fette (Occupational Therapy - Denton)
- Dr. Wyona Freysteinson (Nursing - Houston)
- Drs. Hui-Ting Goh and Elaine Jackson (Physical Therapy - Dallas)
- Dr. Hui-Ting Goh (Physical Therapy - Dallas)
- Drs. Elizabeth Kaye and Annette Torres Elías (Literacy and Learning)
- Drs. Mikyoung Lee (Nursing - Dallas) and Johnathan Gratch (Computer Science)
- Drs. Julie Libersat (Visual Arts), David Gardner (Mathematics), Danielle Phillips-Cunningham and Gretchen Busl (Language, Culture & Gender Studies)
- Dr. Theresa Lindsay (Pioneer Center for Student Excellence)
- Dr. Victor Lozada (Literacy and Learning)
- Dr. Zane Lybrand (Biology)
- Dr. Zane Lybrand (Biology)
- Drs. Ngozi Mbue (Nursing - Houston) and Jeramy Meacham (Business - Houston)
- Drs. Jyutika Mehta and Cynthia Gill (Communication Sciences and Oral Health)
- Dr. Anastasia Miller (Health Care Administration - Dallas)
- Dr. Nasrin Mirsaleh-Kohan (Chemistry & Biochemistry)
- Drs. Nasrin Mirsaleh-Kohan, John Beatty and Gustavo Salazar (Chemistry & Biochemistry)
- Dr. Elisa Na (Psychology & Philosophy)
- Dr. Elisa Na (Psychology & Philosophy)
- Drs. Maria Peterson-Ahmad and Randa Keeley (Teacher Education)
- Drs. Danielle Phillips-Cunningham and Gretchen Busl (Language, Culture, & Gender Studies)
- Drs. Claudia Pyland, Marlene Williams (Psychology & Philosophy) and Paul Yeatts (CRDA)
- Dr. Rachel Simons (Library & Information Science)
- Dr. Sushmita Sinha (Biology)
- Dr. Juliet Spencer (Biology)
- Drs. Mandy Stewary (Literacy and Learning), Paul Yeatts (CRDA), and Ms. Liliana Grosso Richins (Teacher Education)
- Dr. Ann Wheeler (Mathematics)
- Ms. Amanda Zerangue (TWU Libraries)
- Dr. Jian Zhang (Computer Science)

## Publication Fund

TWU allots funds, through ORSP, to support publication costs. These funds are primarily intended to allow researchers to pay for expenses associated with publication. Priority is given to publications on the Directory of Open Access Journals (DOAJ) list or published as a hybrid-open access journal, to researchers seeking external funding, and to applicants who have not already received support in the current year.

The recipients of Publication Fund awards in 2021-22 were:

- Dr. Dayna Averitt (Biology)
- Dr. Tanya Benjamin (Occupational Therapy - Houston)
- Dr. Patricia Bowyer (Occupational Therapy - Houston)
- Drs. Pei-Fen Chang (Occupational Therapy - Houston) and Kai-Li Tsai (Health Care Administration - Houston)
- Drs. Kathleen Davis, Cynthia Warren (Nutrition & Food Sciences), Carolyn Moore, Derek Miketinas, Wesley Tucker (Nutrition & Food Sciences - Houston), and Wanyi Wang (CRDA)
- Dr. Kathleen Davis (Nutrition & Food Sciences)
- Dr. Xiaofen Du (Nutrition & Food Sciences)
- Drs. Hui-Ting Goh (Physical Therapy - Dallas) and Dr. Asha Vas (Occupational Therapy - Dallas)
- Dr. Zane Lybrand (Biology)
- Dr. Brenda Moore (Nursing - Houston)
- Dr. Mindy Patterson (Nutrition & Food Sciences - Houston)
- Drs. Heather Roberts, Angela Shierk, (Occupational Therapy - Denton), Paul Yeatts, and Trey DeJong (CRDA)
- Dr. Emarely Rosa-Davila (Social Work)
- Dr. Kerri Staples (Health Promotion)
- Dr. Kai-Li Tsai (Health Care Administration - Houston)
- Dr. Wesley Tucker (Nutrition & Food Sciences - Houston)
- Dr. Cynthia Warren, and Ms. Shannon Combest (Nutrition & Food Sciences)
- Drs. James Williams (Social Sciences and Historical Studies) and Mahmoud Sadri (Sociology)
- Dr. Jennifer Woo (Nursing - Dallas)

## Research Enhancement Program

The Research Enhancement Program (REP) provides seed money (up to \$10,000) so that faculty members can compete more successfully for larger research grants from external sources for continuation of their research. The REP provides support for all types of faculty research. All full-time tenured faculty, research faculty, and tenure-track faculty at TWU are eligible to apply and serve as PI and co-investigators. Tenured and research faculty are evaluated separately from tenure-track faculty who are not yet tenured (thus considered a “new investigator”) with funds being designated separately for each group. Competitions are held in the Spring and Fall semester of each year.

The recipients of New Investigator REP awards in 2021-22 were:

- Dr. Jongwha Chang (Health Care Administration - Dallas)
- Drs. Kathleen Davis (Nutrition & Food Sciences) and Dr. Wesley Tucker (NFS - Houston)
- Dr. Xiaofen Du (Nutrition & Food Sciences)
- Dr. Helen Everts (Nutrition & Food Sciences)

- Dr. Monique LeMieux (Nutrition & Food Sciences)
- Dr. Zane Lybrand (Biology)
- Dr. Elisa Na (Psychology & Philosophy)
- Dr. Sushmita Sinha (Biology)
- Dr. Wesley Tucker, Dr. Wayne Brewer, Dr. Mindy Patterson (Nutrition and Food Sciences – Houston, Physical Therapy – Houston)

The recipients of the Continuing Faculty REP awards in 2021-22 were:

- Drs. Mary Anderson (Chemistry & Biochemistry) and Dr. Heather Conrad-Webb (Biology)
- Dr. Dayna Averitt (Biology)
- Dr. Camelia Maier (Biology)
- Dr. Richard Sheardy, and Dr. Yunxiang Li (Chemistry & Biochemistry)
- Dr. Juliet Spencer (Sciences)

## Small Grants Program

The Small Grants Program provides support for research that could eventually become the basis for a proposal for external funding for a research grant. Small grants are primarily intended to allow principal investigators to take advantage of unusual opportunities that arise, particularly to obtain preliminary or pilot data. Typically, only one grant per faculty member is awarded per fiscal year. Fifteen faculty were awarded small grants during 2022-2023, and 12 awards were utilized, totaling \$9,130.

The recipients of Small Grants Program awards in 2021-22 were:

- |  |   |
|--|---|
| • Dr. Dayna Averitt (Biology)                | • Dr. Elisa Na (Psychology & Philosophy)            |
| • Dr. Lauren DiMaio (Music Therapy)          | • Dr. Rupal Patel (Physical Therapy - Houston)      |
| • Dr. Xiaofen Du (Nutrition & Food Sciences) | • Dr. Martin Rosario (Physical Therapy - Dallas)    |
| • Dr. Wyona Freysteinson (Nursing - Houston) | • Dr. Lisa Rosen (Psychology & Philosophy)          |
| • Dr. Joshua Gold (Health Promotion)         | • Dr. Angela Shierk (Occupational Therapy - Denton) |
| • Dr. Jessica Gullion (Sociology)            |   |
| • Dr. Zane Lybrand (Biology)                 |   |

## Teaching and Research Grants for Equipment and Technology Program

The purpose of the Teaching and Research Grant for Equipment and Technology (TARGET) is to provide a mechanism for researchers at TWU to obtain research equipment, ideally for shared use, or for faculty at TWU to obtain equipment to enhance the scholarship of teaching and learning in the classroom or lab in face-to-face, online, or hybrid teaching environments. Approximately \$208,725 has been allocated from the academic affairs HEF funding and other one-time funding to support this initiative.

The recipients of TARGET awards in 2021-22 were:

- Dr. Pei-Fen Chang, and Professor Jerilyn Callen (Occupational Therapy - Houston)
- Dr. Xiaofen Du (Nutrition & Food Sciences)
- Drs. Minkowan Goo, and Maria Peterson-Ahmad (Teacher Education)
- Drs. Dundee Lackey, Gretchen Busl and Ashley Bender (English, Speech & Foreign Languages)

- Drs. Zane Lybrand, Dayna Averitt, and DiAnna Hynds (Biology)
- Dr. Maria Peterson-Ahmad (Teacher Education)
- Dr. Bingyue Wei (Fashion & Textiles)

## Travel Assistance Fund

The Travel Assistance Fund enables faculty to defray some of the travel costs associated with presenting scholarly outcomes at professional conferences or attending meetings where they will receive major awards. The average award is typically \$800. Thirty-five faculty members utilized this grant, either virtually or in person, with awards totaling more than \$27,500. Here are the 2021-22 awardees:

- Akinleye, Adesola (Dance)
- Aulbach, Rebecca (Nursing - Houston)
- Baker, Vicki (Music)
- Beatty, John (Chemistry & Biochemistry)
- Becker, Kevin (Kinesiology)
- Bender, Ashley (English, Speech & Foreign Languages)
- Burke, Amy (Literacy and Learning)
- Candelario, Rosemary (Dance)
- De La Rosa, Elisa (Dance)
- Du, Xiaofen (Nutrition & Food Sciences)
- Fehler, Brian (English, Speech & Foreign Languages)
- Figueroa, Jorge (Teacher Education)
- Freysteinson, Wyona (Nursing - Houston)
- Goh, Hui-Ting (Occupational Therapy - Dallas)
- Harding, Brian (Psychology & Philosophy)
- Hart, Christian (Psychology & Philosophy)
- Isik, Elif (Nursing - Houston)
- Kaye, Elizabeth (Literacy and Learning)
- Lisenbee, Peggy (Literacy and Learning)
- Littles, Sabrenda (Nursing - Houston)
- Liu, Fuqin (Nursing - Denton)
- Moore, Lin (Literacy and Learning)
- Omary, Manal (Chemistry & Biochemistry)
- Peterson-Ahmad, Maria (Teacher Education)
- Rosa-Davila, Emarely (Sociology & Social Work)
- Runnels, Ratonia (Sociology & Social Work)
- Sheardy, Richard (Chemistry & Biochemistry)
- Shierk, Angela (Occupational Therapy - Denton)
- Shuster, Richard (Music)
- Stewart, Mandy (Literacy and Learning)
- Terrizzi, John (Psychology & Philosophy)
- Wheeler, Ann (Mathematics & Computer Science)
- Woo, Jennifer (Nursing - Dallas)
- Woolery, Danielle (Music)

## SERVICES TO RESEARCHERS

ORSP provides many types of service and coordinates with other offices and departments across campus to make resources available and accessible to the TWU research community.

### Center for Research Design and Analysis

*Please refer to the CRDA Annual Report for more comprehensive information.*

### ClinicalTrials.gov

ClinicalTrials.gov is a Web-based resource that provides patients, their family members, health care professionals, researchers, and the public with easy access to information on publicly and privately supported clinical studies on a wide range of diseases and conditions. Studies are generally submitted to the Web site by the principal investigator (that is, registered) when they begin, and the information on

the site is updated throughout the study. In some cases, results of the study are submitted after the study ends.

### **Funding Opportunity Database**

In addition to assisting researchers individually with finding sources of external funding that match their research interests, TWU has a subscription to the SPIN database. InfoEd’s Sponsored Programs Information Network (SPIN) database contains over 40,000 funding opportunities from more than 10,000 sponsors and is available to TWU faculty, staff, and students.

SPIN contains funding information on a broad range of topics as well as access to selected Request For Proposals (RFPs) from the Commerce Business Daily (CBD) and the entire Federal Register (FR). Through SPIN, investigators can set up profiles and receive periodic emails alerting them to funding opportunities.

### **Intellectual Property and Innovation**

TWU's Intellectual Property Policy can be found here: [Intellectual Property Policy \(URP: 02.400\)](#)

TWU's Intellectual Property Flow Chart: [Internal Invention Flow Chart](#)

### **MY1CV Faculty**

Please refer to the MY1CV Annual Report for more comprehensive information.

### **Research Instrument Repository Resources**

<https://www.sigmarepository.org/tools/> (for nursing research)

<https://www.midss.org/> (for social science research)

<https://www.inacsl.org/repository-of-instruments> (for simulation research)

### **Scientific Equipment Repair Services (SERS)**

SERS provides assistance with repair and calibration of scientific equipment; assistance in purchasing parts for scientific equipment; assistance in obtaining service from outside vendors; assistance with developing operation and maintenance procedures; and observation of the repair process when an outside service technician repairs or maintains scientific equipment on campus.

## **STUDENT CREATIVE ARTS AND RESEARCH SYMPOSIUM**

The staff of the Office of Research and Sponsored Programs and Center for Student Research assist each year in coordinating the Student Creative Arts and Research Symposium. More than 270 undergraduate and graduate students presented their research projects by poster, platform or virtual presentations during the 2022 Symposium. Student scholars and their work were highlighted in this program, and these students were invited to place their research in the Library archives. The Research Committee of the Graduate Council reviewed applications to the Chancellor’s Student Research Scholars. Recipients were selected and notified of their awards. The 2022 Symposium Program was produced in an online format, and is uploaded on the Symposium website.

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Sponsors represented .....	113
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## COMMITTEES AND MEMBERSHIP

The Office of Research and Sponsored Programs relies heavily on committees to accomplish their work. Some are required for compliance with federal guidelines. These are the Institutional Review Board, the Institutional Animal Care and Use Committee, the Institutional Biosafety Committee, and the Radiation Safety Committee.

Others are advisory in nature and assist ORSP by sharing their knowledge and expertise. These advisory committees are the Research Advisory Committee and the Research Support Committee. The Research Advisory Committee was established by the Academic Council to advise the Provost and Academic Affairs about issues related to the research enterprise at Texas Woman's University. The committee is composed of a dean and a chair designated by the Academic Council; a faculty member from each college designated by the dean; the current chairs of the Research Support Committee and the Graduate Council's Research Committee, and two faculty members selected at-large. The Research Support Committee (RSC) reviews proposals submitted to the Research Enhancement Program for new and continuing faculty competitions and makes recommendations to the Provost for funding. The Committee is also responsible for developing the form used to critique the submitted proposals and develops guidelines related to who is eligible to submit proposals for internal funding to the RSC. Members of the RSC are appointed by the TWU Faculty Senate each May and are selected from among faculty members and professional librarians who complete the Committee Preference Form sent to Faculty and staff by the Chancellor's office each March. The RSC has 14 members from as many academic components as possible and membership of the Committee is based on proportional representation of each college.

### 2021-22 Institutional Animal Care and Use Committee Leadership

Dayna Averitt, Biology, Chair  
Egeenee Daniels, DVM, Veterinarian

### 2021-22 Institutional Biosafety Committee Members

Dr. Laura Hanson, Biology, Chair  
Dr. Christopher Brower, Biology  
Dr. Heather Conrad-Webb, Biology  
Dr. Amy Jo Hammett, Biology

Mr. Drew Townsend, Environmental Safety & Health  
Mr. William Stamm, Citizen Member  
Mr. Mike Danner, Citizen Member

### 2021-22 Intellectual Property Committee Members

Dr. Michael Bergel (Biology Denton)  
Ms. Stephany Compton (Library Denton)  
Dr. Peggy Malone† (COPE Denton)  
Dr. Manal Rawashdeh-Omary (Chemistry & Biochemistry Denton)

Dr. Linda Rubin (CAS Denton)  
Dr. Graham (Gray) Scott (English Speech & Foreign Language Denton)  
Ms. Amanda Zerangue (Library Denton)

## 2021-22 Radiation Safety Committee Members

Dr. Richard Sheardy, Chemistry & Biochemistry  
(chair)  
Dr. Nathaniel Mills, Biology  
Dr. Vic Ben-Ezra, Kinesiology  
Dr. Shane Broughton, Nutrition & Food Sciences  
Dr. Heather Conrad-Webb, Biology  
Dr. Leslie Koberna, Dental Hygiene  
Ms. Chelle Jezek, Purchasing

Dr. Brandon (Rhett) Rigby, Health Promotions  
and Kinesiology  
Mr. Drew Townsend (ad hoc), Environmental  
Safety & Health  
Dr. Karen Barton-Nielsen, Student Health  
Services  
Mr. Samuel Garrison, Police Chief, Department  
of Public Safety

## 2021-22 Research Advisory Committee Members

Dr. Lisa Huffman College of Professional Education, Deans' Representative  
Dr. Mark Weber, Physical Therapy - Dallas, Chairs' Representative  
Dr. Mary Anderson, Chemistry & Biochemistry, Co-chair of the Research Support Committee  
Dr. Asha Vas Occupational, Therapy - Dallas, Co-chair of the Research Support Committee  
Dr. Patricia Bowyer, Occupational Therapy - Houston, Chair of the Graduate Council Research  
Committee  
Dr. Jessica Gullion, Sociology, Faculty Representative for the College of Arts & Sciences  
Dr. Mindy Patterson, Nutrition - Houston, Faculty Representative for the College of Health Sciences  
recommended by your dean  
Dr. Brenda Moore, Nursing - Houston, Faculty Representative for the College of Nursing  
Dr. Mandy Stewart, Literacy and Learning, Faculty Representative for the College of Professional  
Education  
Dr. Jennifer Flanagan, Business, Faculty Representative for the College of Business  
Dr. Martin Rosario, Physical Therapy - Dallas, at-large representative  
Dr. Dayna Averitt, Biology, at-large representative  
Dr. Holly Hansen-Thomas, Vice Provost for Research and Innovation, Ex officio (ORSP Representative)

## 2021-22 Research Support Committee Members

Dr. Mary Anderson, Chemistry & Biochemistry,  
co-chair  
Dr. Asha Vas, Occupational Therapy - Dallas, co-  
chair  
Dr. Christina Bickley, Physical Therapy - Houston  
Dr. Courtney Buchkoski, History and Political  
Science  
Dr. Rhonda Buckley, Human Development,  
Family Studies, and Counseling  
Ms. Stephany Compton, TWU Libraries  
Dr. Wyona Freysteinson, Nursing - Houston  
Dr. Hui-Ting Goh, Physical Therapy - Dallas

Dr. Tina Gumienny, Biology  
Dr. Shann Hwa Hwang, Human Development,  
Family Studies, and Counseling  
Dr. Daniel Milan, School of the Arts - Music  
Dr. Anastasia Miller, Health Care Administration  
- Dallas  
Dr. Ilana Morgan, School of the Arts - Dance  
Dr. John Terrizzi, Psychology and Philosophy  
Dr. Jennifer Woo, Nursing - Dallas  
Dr. Holly Hansen-Thomas, ex officio



## 2021-22 Institutional Review Board Members

### 2021 - 2022 Denton IRB Membership

Dr. Brandon (Rhett) Rigby, Kinesiology, Chair  
Dr. Rhonda Buckley, Human Development,  
Family Studies, and Counseling, Co-Chair

Dr. Ann Amuta, Health Promotion and  
Kinesiology  
Dr. Shane Broughton, Nutrition & Food Sciences  
Dr. Melissa Brown, Human Development,  
Family Studies, and Counseling  
Dr. Damon Cottrell, Nursing  
Ms. Eileen Hall, Citizen Member  
Mr. Scott Martin, Office of Curriculum &  
Strategic Initiatives  
Ms. Tiffany Peart, Office of Technology  
Dr. Emarely Rosa-Davila, Social Work  
Dr. Becky Spencer, Nursing  
Dr. Mandy Stewart, Literacy and Learning  
Consultants:  
Dr. James Williams, Sociology  
Dr. Linda Ladd, Human Development, Family  
Studies, and Counseling

Medical Consultant:  
Connie Menard, M.D., Student Health Services

Alternate:  
Dr. Shamsun Nahar, Social Work

### 2021 - 2022 Dallas IRB Membership

Dr. Sharon Wang, Physical Therapy, Chair  
Dr. Marsha Neville, Occupational Therapy,  
Co-Chair

Dr. Hui-Ting Goh, Physical Therapy  
Mr. John Humphrey, Library  
Dr. Chin-Nu Lin, Nursing  
Dr. Suh-Jen Lin, Physical Therapy  
Ms. Eula Oliphant, Library  
Dr. Gail Poskey, Occupational Therapy  
Dr. William Sit, Occupational Therapy  
Mr. Mark Wingfield, Citizen Member  
Dr. Jennifer Woo, Nursing

### 2021 - 2022 Houston IRB Membership

Dr. Mindy Patterson, Nutrition & Food Sciences,  
Chair  
Dr. Wayne Brewer, Physical Therapy, Co-Chair

Dr. Pei Fen Chang, Occupational Therapy  
Dr. Paula Clutter, Nursing  
Dr. Carolyn DaSilva, Physical Therapy  
Dr. Nina Fredland, Nursing  
Ms. Marilyn Goff, Library Services  
Dr. Brenda K. Sylvester, Nursing  
Ms. Emily Tuck, Citizen Member

## 2021-2022 IRB BY THE NUMBERS

by Academic Year

### Dallas Applications Received

Level of Review	9/1/2017 - 8/31/2018	9/1/2018 - 8/31/2019	9/1/2019 - 8/31/2020	9/1/2020 - 8/31/2021	9/1/2021 - 8/31/2022
Exempt	6	16	16	20	28
Expedited	21	19	13	21	19
Full Review	3	2	6	5	4
TOTAL	30	37	35	46	51

### Houston Applications Received

Level of Review	9/1/2017 - 8/31/2018	9/1/2018 - 8/31/2019	9/1/2019 - 8/31/2020	9/1/2020 - 8/31/2021	9/1/2021 - 8/31/2022
Exempt	16	16	16	24	27
Expedited	36	23	17	32	20
Full Review	12	8	6	5	7
TOTAL	64	47	39	61	54

### Denton Applications Received

Level of Review	9/1/2017 - 8/31/2018	9/1/2018 - 8/31/2019	9/1/2019 - 8/31/2020	9/1/2020 - 8/31/2021	9/1/2021 - 8/31/2022
Exempt	102	121	113	123	116
Expedited	74	71	63	64	43
Full Review	39	28	20	17	30
TOTAL	215	220	196	204	189

### Total Applications Received

Level of Review	9/1/2017 - 8/31/2018	9/1/2018 - 8/31/2019	9/1/2019 - 8/31/2020	9/1/2020 - 8/31/2021	9/1/2021 - 8/31/2022
Exempt	124	153	145	167	171
Expedited	131	113	93	117	82
Full Review	54	38	32	27	41
TOTAL	309	304	270	311	294

### % Received by Campus of Total Applications

Level of Review	9/1/2017 - 8/31/2018	9/1/2018 - 8/31/2019	9/1/2019 - 8/31/2020	9/1/2020 - 8/31/2021	9/1/2021 - 8/31/2022
Dallas	10%	12%	13%	15%	17%
Houston	21%	15%	14%	20%	18%
Denton	70%	72%	73%	66%	64%

The following reports were generated by the offices that comprise and/or operate under the oversight of ORSP. Some reports were previously distributed, but are updated for this compiled Annual Report.



RESEARCH &  
SPONSORED PROGRAMS  
TEXAS WOMAN'S UNIVERSITY

**2021 - 2022**

**ANNUAL REPORT**

on Proposal and Grant Activity  
for External Funding





**Office of Research and Sponsored Programs**

Attached is the annual report on TWU's sponsored research, teaching, scholarship, and public service for fiscal year 2022 (September 1, 2021 through August 31, 2022). The report outlines external proposal and award activity through the Office of Research and Sponsored Programs (ORSP).

These sponsored projects encompass many types of activities funded by outside agencies: basic scientific research; applied research in nursing, allied health sciences, social sciences, and other areas; education and training programs in community and business settings; demonstration, model, or pilot projects; and creative activities. Sources of funding include federal, state, and private funding agencies. In addition, the formula funding granted by the federal CARES Act was processed through ORSP and is included in this report.

Proposals for grants and contracts are initiated by TWU faculty or staff and are reviewed by the department chair, director, or associate dean; the dean of the college; the Vice Provost for Research and Innovation; and the Provost. Occasionally others are included in the review process, depending on the nature of the project or the instructions from the funding source. Proposals range in complexity from a request for support of a few hundred dollars from a professional association to an application for a million-dollar, multi-year project from a federal agency.

This report is divided into several sections. The first section presents varied breakdowns of externally-funded projects by campus, college, department, and principal investigator (or project director). The second section describes the proposals submitted for external funding; the remaining sections provide information about active awards, research expenditures, Comprehensive Research Funds, and facility and administrative (indirect) costs.

**Annual Report on Proposal and Grant Activity  
Office of Research and Sponsored Programs**

**FY 2022 (September 1, 2021 – August 31, 2022)**

**I. Externally Funded Grants and Contracts**

<b>Total Grants Awarded</b>		<b>Research Grants Awarded</b>	
FY 2013: \$ 8,426,440	54 Awards	FY 2013: \$ 1,206,015	13 Awards
FY 2014: \$ 7,114,862	65 Awards	FY 2014: \$ 1,061,422	23 Awards
FY 2015: \$ 7,450,986	43 Awards	FY 2015: \$ 1,528,188	17 Awards
FY 2016: \$ 6,763,277	57 Awards	FY 2016: \$ 2,593,934	24 Awards
FY 2017: \$ 5,539,645	67 Awards	FY 2017: \$ 2,171,771	32 Awards
FY 2018: \$ 6,959,443	55 Awards	FY 2018: \$ 1,860,891	21 Awards
FY 2019: \$ 6,286,539	59 Awards	FY 2019: \$ 3,331,441	31 Awards
FY 2020: \$ 6,492,616	69 Awards	FY 2020: \$ 3,975,799	42 Awards
FY 2021: \$ 7,135,765	65 Awards	FY 2021: \$ 3,634,535	31 Awards
FY 2022: \$ 8,383,022	80 Awards	FY 2022: \$ 5,093,532	48 Awards

These numbers do not include the formula funding requested and received by the university through the CARES Act; the CARES Act funding is detailed in Section IV. The following section provides a more detailed breakdown of the external grants and contracts received through ORSP during FY 2022 and comparisons with FY 2021.

**A. Distribution by College, Department, and Campus**

Tables 1-4 illustrate the distribution of grant awards for each college, department, individual faculty member, and campus. For accounting purposes, the award is listed in the department of the principal investigator (PI). In the instances where the co-principal investigator (Co-PI) is from a different department or campus than the PI, the Co-PI's department is shown in parentheses.

**Table 1  
Comparison of Funding by College/Other**

	<b>2020-2021</b>	<b>2021-2022</b>
Arts and Sciences	\$2,029,425	\$3,796,267
Health Sciences	\$1,958,700	\$1,951,040
Nursing	\$233,126	\$159,632
Professional Education	\$942,804	\$290,567
Business	\$0	\$50,000
Other	\$1,971,710	\$2,135,516
<b>TOTAL OF ALL AWARDS</b>	<b>\$7,135,765</b>	<b>\$8,383,022</b>

**Table 2**  
**Comparison of Funding by College and Department/Division\***

	<b>2020-2021</b>	<b>2021-2022</b>
<b>ARTS AND SCIENCES</b>		
Biology	\$1,066,749	\$2,820,628
Chemistry and Biochemistry	\$82,852	\$72,488
English, Speech & Foreign Languages	\$125,860	\$0
Mathematics & Computer Science	\$100,000	\$0
History and Political Science	\$395,000	\$398,979
Psychology and Philosophy	\$0	\$295,450
Social Work	\$258,964	\$208,722
<b>Total Arts and Sciences</b>	<b>\$2,029,425</b>	<b>\$3,796,267</b>
<b>BUSINESS</b>		
Business	\$0	\$50,000
<b>Total Business</b>	<b>\$0</b>	<b>\$50,000</b>
<b>HEALTH SCIENCES</b>		
Communication Sciences and Oral Health	\$392,517	\$391,841
Dental Hygiene	\$0	\$27,412
Health Promotion and Kinesiology	\$464,687	\$568,175
Nutrition and Food Sciences	\$897,210	\$487,580
Nutrition and Food Sciences – Houston	\$0	\$76,615
Occupational Therapy – Dallas	\$25,330	\$0
Occupational Therapy – Denton	\$127,209	\$295,836
Occupational Therapy – Houston	\$18,244	\$17,455
Physical Therapy – Dallas	\$40,000	\$86,126
Physical Therapy – Houston	\$18,833	\$0
<b>Total Health Sciences</b>	<b>\$1,958,700</b>	<b>\$1,951,040</b>
<b>NURSING</b>		
Nursing (Dean’s Office)	\$167,017	\$0
Nursing – Dallas	\$66,109	\$130,931
Nursing – Denton	\$0	\$1,000
Nursing – Houston	\$0	\$27,701
<b>Total Nursing</b>	<b>\$233,126</b>	<b>\$159,632</b>
<b>PROFESSIONAL EDUCATION</b>		
Literacy and Learning	\$339,124	\$0
Teacher Education	\$603,680	\$290,567
<b>Total Professional Education</b>	<b>\$942,804</b>	<b>\$290,567</b>

<b>OTHER</b>		
Blagg-Huey Library	\$729	\$70,185
Career Connections Center	\$0	\$50,000
Center for Research Design and Analysis	\$0	\$40,000
Curriculum and Strategic Initiatives	\$0	\$4,000
Financial Aid	\$0	\$325,000
Institutional Research and Data Management	\$0	\$50,000
Pioneer Center for Student Excellence	\$0	\$748,776
Research & Sponsored Programs	\$300,902	\$294,069
Student Life	\$471,303	\$109,739
Undergraduate Studies & Academic Partnerships	\$748,776	\$0
Woodcock Institute	\$450,000	\$443,747
<b>Total Other</b>	<b>\$1,971,710</b>	<b>\$2,135,516</b>
<b>TOTAL OF ALL AWARDS</b>	<b>\$7,135,765</b>	<b>\$8,383,022</b>

\* Departments/Divisions use FY 2022 naming structure.

**Table 3**  
**Funding Distribution by College, Department, and Individual Faculty Member 2020-2021**

For accounting purposes, the award is listed in the department of the principal investigator (PI). In the instances where the co-principal investigator (Co-PI) is from a different department or campus than the PI, the Co-PI's department is shown in parentheses.

<b>Principal Investigator</b>	<b>Agency</b>	<b>Amount Awarded</b>
<b>ARTS and SCIENCES</b>		
<b>Biology</b>		
Dr. Christopher Brower & Winnie Lokuso	HHS – National Institutes of Health	\$72,067
Dr. Ann Davis	Texas Higher Education Coordinating Board	\$1,080
Dr. Ann Davis	Joint Admission Medical Program Council	\$22,488
Dr. Diana Elrod, Dr. Karen Dunlap (Teacher Education), Dr. David Gardner (Computer Science), & Dr. Robby Petros (Chemistry & Biochemistry)	National Science Foundation	\$201,628
Dr. Diana Elrod, Dr. Karen Dunlap (Teacher Education), Dr. David Gardner (Computer Science), Dr. Robby Petros (Chemistry & Biochemistry) & Dr. Jorg Waltje (Center for Faculty Excellence)	National Science Foundation	\$494,068
Dr. Zane Lybrand	DOD – Department of Defense	\$149,633
Dr. Zane Lybrand	DOD – Department of Defense	\$89,870
Dr. Zane Lybrand	DOD – Department of Defense	\$150,000
Dr. Catalina Pislariu	National Science Foundation	\$125,882
Dr. Juliet Spencer, Dr. Diana Elrod, Dr. Stephanie Pierce, & Dr. Jessica Gullion	National Science Foundation	\$1,500,000



Dr. Juliet Spencer & Dr. Jian Zhang (Computer Science)	HHS – Health and Human Services	\$36,400
<b>Subtotal Biology</b>		<b>\$2,843,116</b>
<b>Chemistry and Biochemistry</b>		
Dr. Richard Sheardy	Welch Foundation	\$50,000
<b>Subtotal Chemistry and Biochemistry</b>		<b>\$50,000</b>
<b>Psychology and Philosophy</b>		
Dr. Elisa Na	HHS – National Institutes of Health	\$295,450
<b>Subtotal Psychology and Philosophy</b>		<b>\$295,450</b>
<b>History and Political Science</b>		
Dr. Jim Alexander	State of Texas	\$380,000
Dr. Christina Bejarano	Rutgers, The State University of New Jersey	\$18,979
<b>Subtotal History and Political Science</b>		<b>\$398,979</b>
<b>Social Work</b>		
Dr. Emarely Rosa-Davila	HHS - Administration for Children and Families	\$208,722
<b>Subtotal Social Work</b>		<b>\$208,722</b>
<b>Total Arts and Sciences</b>		<b>\$3,796,267</b>

<b>BUSINESS</b>		
<b>Business</b>		
Dr. Rama Yelkur, Dr. Rigoberto Delgado, Dr. Kittipong Boonme	US Department of Education	\$50,000
<b>Subtotal Business</b>		<b>\$50,000</b>
<b>Total Business</b>		<b>\$50,000</b>

<b>HEALTH SCIENCES</b>		
<b>Communication Sciences and Oral Health</b>		
Dr. Tamby M. Allman	U.S. Department of Education	\$248,630
Dr. Erika Armstrong and Paula Chance	Texas Education Agency	\$143,211
<b>Subtotal Communication Sciences and Oral Health</b>		<b>\$391,841</b>
<b>Dental Hygiene</b>		
Professor Charlene Dickinson	Cancer Prevention and Research Institute of Texas	\$27,142
<b>Subtotal Dental Hygiene</b>		<b>\$27,412</b>
<b>Health Promotion and Kinesiology</b>		
Dr. Mandy Golman and Dr. Nila Ricks (School of Social Work, Psychology and Philosophy)	HHS – Office of Adolescence and Pregnancy Prevention	\$171,344
Dr. Suzanna Dillon, Dr. Erika Armstrong (Communication Sciences and Oral Health)	U.S. Department of Education	\$245,214
Dr. Suzanna Dillon	U.S. Department of Education	\$150,617
Ms. Noelle Tuttle & Dr. Young-Hoo Kwon	International Society of Biomechanics	\$1,000
<b>Subtotal Health Promotion and Kinesiology</b>		<b>\$568,175</b>

<b>Nutrition &amp; Food Sciences</b>		
Dr. Shane Broughton & Dr. Jyutika Mehta (Communication Sciences and Disorders)	City of Denton	\$58,800
Dr. Shane Broughton & Dr. Jyutika Mehta (Communication Sciences and Disorders)	Superbrewed Food Inc.	\$29,886
Dr. Kathleen Davis & Dr. Cynthia Warren	US Department of Agriculture	\$224,194
Dr. Xiaofen Du	US Department of Agriculture	\$17,907
Dr. Xiaofen Du	Century Snacks, LLC	\$5,705
Dr. Xiaofen Du	Century Snacks, LLC	\$5,705
Dr. Xiaofen Du	Simply Foods, LLC	\$7,760
Dr. Xiaofen Du	Artemys Foods	\$17,620
Dr. Xiaofen Du	Century Snacks, LLC	\$5,705
Dr. Xiaofen Du	Simply Foods, LLC	\$1,600
Dr. Xiaofen Du	Firmenich Aromatics	\$73,062
Dr. Helen Everts	HHS – National Institutes of Health	\$39,636
<b>Subtotal Nutrition &amp; Food Sciences</b>		<b>\$487,580</b>
<b>Nutrition &amp; Food Sciences – Houston</b>		
Dr. Derek Miketinas	Reckitt/Mead Johnson Nutrition	\$57,415
Dr. Mindy Patterson	MSP Starch Products Inc.	\$19,200
<b>Subtotal Nutrition &amp; Food Sciences – Houston</b>		<b>\$76,615</b>
<b>Occupational Therapy (OT) – Denton</b>		
Dr. Claudette Fette & Dr. Cynthia Evetts	Moody Foundation	\$235,000
Dr. Noralyn Pickens	TWU Foundation – Jean A. Spencer Foundation	\$5,466
Dr. Suzanne Burns	HHS – Administration for Community Living	\$55,370
<b>Subtotal OT - Denton</b>		<b>\$295,836</b>
<b>Occupational Therapy (OT) – Houston</b>		
Dr. Patricia Bowyer	HHS – Health Resources and Services Administration	\$17,455
<b>Subtotal OT – Houston</b>		<b>\$17,455</b>
<b>Physical Therapy (PT) – Dallas</b>		
Dr. Hui-Ting Goh	DOD – Department of Defense	\$72,312
Dr. Alyssa LaForme Fiss	Academy of Pediatric Physical Therapy	\$3,558
Dr. Sharon Wang-Price	American Academy of Orthopaedic Manual Physical Therapist	\$6,000
Dr. Sharon Wang-Price, Ms. Carissa Stoddard, and Dr. Mark Weber	Texas Physical Therapy Foundation	\$4,256
<b>Subtotal Physical Therapy – Dallas</b>		<b>\$86,126</b>
<b>Total Health Sciences</b>		<b>\$1,951,040</b>
<b>NURSING</b>		
<b>Nursing – Dallas</b>		
Dr. Jennifer Woo	HHS – National Institutes of Health	\$130,931
<b>Subtotal Nursing – Dallas</b>		<b>\$130,931</b>

<b>Nursing – Denton</b>		
Dr. Damon Cottrell, Dr. Stephanie Evans, and Mr. Phillip Atchison	Sigma Theta Tau International	\$1,000
<b>Subtotal Nursing – Denton</b>		<b>\$1,000</b>
<b>Nursing – Houston</b>		
Dr. Sandra Cesario & Stella Dike	Oncology Nursing Society Foundation	\$2,000
Dr. Judith McFarlane	HSS – National Institutes of Health	\$25,701
<b>Subtotal Nursing – Houston</b>		<b>\$27,701</b>
<b>Total Nursing</b>		<b>\$159,632</b>

<b>PROFESSIONAL EDUCATION</b>		
<b>Teacher Education</b>		
Dr. Gina Anderson & Dr. Lisa Huffman	Texas Higher Education Coordinating Board	\$104,464
Dr. Gina Anderson, Dr. Rebeca Fredrickson, & Dr. Sarah McMahan	US Department of Education	\$50,000
Dr. Rebecca Fredrickson & Dr. Sarah McMahan	US Department of Education	\$136,103
<b>Subtotal Teacher Education</b>		<b>\$290,567</b>
<b>Total Professional Education</b>		<b>\$290,567</b>

<b>OTHER</b>		
<b>Blagg-Huey Library</b>		
Ms. Kristine Reed	Institute of Museum and Library Services	\$210
Ms. Amanda Zerangue & Adrian Shapiro	Insitute of Museum and Libraray Services	\$69,975
<b>Subtotal Blagg-Huey Library</b>		<b>\$70,185</b>
<b>Career Connections Center</b>		
Brookelyn Bush & Dr. Stephanie Krauth	US Department of Education	\$50,000
<b>Subtotal Career Connections Center</b>		<b>\$50,000</b>
<b>CRDA</b>		
Dr. Paul Yeatts	HHS – Office of Minority Health	\$40,000
Dr. Wanyi Wang	HHS – National Institutes of Health	\$4,105
<b>Subtotal CRDA</b>		<b>\$44,105</b>
<b>Curriculum and Strategic Initiatives</b>		
Dr. Jorge Figueroa	Greater Texas Foundation	\$4,000
<b>Subtotal Curriculum and Strategic Initiatives</b>		<b>\$4,000</b>
<b>Financial Aid</b>		
Ms. Lacey Thompson & Dr. Monica Mendez-Grant	US Department of Education	\$75,000
Ms. Lacey Thompson	US Department of Education	\$250,000
<b>Subtotal Financial Aid</b>		<b>\$325,000</b>
<b>Institutional Research and Data Management</b>		
Dr. Mark Hamner, Greg Gengo & Grace Chalon	US Department of Education	\$50,000
<b>Subtotal Institutional Research and Data Management</b>		<b>\$50,000</b>

<b>Pioneer Center for Student Excellence</b>		
Dr. Joshua Adams	US Department of Education	\$50,000
Dr. Juan Armijo & Dr. Joshua Adams	US Department of Education	\$175,000
Dr. Theresa Lindsay & Dr. Joshua Adams	US Department of Education	\$261,888
Dr. Theresa Lindsay & Dr. Joshua Adams	US Department of Education	\$261,888
<b>Subtotal Pioneer Center for Student Excellence</b>		<b>\$748,776</b>
<b>Research &amp; Sponsored Programs</b>		
Dr. Holly Hansen-Thomas	U.S. Department of Education	\$289,964
<b>Subtotal Research &amp; Sponsored Programs</b>		<b>\$289,964</b>
<b>Student Life</b>		
Dr. Stephanie Brown & Ms. Amy Allison	U.S. Department of Justice	\$57,856
Dr. Monica-Mendez-Grant, Dr. Stephanie Krauth & Dr. Becky Rodriguez	Texas Higher Education Coordinating Board	\$51,882
Ms. Amy Eileen O'Keefe & Dr. Catherine Dutton (Human Development, Family Studies, and Counseling)	U.S. Department of Education	\$1
<b>Subtotal Student Life</b>		<b>\$109,739</b>
<b>Woodcock Institute</b>		
Dr. Daniel Miller	TWU Foundation – Richard W. Woodcock Endowment Fund	\$435,000
Dr. Daniel Miller & Dr. Nila Ricks	University of North Texas	\$8,747
<b>Subtotal Woodcock Institute</b>		<b>\$443,747</b>
<b>Total Other</b>		<b>\$2,135,516</b>
<b>TOTAL OF ALL AWARDS</b>		<b>\$8,383,022</b>

**Table 4  
Comparison of Funding by Campus**

<b>Location</b>	<b>2020-2021</b>	<b>2021-2022</b>
Dallas Campus	\$106,109	\$217,057
Denton Campus	\$6,992,579	\$8,044,194
Houston Campus	\$37,077	\$121,771
<b>TOTAL</b>	<b>\$7,135,765</b>	<b>\$8,383,022</b>

**B. Distribution by Funding Source**

Tables 5 and 6 provide a breakdown of funding by agency type.

**Table 5  
Comparison of Funding by Type of Funding Source**

	<b>2020-2021</b>		<b>2021-2022</b>	
Federal	\$5,240,876	73.5%	\$6,595,021	78.67%
Private	\$1,059,001	14.8%	\$970,938	11.58%
State	\$773,288	10.8%	\$739,284	8.82%
Other	\$62,600	0.9%	\$77,779	0.93%
<b>TOTAL</b>	<b>\$7,135,765</b>	<b>100.0%</b>	<b>\$8,383,022</b>	<b>100.0%</b>

**Table 6  
External Funding Agencies Supporting Research and Sponsored Projects at TWU during FY 2022**

<b>Agency</b>	<b># of awards</b>	<b>Total Amount</b>
<b>FEDERAL FUNDING</b>		
DOD – Department of Defense	4	\$461,815
HHS – Administration for Children and Families	1	\$208,722
HHS – Administration for Community Living	1	\$55,370
HHS – Health and Human Services	1	\$36,400
HHS – Health Resources & Services Administration	1	\$17,455
HHS – National Institutes of Health	8	\$567,890
HHS – Office of Adolescence and Pregnancy	2	\$171,344
HHS – Office of Minority Health	1	\$40,000
Institute of Museum and Library Services	2	\$70,185
National Science Foundation	4	\$2,321,578
U.S. Department of Agriculture	2	\$242,101
U.S. Department of Education	16	\$2,344,305
U.S. Department of Justice	1	\$57,856
<b>TOTAL FEDERAL FUNDING</b>	<b>44</b>	<b>\$6,595,021</b>
<b>PRIVATE FUNDING</b>		
Academy of Pediatric Physical Therapy	1	\$3,558
American Academy of Orthopaedic Manual Physical Therapist	1	\$6,000
Artemys Foods	1	\$17,620
Century Snacks, LLC	3	\$17,115
Firmenich Aromatics	1	\$73,062
Greater Texas Foundation	1	\$4,000
International Society of Biomechanics	1	\$1,000
Moody Foundation	1	\$235,000
MSP Starch Foods, Inc	1	\$19,200

<b>PRIVATE FUNDING</b>		
Oncology Nursing Society Foundation	1	\$2,000
Reckitt/Mead Johnson Nutrition	1	\$57,415
Sigma Theta Tau International	1	\$1,000
Simply Foods, LLC	2	\$9,360
Superbrewed Food Inc.	1	\$29,886
Texas Physical Therapy Foundation	1	\$4,256
TWU Foundation – Jean A. Spencer Research Award	1	\$5466
TWU Foundation – Richard W. Woodcock Endowment Fund	1	\$435,000
Welch Foundation	1	\$50,000
<b>TOTAL PRIVATE FUNDING</b>	<b>21</b>	<b>\$970,938</b>

<b>STATE FUNDING</b>		
Cancer Prevention and Research Institute of Texas	1	\$27,412
Joint Admission Medical Program Council	5	\$22,488
State of Texas	1	\$380,000
Texas Education Agency	1	\$143,211
Texas Higher Education Coordinating Board	3	\$157,426
University of North Texas	1	\$8,747
<b>TOTAL STATE FUNDING</b>	<b>12</b>	<b>\$739,284</b>

<b>OTHER FUNDING</b>		
City of Denton	2	\$58,800
Rutgers, The State University of New Jersey	1	\$18,979
<b>TOTAL OTHER FUNDING</b>	<b>3</b>	<b>\$77,779</b>

<b>TOTAL</b>	<b>80</b>	<b>\$8,383,022</b>
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**C. Distribution by Project Type**

Table 7 provides a breakdown of funding by project type. State accountability measures focus on research funding and related expenditures.

**Table 7  
Comparison of Awards by Project Type**

	<b>2020-2021</b>		<b>2021-2022</b>	
	<b>Number of Awards</b>	<b>Amount of Awards</b>	<b>Number of Awards</b>	<b>Amount of Awards</b>
Institutional Support	4	\$286,000	5	\$229,000
Instruction	16	\$1,805,102	18	\$1,925,113
Research	31	\$3,634,535	48	\$5,093,532
Scholarship or Fellowship	5	\$521,912	4	\$696,310
Service	9	\$888,216	5	\$439,067
<b>TOTAL</b>	<b>65</b>	<b>\$7,135,765</b>	<b>80</b>	<b>\$8,383,022</b>

## II. Proposals Submitted for External Funding

### Total Proposals Submitted (All Types)

FY 2013: \$ 12,365,076	73 Submitted
FY 2014: \$ 34,950,606	74 Submitted
FY 2015: \$ 22,773,865	83 Submitted
FY 2016: \$ 28,084,897	87 Submitted
FY 2017: \$ 30,020,496	102 Submitted
FY 2018: \$ 39,398,483	112 Submitted
FY 2019: \$ 34,062,653	116 Submitted
FY 2020: \$ 28,911,248	111 Submitted
FY 2021: \$ 31,697,560	106 Submitted
FY 2022: \$ 31,865,464	121 Submitted

### Research Proposals Submitted

FY 2013: \$ 6,982,672	46 Submitted
FY 2014: \$ 13,756,834	45 Submitted
FY 2015: \$ 14,119,690	60 Submitted
FY 2016: \$ 15,329,988	56 Submitted
FY 2017: \$ 22,689,597	66 Submitted
FY 2018: \$ 30,869,118	80 Submitted
FY 2019: \$ 23,776,695	90 Submitted
FY 2020: \$ 20,905,910	88 Submitted
FY 2021: \$ 26,047,917	79 Submitted
FY 2022: \$ 22,761,532	91 Submitted

Following is a more detailed breakdown of proposals submitted in FY 2022 compared with the previous fiscal year.

**Table 8**  
**Comparison of Proposal Submissions by Type of Funding Source**

	2020-2021		2021-2022	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Federal	60	\$26,821,664	65	\$28,756,222
State	3	\$512,479	7	\$920,271
Private	40	\$4,183,417	47	\$2,167,471
Other	3	\$180,000	2	21,500
<b>TOTAL</b>	<b>106</b>	<b>\$31,697,560</b>	<b>121</b>	<b>\$31,865,464</b>

**Table 9**  
**Comparison of Proposal Submissions by Project Type**

	2020-2021		2021-2022	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Institutional Support	2	\$151,400	4	\$179,000
Instruction	10	\$3,256,624	13	\$6,782,898
Research	79	\$26,047,917	91	\$22,761,532
Scholarship or Fellowship	4	\$1,357,538	6	\$1,404,766
Service	11	\$884,081	7	\$737,268
<b>TOTAL</b>	<b>106</b>	<b>\$31,697,560</b>	<b>121</b>	<b>\$31,865,464</b>

**Table 10**  
**Comparison of Proposal Submissions by College**

	2020-2021		2021-2022	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Arts and Sciences	36	\$12,994,749	38	\$10,647,932
Business	0	\$0	4	\$2,143,025
Health Sciences	35	\$4,158,123	42	\$4,320,097
Nursing	14	\$7,405,207	13	\$5,445,339
Other	12	\$1,660,407	15	\$4,507,620
Professional Education	9	\$5,479,074	9	\$4,801,451
<b>TOTAL</b>	<b>106</b>	<b>\$31,697,560</b>	<b>21</b>	<b>\$31,865,464</b>

Tables 11 and 12 provide the funding rate for the proposals submitted for the past 5 fiscal years.

**Table 11**  
**Funding Rate of All Proposals Submitted**

	Total # Submitted	Proposals Awarded	Proposals Not Awarded	Funding Rate
FY 2017	102	38	64	37.25%
FY 2018	112	31	81	27.68%
FY 2019	116	40	76	34.48%
FY 2020	111	37	74	33.33%
FY 2021	106	39	67	36.79%
FY 2022	121	*	*	*

\* Data not yet complete

**Table 12**  
**Funding Rate of All Research Proposals Submitted**

	Total # Submitted	Proposals Awarded	Proposals Not Awarded	Funding Rate
FY 2017	66	18	48	27.27%
FY 2018	80	18	62	22.50%
FY 2019	90	23	67	25.56%
FY 2020	88	23	65	26.14%
FY 2021	79	22	57	27.85%
FY 2022	90	*	*	*

\* Data not yet complete



**Table 13**  
**Funding Rate of Federal Proposals Submitted**

	<b>Total # Submitted</b>	<b>Proposals Awarded</b>	<b>Proposals Not Awarded</b>	<b>Funding Rate</b>
FY 2017	51	16	35	31.37%
FY 2018	47	12	35	25.53%
FY 2019	51	14	37	27.45%
FY 2020	64	19	45	29.69%
FY 2021	60	23	37	38.33%
FY 2022	65	*	*	*

\* Data not yet complete

### III. Active Projects

Table 14 provides the total amount of active grants each fiscal year by project type based on the beginning date and end date of a budget period.

**Table 14**  
**Active Awards**

	<b>Research</b>	<b>Instruction</b>	<b>Scholarship/ Fellowship</b>	<b>Service</b>	<b>Institutional Support</b>	<b>TOTAL</b>
FY 2017	\$6,400,793	\$6,171,607	\$2,151,085	\$1,760,642	\$211,356	\$16,695,483
FY 2018	\$7,552,526	\$5,459,015	\$2,434,623	\$1,555,583	\$130,000	\$17,161,747
FY 2019	\$6,546,796	\$4,547,425	\$2,095,340	\$1,519,701	\$122,000	\$14,831,262
FY 2020	\$8,203,169	\$2,670,200	\$1,259,370	\$1,267,566	\$92,582	\$13,492,887
FY 2021	\$9,023,605	\$3,412,815	\$1,022,343	\$1,538,158	\$328,582	\$15,325,503
FY 2022	\$11,709,159	\$3,766,561	\$1,624,146	\$1,045,442	\$1,252,855	\$19,398,163

### IV. CARES Funding

Beginning in spring 2020, TWU applied for and received formula funding through the CARES Act: Higher Education Emergency Relief Fund (HEERF). The HEERF provided fast and direct economic aid to the American people negatively impacted by the COVID-19 pandemic and could be used to cover costs associated with significant changes to the delivery of instruction due to the coronavirus and expand support for students with the most significant financial needs arising from the coronavirus pandemic. These funds are primarily managed through the Office of the Controller.

### V. Research Expenditures

Research expenditures include all funds spent by TWU to support research. The Texas Higher Education Coordinating Board's accountability system includes research activity among its indicators. Four state accountability measures relate to the amount of research expenditures reported. The first column below shows total research expenditures, including state-appropriated research funds, indirect costs, external awards, and pass-through funds to other entities with whom TWU collaborates on projects as reported on the Research Expenditure Survey to the National Science Foundation.

**Total Research Expenditures**

FY 2012: \$ 3,853,991  
 FY 2013: \$ 2,562,078  
 FY 2014: \$ 2,497,818  
 FY 2015: \$ 2,199,947  
 FY 2016: \$ 2,878,451  
 FY 2017: \$ 3,937,973  
 FY 2018: \$ 4,821,988  
 FY 2019: \$ 4,252,624  
 FY 2020: \$ 4,134,695  
 FY 2021: \$ 4,672,948  
 FY 2022: \$ 5,781,043

**Federal Research Expenditures**

FY 2012: \$ 1,908,240  
 FY 2013: \$ 1,136,427  
 FY 2014: \$ 960,889  
 FY 2015: \$ 722,307  
 FY 2016: \$ 573,354  
 FY 2017: \$ 944,627  
 FY 2018: \$ 1,040,465  
 FY 2019: \$ 1,864,021  
 FY 2020: \$ 1,700,481  
 FY 2021: \$ 1,513,645  
 FY 2022: \$ 2,091,124

**VI. Comprehensive Research Funds (CRF)**

The Texas comprehensive research fund provides funding from the Texas Higher Education Coordinating Board per [Subchapter E, Sec. 62.091 of the Texas Education Code](#) to promote increased research capacity. The amount is appropriated based on the average amount of restricted research funds expended by each institution per year for the three preceding state fiscal years.

Fiscal Year	Restricted Expenditures	Amount of CRF
FY 2012	\$1,406,182	\$133,076
FY 2013	\$1,521,421	\$133,076
FY 2014	\$1,381,269	\$146,731
FY 2015	\$1,151,951	\$146,731
FY 2016	\$1,331,324	\$135,042
FY 2017	\$1,790,835	\$135,042
FY 2018	\$2,244,224	\$107,572
FY 2019	\$3,554,493	\$107,572
FY 2020	\$3,062,936	\$152,152
FY 2021	\$2,943,320	\$152,152
FY 2022	\$3,203,401	\$240,825

**VII. Facilities and Administrative (Indirect) Costs**

TWU's on-campus federally-negotiated facilities and administrative (F&A) rate during FY 2021 was 42.7% of salaries and wages. The amount of F&A recovered for FY 2012 – FY 2021 is listed below.

FY 2013 .....	\$ 453,650.30
FY 2014 .....	\$ 521,994.51
FY 2015 .....	\$ 567,325.97
FY 2016 .....	\$ 604,431.60
FY 2017 .....	\$ 544,562.26
FY 2018 .....	\$ 480,409.03
FY 2019 .....	\$ 395,008.33
FY 2020 .....	\$ 322,245.29
FY 2021 .....	\$ 363,957.41
FY 2022 .....	\$ 481,529.80



CENTER FOR RESEARCH  
DESIGN & ANALYSIS  
TEXAS WOMAN'S UNIVERSITY

**2021 - 2022**  
**ANNUAL REPORT**







## Annual Report FY22

The Center for Research Design & Analysis (CRDA) provides multi-campus quantitative and qualitative support services to faculty, staff, and students, endeavoring in research. Our purpose is to elevate the quality and quantity of all research across Texas Woman's University, with our primary focus being on assisting in the preparation of grant proposals, faculty publications, and guiding graduate students through the dissertation and theses processes.

### New Projects in FY22 vs. FY21

In **Fiscal Year 21**, the CRDA brought in **282** new projects. The table below, shows the allocations.

#### New Projects FY21

Federal Grants	35
Foundation Grants	10
Internal Grants	9
Faculty Projects	105
Dissertations	91
Thesis	8
Capstone	15
Student Professional Paper	9
Honors Projects	0
<b>TOTAL NEW PROJECTS</b>	<b>282</b>

In **Fiscal Year 22**, the CRDA brought in **232** new projects. The table below, shows the allocations.

#### New Projects FY22

Federal Grants	35
Foundation Grants	9
Internal Grants	3
Faculty Projects	87
Dissertations	68
Thesis	5
Capstone	19
Student Professional Paper	4
Honors Projects	2
<b>TOTAL NEW PROJECTS</b>	<b>232</b>

The data in the above table reflects that in FY22, the CRDA decreased newly supported student projects by 20%, decreased its number of incoming grant projects by 13%, and decreased new faculty projects by 17%.

## **Hanover Grant Academy Collaboration**

Included in our grant projects will be the Hanover Grant Academy Proposals. The purpose of an HGA Cohort is to enrich research oriented faculty with the knowledge and mechanisms necessary for them to be competent and confident in their ability to submit strong, fundable proposals. In FY21, the CRDA assisted with a Hanover Grant Academy (HGA) Cohort of 12. In FY22, the CRDA again assisted with a Hanover Grant Academy Cohort of 12 members.

Cohort members are guided through a step by step process, including guidance in choosing the appropriate funding agency to best align with their research, and knowledge on how to approach their particular agency. The CRDA, in collaboration with HGA, assist with research design, logic models, and fine tuning of proposals. During this process, cohort members are taught the different nuances of grant writing, including the differences in research and program grant writing. The expectation is that the members are prepared to apply for federal funding, once completing the cohort. You will find both FY21 and FY22 Hanover Cohort information, below.

### **FY21**

**HGA Cohort IV** had twelve participants. Of those, one left the university and did not complete the cohort. Of the remaining cohort members, both a PT and NU faculty applied for NIH-R15 grants. Another NU faculty applied for a NIH R03 grant. Members from both CSOH and SOA applied for Spencer grants, and another SOA department member applied for a NEA Research Grant of Arts. The cohort member from ESFL selected a NEH-DHAG. The participant from the HCA department applied for a NIOSH Small Research Grant. A R15 NIAID AREA grant was selected by the BIO department participant. The MATH cohort member opted to apply for a NSF CAREER Program Grant, and finally, the cohort participant from the EDUC department applied for the Chancellor's Research Fellow Program.

### **FY22**

**HGA Cohort V** held 12 participants, stemming from NU, OT, KINES, L& L, HDFSC, CHEM, and LC&G. One cohort member from NU submitted to NSF FPI-TT, while the other NU faculty member did not end up completing submission. One faculty from the OT Department submitted a proposals to AOFT, while another is preparing to submit for a PAR-21-303, the final OT member received an REP for their study, and is on track to submit to the WT Grant Foundation, in fall of 2023. Of the two KINES cohort members, one applied for a RRF Foundation for Aging LOI, as a first step to invitation to the full application, and the other KINES member is working to acquire a smaller grant, via Woodcock, in order to move forward with a R15 NIH application. The L&L faculty received internal funding form the Jane Nelson institute and plans to apply for a federal grant, moving forward. The Cohort member hailing from HDFSC has a plan to apply for a federal Research and Education Grant, in the form of an R25 or R03. An NSF, EPA, or USDA grant was considered by the CHEM Cohort member, after receiving and initial internal grant to assist in the research, however, no further application was made. The LC&G faculty member submitted a proposal to the DOE.

## **CRDA Workshops and Webinars**

The CRDA hosted a wide variety of workshops and events in FY22, for faculty, staff, and students. Our annual Research Kickoff Week was held in September and provided a wide array of different research based topics. The week was composed of **10** different workshops and had a total of **715** participants. This is a 47% increase in participants, compared the CRDA FY21 Research Kickoff Week, which was comprised of **487** participants.

Throughout the year, the CRDA provides quantitative, qualitative, general research, and grant related workshops. In FY22, the CRDA presented a total of **17** different workshops and webinars. Sessions were recorded and made available for later viewing on the CRDA Canvas Page.

The total number of workshop and webinar participants for FY22 was 1288. This is a 13% increase from FY21's total of 1143 participants. Below, is a breakdown of FY22 workshops and webinars hosted by the CRDA, as well as participant count.

**Qualitative Workshops:** 5 workshops, 381 participants

**Quantitative Workshops:** 7 workshops, 410 participants

**General Research Workshops:** 5 workshops, 497 participants

## **Quantitative Data Analysis Assistance**

In addition to open-session workshops, the CRDA also provides a unique service to students who are working through their dissertations or theses. Our quantitative data analysis process allows students access to data preparation training materials and hands on assistance analyzing their data. Students work through their training materials, and upon completion, a meeting is scheduled with a CRDA statistician. These meetings are designed to guide students through the data analysis process, educating them on the intricacies and details of data analysis. Once the student has completed their analysis, they are capable of writing their results chapter with greater competence and confidence.

**In FY21** the CRDA successfully led **44** students through our quantitative data analysis process.

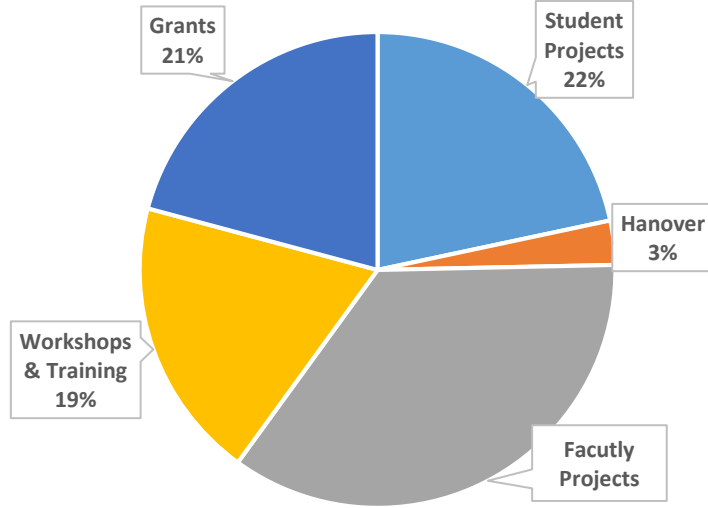
**In FY22** the CRDA successfully led **60** students through our quantitative data analysis process. This represents a **36%** increase in data analysis assistance received by students through the CRDA.

## **CRDA Staff Time Allocation**

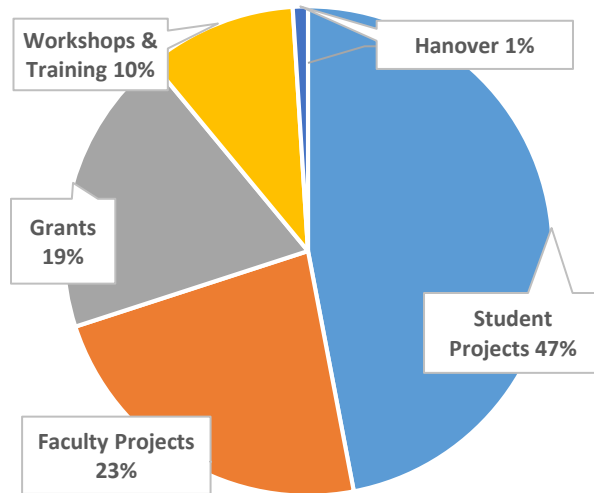
Below, you will find pie charts for the both fiscal year FY21 and FY22. These charts break down CRDA staff member time worked, by project type.

The charts show a **114% increase** in effort spent on student projects, and a 34% decrease on work performed on faculty projects in FY22. There is a 10% decrease in time spent assisting with grants, a 66% decrease in amount of time spent on Hanover Grant Academy and workshop and training effort decreased 47%. From the chart, it is noted that time spent on student projects increased drastically from FY21 – FY22. A shift has occurred, with student support being the most utilized service, by far, in FY22.

**FY21 CRDA Project Time Allocation Chart**



**FY22 CRDA Project Time Allocation Chart**







CENTER FOR  
STUDENT RESEARCH  
TEXAS WOMAN'S UNIVERSITY

# ANNUAL REPORT

**FY 2021-2022**





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Compiled February 20, 2023  
Contact: Dr. Diana Elrod [delrod@twu.edu](mailto:delrod@twu.edu)

### Mission and Purpose

The mission of the Center for Student Research is to enhance the educational experience of students by providing opportunities for meaningful engagement in faculty-mentored research and creative activity opportunities. The purpose of the Center for Student Research is to promote an enhanced educational experience for students by providing opportunities for meaningful interaction between faculty and students through support, education, and programming in research and creative activities. The goals of CSR are to:

- provide opportunities for students to participate in all phases of research and creative activity, from design through dissemination;
- facilitate research partnerships between TWU students and faculty promoting faculty- mentored research opportunities for students;
- facilitate scholarly/creative partnerships between TWU students and faculty promoting faculty-mentored scholarly/creative opportunities for students;
- facilitate research collaboration between graduate and undergraduate students;
- enhance the students' knowledge of all phases of research;
- promote a national presence for TWU students (i.e. National Council for Undergraduate Research - NCUR, Society for the Advancement of Chicanos and Natives Americans in Science - SACNAS); and
- ensure mutual benefit to both students and faculty members.

### AY 2021 - 2022 Highlights

- **Grants** - Over \$43,450 was awarded to both undergraduate and graduate students to support research and the presentation of research. The maximum for each award was \$500 and 94 students (22 undergraduate and 72 graduates) were recipients. See individual award information section.
- **Center for Student Research Workshop Series** - Monthly presentations were provided virtually and topics included the following: *Why Research and Why Should You Think about Internships Now; Graduate School and Research – Tips From the Dean; Developing Your Professional Identity; Personality Styles & Effective Communication – Getting to Know Yourself; Emotional Intelligence and Its Importance to Your Future Successes.*
- **Student Creative Arts and Research Symposium** – For this virtual symposium, over 270 abstracts were accepted for presentation and can be found in the 2022 Student Creative Arts & Research Symposium Program. The Chancellor's Student Research Scholars were selected and received their awards. Students who accepted to the Symposium have been invited to place their research in the TWU Library archives.

## Student Engagement Summary

<b>EVENT</b>	<b># STUDENTS ENGAGED</b>
<b>Student Creative Arts and Research Symposium</b>	
Accepted Abstracts	278
Poster Presentations	134
Platform Presentations	39
Virtual Presentations	105
<b>Total Presentations &amp; Number of Students Engaged</b>	<b>278+*</b>

\*As many abstracts had multiple authors, the actual number engaged is higher than the total number of abstracts.

<b>CSR Student Research and Research Presentation/Publication Grant Awards</b>	
UG	22
GS	71
Post-bac	1
<b>Total Engaged</b>	<b>94</b>

<b>Workshops/Presentations/Individual Meetings</b>	
<b>Total Engaged (UG &amp; GS)</b>	<b>160+</b>
<b>Total Engagements with UG &amp; GS</b>	<b>532+</b>

## 2021-2022 Student Research Grants

<b>Student(s)</b> <b>Mentor</b> <b>Department</b>	<b>Title of Research</b>
Ryan Gordon Dr. Anthony Duplanty Kinesiology	Micro-RNA Mediated Regulation of Myogenesis in Response to Exercise: an In Vitro Model
Adriana Muniz Dr. Xiafen Du Nutrition & Food Sciences	Investigation of Volatile Profiles of Five Pecan Oils Using SAFE-GC-MS Techniques
Hala Samara Dr. Catalina Pislariu Biology	Elucidating lipid binding properties of the <i>Medicago truncatula</i> NPD1 protein
Rebekah Urban Dr. Claudia Porras Pyland Kinesiology	Development and Validation of the Gender Inclusive Rape Myth Acceptance Scale
Emily Zumbro Dr. Anthony Duplanty Nutrition & Food Sciences	Exercise Effects on Aging Skeletal Muscle: An In Vitro Model
Mafia Mahabub Rumpa Dr. Camelia Maier Biology	Building a butterfly garden pollen database and its practical application to the plant-pollinator studies
Briley Casserilla Dr. Della Molloy-Daugherty Music and Theatre	An Analysis of Adaptive Wind Instruments in Music Therapy
Angela Lopez-Ramirez Dr. Danielle Phillips Language, Culture, and Gender Studies	Role of Serotonin Receptor 3 (5HT3) in Trigeminal Pain Processing in Female Rats
Ty Darnell Dr. Pei-Fen Chang Occupational Therapy	Examining changes in social isolation and loneliness in seniors, veterans, minorities and individuals with disabilities using lezhub.
I'ceyonna Ware Dr. Camelia Maier Biology	Estrogenic and Anti-estrogenic Activities of Texas Prickly Ash, <i>Zanthoxylum hirsutum</i>
Alexandra Alcozer Dr. Camelia Maier Biology	Designing a test to identify male and female mulberry at the sapling developmental stage

Taylor Hickman  
Dr. Dayna Averitt  
Biology

Role of Estrogen Receptors in Macrophage Release of Serotonin

Natalia Santos  
Dr. Dayna Averitt  
Biology

Sex Differences in Learned Helplessness and Blood Plasma Corticosterone in a Rat Model of Sub-chronic Stress

Matthew Sokoloski  
Dr. B. Rhett Rigby  
Kinesiology

Muscle Damage and Muscular Performance Following the Physical Abilities Test in Professional Firefighters

Marcella Clinard  
Dr. Claire Sahlin  
Language, Culture, and Gender Studies

Intersections of Religion and Race in Women's and Gender Studies: Possibilities for Teaching Introductory Courses

Jakin Vela  
Dr. James Williams  
Sociology

LGBT Guilds as Virtual Buffers to Sexual Minority Stress

Shenavia Balcom-Luker  
Dr. Monique LeMieux  
Nutrition & Food Sciences

Cholesterogenic and Lipogenic Effects of Whey Protein Isolate in Women with PCOS

LaWanna Fant  
Dr. Jessica Gullion  
Sociology

An Exploratory Study Regarding Lived Experiences of People of Color Hospitalized with Mental ...

Kimberley Stunkard  
Dr. Donna Scott-Tilley  
Nursing

Expressed Needs of Sexual and Gender Minority Students After a Sexual Assault

Vyoma Parikh  
Dr. Hui-Ting Goh  
Physical Therapy

Neural correlates of balance in chronic stroke: a repetitive transcranial magnetic stimulation

Jennifer Dolinta  
Dr. Wyona Frey Steinson  
Nursing

The Journey and Experiences of Female Hispanic Nurse Leaders

Daisy Cantu  
Dr. Dayna Averitt  
Biology

Sex Differences in Allodynia after Microglia Depletion in Brainstem During Orofacial Pain

Henry Sclafani  
Dr. Laura Hanson  
Biology

Analysis of nuclear compaction as a response to viral infection

Shalom Anyiam  
Dr. Jennifer Woo  
Nursing

Perceptions of Black Pregnant Women in Texas on Birth Center and Midwifery Care

Tracie Kirkland Dr. Jennifer Woo Nursing	Examining the link between social support, loneliness, and food insecurity in Black Women 45 and older amid COVID-19
Cailey Padgett Dr. Martin Rosario Physical Therapy	The Impact of Blood Flow Restriction While Pushing a Sled: an exploratory study
Sonia Adhikari Dr. Dayna Averitt Biology	Sex Differences in pERK Expression in Brainstem During Orofacial Pain
Zahra Somani Dr. Adam Jones Human Development, Family Studies, and Counseling	The Role of Gender Expectations on Sexual Communication and Relationship Satisfaction in South Asian Women
Juliza Vidales Dr. Jennifer Woo Nursing	Barriers and Facilitators of Engaging Pregnant Spanish-Speaking Hispanic Women in Research
Kendrick McAdams Dr. David Gardner Mathematics & Computer Science	Man and Machine: The Use of BCI in Computer Science
Mafia Mahabub Rumpa Dr. Camelia Maier Biology	Mechanism of action of Euphorbia bicolor plant latex extracts on ER-positive breast cancer cells
Jessica Hernandez Dr. Nasrin Mirsaleh Kohan Chemistry & Biochemistry	Assessing Efficacy of Chemotherapeutic Platinum-Based Drugs
Matthew Sokoloski Dr. Rhett Rigby Kinesiology	Muscle Damage, Inflammation, and Muscular Performance following the Physical Abilities Test in Professional Firefighters
Jacquelin Medrano Dr. Elisa Na Psychology & Philosophy	Effects of High Fat Diet on Co-Expression of MeCP2 and POMC in the Arcuate Nucleus of the Hypothalamus
Britney Hitt Dr. Manal Rawashdeh-Omary Chemistry & Biochemistry	Synthesis of new Cu(1)- and Ag(1)-based Azolatepolycyclic Arene Complexes
Halima Kouadio Dr. Manal Rawashdeh-Omary Chemistry & Biochemistry	Synthesis of Multiple Polymorphs of Cu(I)-Quinoxaline Coordination Complexes via Alteration of Synthetic Routes
Amaya Gomez Dr. Zane Lybrand Biology	Growing Organoids to Study Traumatic Brain Injuries (TBIs)



<p>Lauryn Daigle Dr. Zane Lybrand Biology</p>	<p>Characterizing cytoskeletal changes in brain organoids exposed to high frequency pressures</p>
<p>Cynthia Jones Dr. Catherine Dutton Human Development, Family Studies, and Counseling</p>	<p>Black women's use of faith and Sista Circles to maintain and sustain their overall well-being while pursuing PhDs</p>
<p>Jennifer Stockemer Dr. Catherine Dutton Human Development, Family Studies, and Counseling</p>	<p>Social-Emotional Development of the COVID-19 Cohort: Early Childhood Educators' Perceptions</p>
<p>Madline Ratoza Dr. Rupal Patel Physical Therapy</p>	<p>Experiences of Physical Therapists with Student Loan Debt</p>
<p>Stefanie Rogers Dr. Noralyn Pickens Occupational Therapy</p>	<p>The Process to Expertise: A Constructivist Grounded Theory Study with Caregivers of Hospitalized Infants with Critical Congenital Heart Disease</p>
<p>Mohammed Lakdawala Dr. Tina Gumienny Biology</p>	<p>Regulation of common target genes by the DBL-1 signaling pathway and BLMP-1</p>
<p>Galen Laprocido Dr. Mandy Golman Health Promotion</p>	<p>Lived experiences of Texas, low-wage, working women with unpaid postpartum leave</p>
<p>Savitha Sundar Dr. Patricia Bowyer Occupational Therapy</p>	<p>Social Inclusion for Students with Extensive Support Need: Relationship Between attitudes and Efforts-A survey</p>
<p>Kathryn Kramer Dr. Ann Malecha Nursing</p>	<p>The Experience of Women Who Take Virtual Childbirth Education Classes</p>
<p>Daniela Zaldivar Dr. Dayna Averitt Biology</p>	<p>The Role of Glutamate Decarboxylase in Ascending Trigeminal Pain Circuits During a Stress Exacerbated Orofacial Pain State</p>
<p>Isabel Obregon Dr. Shanil Juma Nutrition &amp; Food Sciences</p>	<p>Dose Dependent Action of Beetroot Polyphenols on Human Umbilical Vein Endothelial Cells: In vitro Model for Cardiovascular Health</p>
<p>Emily Keene Dr. Dayna Averitt Biology</p>	<p>Development and Characterization of Temporomandibular Joint Disorder (TMD) animal model</p>
<p>Teresa Green</p>	

Dr. Asha Vas  
Occupational Therapy

The Use of a Mental Practice Protocol on Severe Upper  
Extremity Hemiparesis

Ivonne Solano  
Dr. Annette Elias  
Literacy & Learning

Aspirante Bilingual Educators' Development of Critical  
Consciousness: A Critical Qualitative Inquiry

## 2021-2022 Student Research Presentation/Publication Grants

### Students

### Mentor

### Department

### Title of Research Presentation or Publication

Allison Butcher  
Dr. Wayne Brewer  
Physical Therapy

Barriers to Physical Therapy Access in a Public Hospital System

Qin Yang  
Dr. Suzanna Dillon  
Kinesiology

Drums-Alive Intervention Effect on the Motor and Functional Skills in Adolescents with Intellectual Disabilities and Autism Spectrum Disorder: A Pilot Study

Akshaya Arva  
Dr. Christopher Brower  
Biology

The Ligand of Ate1 (Liat1) is an intrinsically disordered protein that participates in nucleolar liquid-liquid phase separation regulated by Jumonji Domain Containing 6 (Jmjd6)

Emilio Rios-Jimenez  
Dr. Annette Torres Elias  
Literacy and Learning

Naranja dulce, limon partido": Conectando a la familia con el folklor para desarrollar la lectoescritura

Meghan Owens  
Dr. Wesley Tucker  
Nutrition & Food Sciences

Food Insecurity and Overweight/Obesity Associated with Poor Diet Quality During COVID-19 Pandemic

Rebekka Girard  
Dr. Rachel N. Simons  
Library & Information Studies

Supporting Inclusive Gaming Communities Through Fostering Online-Offline Hybrid Spaces

Victor Lozada  
Dr. Annette Torres Elias  
Literacy and Learning

Sing, Say, Dance, and Play: Language Development in an Artful Way

Jasmin Manzano  
Dr. Christopher Brower  
Biology

Peripheral leptin administration regulates ATE1 expression

Raven Gallenstein  
Dr. Gustavo Salazar  
Chemistry & Biochemistry

Microwave-assisted alcoholysis of polycarbonate found in electronic-waste

Lia Schuermann  
Dr. Rachel Daugherty  
Language, Culture, and Gender Studies

Constellating Disciplinary Movement: Archiving Methods and Methodologies in Rhetoric and Composition

Emily Gentry  
Dr. Aimee Hendrix-Soto  
Literacy and Learning

Making Time: Valuing Critical Literacy in the Digital Classroom

Abigail Baird  
Dr. Elisa Na  
Psychology & Philosophy

Depressive-like phenotype in mice with Mecp2 knockout in pro-opiomelanocortin neurons

Neebelle Khromachou Dr. Aimee Hendrix-Soto Literacy and Learning	Identity and Inclusion in the Classroom
Meredith Lyons Dr. Rosemary Candelario Dance	Now With Home: A Collective Undoing
Christina Salazar Dr. Elizabeth Kaye Literacy and Learning	Reclaiming Student Stories through TikTok in your Elementary Program
Temiloluwa (Peace) Olaoluwa Dr. Dayna Averitt Biology	Euphorbia bicolor latex extract reduces mechanical allodynia in a rat model of thermal injury
Priscila Frayre Dr. Christopher Brower Biology	Loss in ATE1 May Affect Energy Metabolism Through Leptin
Erica Leone Dr. Jessica Gullion Sociology	The Sociological and Quantum Perceptions of Psychiatric Motherhood
Taylor Hickman Dr. Dayna Averitt Biology	Estrogen and serotonin synergistically enhance the release of interleukin-6 and fractalkine from murine macrophages: a potential mechanism underlying sex differences in pain
Jacqueline Montes Rascon Dr. Jorge Figueroa Teacher Education	Juntxs: Implementing a School/University Partnership to Provide Virtual Support for Emergent Bilingual Students y Sus Familias
Allison Butcher Dr. Wayne Brewer Physical Therapy	Impacts of COVID-19 on an Outpatient Orthopedic Physical Therapy
Christina Thomas Dr. Mary Amanda (Mandy) Stewart Literacy and Learning	Leveraging Secondary Common Core State Standards to Teach Marginalized Histories and Ideas: Possibilities from Teacher-Researchers
Vyoma Parikh Dr. Hui-Ting Goh Physical Therapy	Effect of Non-Invasive Brain Stimulation on Post-Stroke Gait and Balance Recovery: A Scoping Review
Christina Salazar Dr. Elizabeth Kaye Literacy and Learning	Cultivating conocimiento and equity: BIPOC TikTokers resisting colonialism
Zahra Yusufali Dr. Xiaofen Du Nutrition & Food Sciences	Texture and taste flavor characteristics of pecan kernel and the effect of variety

Deahyun Won Dr. Gretchen Busl Language, Culture, and Gender Studies	Alleviating ESL FYC students' Writing Anxiety (Writer's Block) through Exploring and Teaching Rhetorical Criticism with Narrative Perspective on Theresa Hak Kyung Cha's DICTEE and Daehyun Won's Raindrops
Erica Garcia Dr. Juliet Spencer Biology	The Effect of Human Cytomegalovirus Infection on Hormone Receptor Levels in Breast Cancer Cells
Cassidy Duan Dr. Xiaofen Du Nutrition & Food Sciences	Quantitative variation of taste and texture properties in 165 F2 cucumber progenies
Brittney Hitt Dr. Manal Rawashdeh-Omary Chemistry & Biochemistry	Potential tomorrow's generation of traffic light phosphors
Aracely Rodriguez Dr. Cynthia Gill-Sams Communication Sciences & Disorders	SLP-Directed Imitation Intervention for a Non-verbal Child with Autism Spectrum Disorder
Halima Kouadio Dr. Manal Rawashdeh-Omary Chemistry & Biochemistry	Research Integration into Teaching Chemistry Classes and Labs through Investigating a Real-world Problem Such as Plastic Pollution.
Rinki Dasgupta Dr. Christopher Brower Biology	Screening for Genetic Modulators of Arginyl Transferase 1 Employing Human Genome Wide CRISPR Library
Mona Khalil Dr. Carolyn Moore Nutrition & Food Sciences	The Impact of Adding Family Gardening Kits to an After-School Garden Enhanced Nutrition Education (GENE) Program on Skin Carotenoids as a Measure of Vegetable Consumption
Jennifer Stockemer Dr. Catherine Dutton HDFS&C	Potential tomorrow's generation of traffic light phosphors
Camille Shepherd Dr. Catherine Dutton HDFS&C	The Experience of Family Studies Doctoral Students During the Pandemic: A Photo Inquiry
Daisy Cantu Dr. Dayna Averitt Biology	Sex Differences in the Effects of Stress on Inflammatory Orofacial Allodynia, Plasma Corticosterone, and Trigeminal Ganglion Neurons
Regina Newman Dr. Helen Everts Nutrition & Food Sciences	Expression Levels of ALDH1A2 and ALDH1A3 are Altered in Human Tissue Biopsies in Invasive Squamous Cell Carcinoma
Farhan Lakdawala Dr. Tina Gumienny	Small-scale Extraction of <i>Caenorhabditis elegans</i> Genomic DNA

Biology

Shannon Quist  
Dr. Gretchen Busl  
Language, Culture, and Gender Studies

Possible Worlds in Adoptee Ghost Kingdom Narratives

Akshaya Arva  
Dr. Christopher Brower  
Biology

Determining the effect of stress on the nucleolar protein,  
Liat1

Alice McNeill  
Dr. John Beatty  
Chemistry & Biochemistry

NO<sub>2</sub> Capture from a CO<sub>2</sub> / N<sub>2</sub> Non-thermal Atmospheric  
Plasma

Derek Aguilar  
Dr. Richard Sheardy  
Chemistry & Biochemistry

Physical Properties of 12-n-12 Gemini Surfactants

Victor Lozada  
Dr. Mandy Stewart  
Literacy & Learning

Languaging, Literacy, and Love: Educating Emergent  
Bilinguals through a Whole School Approach



**TEXAS WOMAN'S**  
UNIVERSITY™

**2021 – 2022**

# **ANNUAL REPORT**

**MY1CV Program**







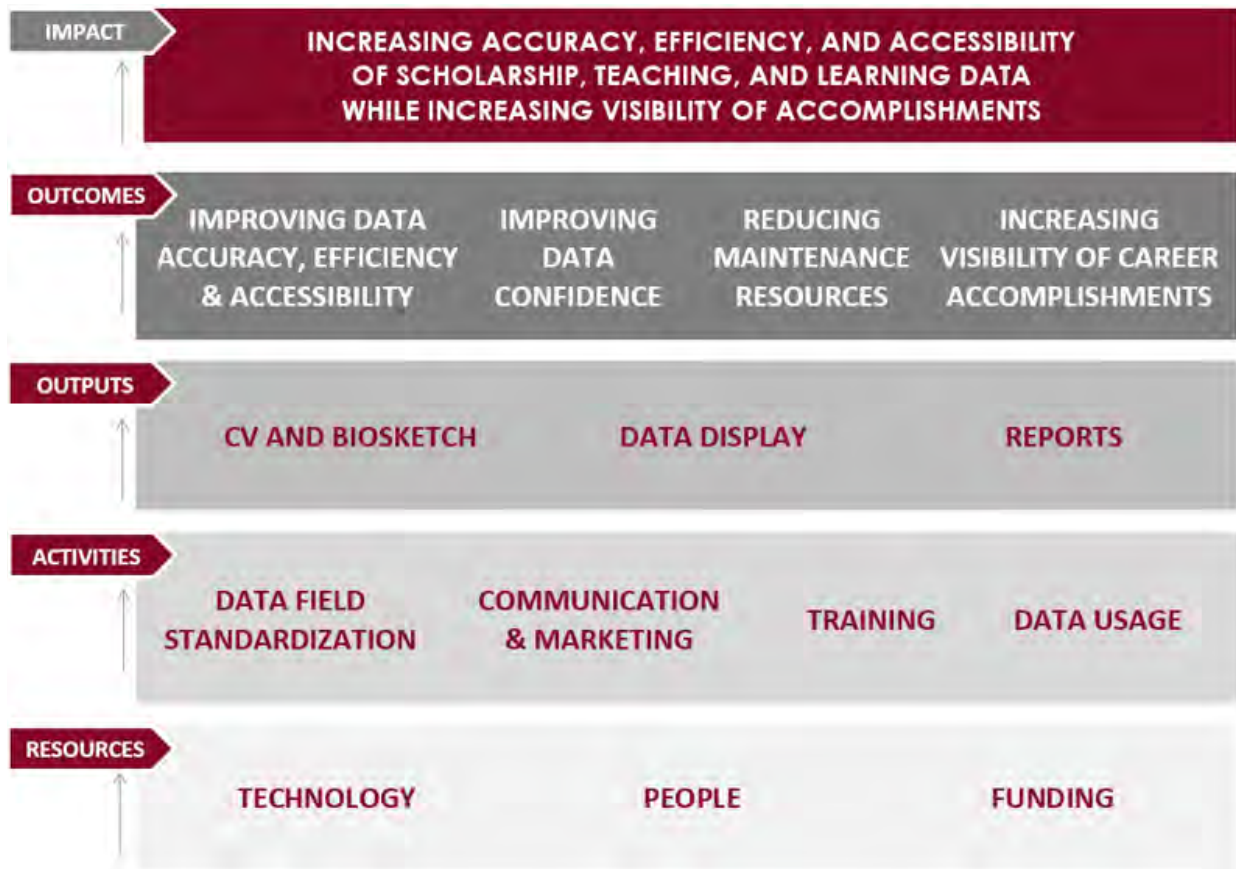
## The MY1CV Initiative Annual Report

### Overview

Conceptualized by Texas Woman’s University in early 2018, MY1CV is a solution to creating online searchable faculty research profiles managed by TWU faculty, staff, and leadership. This project uses activities from a centralized online system and uses these data to populate an online profile template created by TWU Marketing. Additionally used for templates such as CV templates for Graduate Faculty Status (GFS), Promotion & Tenure and Performance Review (PPT), faculty created templates for CV submission to various Associations and Organizations, biosketch templates (NSF or NIH), or various other types of output of promotion of achievement. Through the coordination efforts by the Office of Technology, Marketing, the Office of Research and Sponsored Programs, the TWU Libraries, the Center for Faculty Excellence and Academic Affairs, online profiles of faculty career information display in near real-time on the TWU website, allowing them to be searchable and indexed through Google.

### MY1CV Program Logic Model

The following logic model outlines the resources, activities, outputs, outcomes, and impact of the intended program performance, and acts as guidance in initiative and impact decisions. This logic model coupled with the strategic plan of the university help to structure the goals of the marketing of the faculty and their achievements.



## Technology for MY1CV

Consisting of the CV and Profile data management System called **SEDONA Systems** (Sedonaweb.com). This CV system is a self-service web database that allows members and administrators to maintain teaching, research, service, experience, development, credentials, and assessment records of their career.

## TWU Faculty Profiles

[www.twu.edu/faculty-profiles](http://www.twu.edu/faculty-profiles)

There are three types of Faculty profile templates that populate from the Sedona system based on faculty request: *Research*, *Creative*, or *Faculty*. The activity data pulls from the Sedona System through coding devised by specific field data in Sedona and pushes this activity data to display to the TWU website creating individual faculty profiles. Once faculty update their key activities into the system, a near real-time display of this information populates to their online profile. Making this the primary search source by collaborators, press, students, and researchers for new publications, updated credentials, activities, creative and research interests, and profile biographies and images. The following table displays the refereed records of activities in Sedona for the 2021-2022 academic year, total faculty memberships in each college and their online profiles displayed.

2021-2022 Academic Year			
College and Activities	Refereed Records in Sedona	T, TT, L, I, C Faculty in College^	Online Profiles
Arts & Sciences		167	76
Published Articles in Journal or Encyclopedia	37		
Books, Chapters, Monographs	17		
Exhibitions/Performances	36		
Health Sciences		124	76
Published Articles in Journal or Encyclopedia	157		
Books, Chapters, Monographs.	11		
Exhibitions/Performances	0		
Nursing		108	59
Published Articles in Journal or Encyclopedia	79		
Books, Chapters, Monographs	11		
Exhibitions/Performances	0		
Professional Education		80	38
Published Articles in Journal or Encyclopedia	48		
Books, Chapters, Monographs	19		
Exhibitions/Performances	0		
Business		31	14
Published Articles in Journal or Encyclopedia	38		
Books, Chapters, Monographs	4		
Exhibitions/Performances	0		

## Stakeholders & Academic Leadership

Support for the Sedona System spans across the System and consists of stakeholders for the overall impact of the initiative. Support departments and their involvement in the initiative are outlined as follows:

- **Academic Affairs**, holds the collective resource information for Faculty (faculty onboarding, PPT & PR)
- **Institutional Research**, utilizes the service for reporting on faculty memberships
- **The Office of the Executive Vice President for Academic Affairs and Provost**, Manager funding; hosts the MY1CV resource website, updates and site design by the manager
- **The Office of Research and Sponsored Programs**, provides direction and oversight
- **Marketing & Communication**, website profile template creation and online display support
- **The Office of Technology**, Knowledge Base of the Sedona System functionality and the TDX ticketing system for troubleshooting requests, purchases the annual Sedona Systems user license; provides Web Apps support
- **The Center for Faculty Excellence**, promotion of the program
- **Component Leaders**, directives on department specific Sedona usage; Confirmation of activities
- **TWU Libraries**, publication support for faculty, and repository coordination

## Budget & Financing

The current initiative manager and system costs allow for the maintenance of faculty data and faculty profiles, the training with faculty and the capacity building within departments for staff support of faculty and the Sedona System.

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
<b>Initiative Oversight/Manager*</b>	20,715.54	25,000.00	26,445.96	26,445.96	25,927.92
<b>Travel (Houston Campus)</b>	500.00	1,000.00	0	0	0
<b>Sedona System</b>	13,275.36	12,652.13	13,226.56	13,104.88	13,510.00
<b>Total</b>	<b>34,490.90</b>	<b>38,652.13</b>	<b>39,672.52</b>	<b>39,550.84</b>	<b>39,437.92</b>

\*FY 2018 PT Data Analyst (Non-Employee), 2019-2021 .5FTE Manager

## Data Usage

Data within the Sedona system is used in various formats:

- Web Profiles (faculty, research, creative, staff)
- CV & Biosketch Templates
- Accreditation Reporting (Business, HCA, Nursing)
- TWU Libraries Repository
- Donor request for information
- Ad hoc college/department queries

## Impact & Innovation

### Library Collaboration

In 2019 MY1CV began an interdepartmental process to help Faculty place their published works into the repository at TWU. Through the system queries, MY1CV is able to extract the new works added and the member is able to approve the repository placement. In having this processed streamline, the TWU libraries may increase ranking for the accessible publications, which may increase the overall search engine ranking for TWU, and increases the likelihood that students will access these publications through TWU instead of on other websites.

### Google Reach & Profile Traffic

Faculty-profiles search page had 3,524 total searches from September 1, 2021 — through August 31, 2022. Ranking below the programs-majors search page with 5,516 total searches and ranking above the my-courses search page with 3,095 total searches.

<p><b>Rank of Profile Search Terms 20-21 (21-22)</b></p> <ol style="list-style-type: none"><li>1. Psychology <b>Nursing</b></li><li>2. school psychology <b>occupational therapy</b></li><li>3. occupational therapy <b>physical therapy</b></li><li>4. counseling <b>psychology</b></li><li>5. biology <b>nutrition</b></li><li>6. counseling psychology <b>kinesiology</b></li><li>7. nursing <b>counseling</b></li><li>8. nutrition <b>biology</b></li><li>9. spencer <b>counseling psychology</b></li><li>10. kinesiology <b>school psychology</b></li></ol>	<p><b>Ranked Faculty Profiles Viewed (21-22)</b></p> <ol style="list-style-type: none"><li>1. Ann O. Amuta (1374)</li><li>2. Juliet Spencer (1045)</li><li>3. J. Logan Smilges (986)</li><li>4. Jorge F. Figueroa (685)</li><li>5. Suzanna Dillon (661)</li><li>6. Damon Cottrell (661)</li><li>7. Laura Trujillo-Jenks (653)</li><li>8. Holly Hansen-Thomas (641)</li><li>9. Christian Hart (632)</li><li>10. Zane R. Lybrand (571)</li></ol>
<p><b>Rank of Faculty Profile Departments Visited</b></p> <ol style="list-style-type: none"><li>1. Arts &amp; Science</li><li>2. Health Science</li><li>3. Nursing</li><li>4. Professional Education</li><li>5. Business</li></ol>	<p><b>MY1CV Web Traffic Insights</b></p> <ul style="list-style-type: none"><li>▪ 91,925 views to MY1CV pages with 83,023 unique views</li><li>▪ User stays on a page for an average of 2 minutes and 27 seconds</li></ul>



FY 2022  
Annual Report





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## I. Overview of the Year's Accomplishments

This annual report marks the end of the eighth year of operations for the Woodcock Institute. Since the establishment of the Richard W. Woodcock Endowment and the Woodcock Institute Fund in 2015, the U.S. stock market has consistently yielded positive returns on our two endowments. In 2022, the U.S. economy had some major challenges with the highest spike in inflation in years which resulted in the stock market losing much of its value. Both endowments had significant end of year market value depreciations.

The remnant effects on conducting research due to the COVID-19 pandemic continued through FY22 and brought several challenges to operations. We had to extend the deadlines for several grants that were committed to gathering research data from children and youth as school started back with face-to-face instruction.



Despite these challenges, we had a successful year. In FY22, eleven new research grants were awarded. Five of the research grants were awarded to TWU faculty. In FY22, we awarded one dissertation grant to a TWU graduate student. In total, we awarded \$169,500 in research grants.

In FY22, we received \$1,336,446.88 in royalties from Riverside Insights for the sale of the Woodcock Johnson – Fourth Edition and other tests authored by Dr. Woodcock. In December 2021, the Richard W. Woodcock Endowment Fund received 2 million dollars, which was the second of three yearly payments based on the future WJ royalty buy-out agreement with Riverside Insights. In addition, the Woodcock Endowment Fund earned \$537,885.60 in interest. The FY22 starting fund balance was \$23,337,877.20 and the end of the FY22 fund balance was \$23,061,097.95. This represents a 1.2% decrease in the year-over-year balance due to the decline in the stock market.

The Woodcock Institute Endowment Fund received an additional \$62.50 from the Woodcock-Munoz Foundation for Woodcock-Johnson – Third Edition (WJ III) royalties. This represented the last payment for these royalties. The Woodcock Institute Endowment Fund also received \$52,540.89 in earned interest and lost \$383,784.95 in Market Value. The FY22 starting balance for the Woodcock Institute Endowment Fund was \$2,380,047.52 and the end of the FY22 fund balance was \$2,284,967.67. This represents a 4% decrease in the year-over-year balance due to the decline in the stock market.

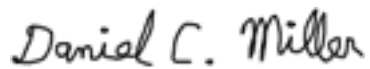
In FY22, the operation of the Woodcock Autism Assessment Clinic continued in collaboration with the University of North Texas' Kristin Farmer's Autism Center. Several doctoral students from the School Psychology Graduate Program, under the supervision of Dr. Wendi Johnson, Associate Professor in the Department of Psychology and Philosophy, completed supervised practicums in both the fall and spring semesters. We also added services from supervised graduate students from TWU's occupational therapy and communication sciences programs.

We started two new initiatives in FY22 that are consistent with our overall mission. We allocated \$10,000 to co-sponsor TWU's Spring Student Creative Arts and Research Symposium. We also established the Woodcock Institute Distinguished Lecturer Award to help support TWU colleges and departments to offset the costs of bringing a nationally known speaker to campus in person, or virtually, to share her/his expertise with TWU. Dr. Denise E. Maricle, Professor in the School of Social Work, Psychology and Philosophy at Texas Woman's University was selected as the



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We look forward to FY23 and are excited about the work accomplished through the Woodcock Institute.

A handwritten signature in black ink that reads "Daniel C. Miller". The signature is written in a cursive style with a clear, legible font.

Dr. Daniel C. Miller  
Executive Director

## II. Annual Accomplishments

### A. Future Royalties Buyout Agreement with Riverside Insights

As a reminder, in FY 20, Dr. Woodcock agreed to transfer the property rights for future WJ edition royalties to Texas Woman's University (TWU) and Western Oregon University (WOU). Once the transfer of future royalty agreements were signed, Riverside Insights entered into agreements with TWU and WOU to buy-out future WJ royalties. Riverside Insights agreed to pay Dr. Woodcock's designees (TWU and WOU) \$8,500,000 over a three year period in lieu of paying future royalties for subsequent WJ editions. TWU will receive 2/3rds of the \$8.5 million dollars (payable to the Richard W. Woodcock Endowment Fund) and the other 1/3 will be paid to WOU. The buyout payments to TWU will occur over a three-year period on this schedule:

2020 - \$2,000,000 – payable on 12/10/20  
2021 - \$2,000,000 – payable on 12/10/21  
2022 - \$1,666.500 – payable on 12/10/22

The second royalties buy out payment of \$2 million was received on 12/10/21 and transferred to the Richard W. Woodcock Endowment Fund.

### B. Richard W. Woodcock Distinguished Research Fellowship

In FY22, the Richard W. Woodcock Distinguished Research Fellowship (DRF) guidelines were established with the intent to fund this award for the 2022-23 academic year. The DRF is an annual competitive grant awarded to U.S. universities or other not-for-profit educational entities to provide release time for one individual to pursue research/scholarly projects that are consistent with the mission of the Woodcock Institute. The Woodcock DRF is intended to provide support for individuals with an established research record with grant funds used to offset a portion of the recipient's salary and fringe benefits for the chosen grant period. The grant funds may not be used for any other expenses other than salary and fringe benefits. The grant recipient may choose to receive funding for a period of 6 months or funding spread out over a full 12-month period. The grant applicant must specify the requested grant funding period which allows them sufficient time to complete their proposed research project(s).

The grant recipient is required to receive reduction in their normal job duties from their employer commensurate with the total amount awarded for the grant period. The fellowship grant provides the recipient time to conduct original research and disseminate findings or to produce books, monographs, peer-review-articles, e-books, or digital materials based on their prior research. Grant applicants must articulate in their application a clear research agenda with timelines and a description of the final work products. The grant request may not exceed \$130,000 in total, with salary capped at \$100,000 and fringe benefits capped at \$30,000, unless approved by the Executive Director of the Woodcock Institute.

Dr. Denise E. Maricle, Professor in the School of Social Work, Psychology and Philosophy at Texas Woman's University was selected as the first recipient of the 2022-23 Richard W. Woodcock Distinguished Research Fellowship Award.

### **C. Affiliate Faculty Members**

During the 2017-18 academic year, the Woodcock Institute staff initiated a process for TWU faculty to apply to become affiliate faculty with the institute. ***At the start of FY23, we have 25 affiliate faculty members.*** We have affiliate faculty members from all three campuses spread across eight disciplines.

Affiliate faculty status is open to all full-time TWU faculty members who are currently conducting or are interested in conducting research which is consistent with the mission of the Woodcock Institute.

The benefits of affiliate faculty status are:

1. being invited to a Fall and Spring luncheon to network with other TWU faculty members and share research ideas.
2. establishing a research identity with the Woodcock Institute which may help faculty secure external funding.
3. listing "Woodcock Institute Affiliate Faculty" on the faculty member's CV.

### **D. The Woodcock Autism Assessment Clinic Operations**

The UNT Autism Center is a day treatment facility for children and youth who have been identified with Autism. The Autism Center did not have a mechanism to identify Autistic children so the establishment of an assessment clinic would meet a community need, offer training opportunity for TWU graduate students, and develop future research opportunities. In the Fall of 2020, the Woodcock Autism Assessment Clinic (WAAC) was established at the UNT Autism Center.

Funds were budgeted for FY22 to pay for a part-time Assistant Clinical Assistant Professor for the Department of Psychology and Philosophy to be assigned to the School Psychology Doctoral program. The cost of that part-time position was split between the Woodcock Institute and the UNT Autism Center, and as a result of that hire, Dr. Wendi Johnson was released from her normal TWU duties for .25 FTE to work in the WAAC.

The WAAC started in the fall of 2020 on a limited basis despite the challenges of the ongoing pandemic. Doctoral students from TWU's School Psychology program were the first participants in the WAAC operations in FY21. The goal of the Woodcock Institute was always to increase the number of academic disciplines involved in the WAAC operations to offer a true multidisciplinary experience for the children and families being assessed in the clinic as well as offering that enriched experience for the TWU practicum students. Starting in the fall of 2021, graduate students from the school psychology, speech and language, and occupational therapy programs participated in the multidisciplinary WAAC operations.

#### **Fall, 2021 Semester WAAC Operations:**

This was the third semester of the WAAC clinic. The WAAC provided supervision for four school psychology doctoral students (two advanced doctoral students and two 2<sup>nd</sup> year doctoral students) who completed a 1 credit, clinical practicum through the WAAC under the field supervision of Dr. Wendi Johnson. The number of hours logged per student was 98 hours, respectively.

The advanced doctoral students were paired with an earlier student for a mentorship relationship throughout each case experience. The clinic served a total of 7 client families this semester, 6 from the community and 1 re-evaluation of a student currently being served at KFAC. Each doctoral student pair was able to take the lead on three or four cases each. Logs of the specific activities were maintained and are filed in each student's master file. Secondary supervision was provided by Dr. Julie Herbstrith, TWU School Psychology faculty.

In addition, the Occupational therapy professors (Drs. Shierk and Roberts) had one doctoral student able to participate in assessments and the COMS program had 4 masters' students as part of the evaluation process under the supervision of Ms. Alison Brocket. The full team completed interdisciplinary assessments and case conceptualization for all six community-based clients.

### **Spring, 2022 Semester WAAC Operations:**

The WAAC provided supervision for 4 school psychology doctoral students who completed a 1 credit, clinical practicum through the WAAC under the field supervision of Dr. Wendi Johnson. The number of hours logged per student ranged across the four students at 59, 70, 75, and 113 hours respectively. The advanced doctoral students were paired with an earlier student for a mentorship relationship throughout each case experience. The clinic served a total of 6 client families this semester, 4 from the community and 2 re-evaluations of a student currently being served at KFAC. Logs of the specific activities were maintained and are filed in each student's master file. Secondary supervision was provided by Dr. Heather Arduengo, adjunct faculty for School Psychology. In addition, the Occupational therapy professor, Dr. Heather Roberts, had 3 masters students able to participate in assessments and the COMS program had 2 masters' students as part of the evaluation process under the supervision of Ms. Alison Brocket. The full team of twelve completed interdisciplinary assessments and case conceptualization for all seven clients.

### **E. Trainer's Dinner at National Association of School Psychologist (NASP) Annual Conference**

Due to the ongoing COVID pandemic the face-to-face meeting of the National Association of School Psychologist (NASP) was converted to a virtual conference. As a result, the Woodcock Dinner for trainers of school psychologists was not held in February of 2022. The Woodcock Dinner is planned for the February 2023 NASP Conference which will be held face-to-face in Denver, CO.

### **F. Refining the Daily Operations of the Woodcock Institute**

During our fifth year of operations, Jacque Endres, Woodcock Institute Grant Coordinator has continued to work with the Office of Research and Sponsored Programs to refine the budget management of both the internal and external grants. We have also worked closely with the Office of University Advancement in coordinating how external income is allocated.

### III. Grants

The Woodcock Institute has research grants available to both internal TWU applicants and external applicants. The research topic must be related to the mission of the Woodcock Institute, which is the advancement of neurocognitive research and translation of neurocognitive research into practice. Research proposals are competitive and are reviewed by three reviewers, including the Executive Director of the Woodcock Institute.

#### A. Completed Research Grants

Numerous grants were completed in FY22 which had been funded in previous years. There were several grants which had to be extended due to restrictions passed on data collection due to the pandemic. When a final report is received for a grant or a publication or poster presentation based on the research, these work products are posted in the Woodcock Institute's website for the completed grants, respectively.

#### B. Funded Research Grants through FY22

Despite the ongoing COVID pandemic, eleven research grants were awarded in FY22. Five of the research grants were awarded to TWU faculty members.

Principal Investigator(s)	Project Title	Institution	Funding Period	Amount Awarded
PI - Dr. Cory Alcon Co PI - Dr. Sharon Wang-Price	The Effect of Combining Pain Neuroscience Education and Transcranial Direct Current Stimulation on Pain Catastrophizing, Kinesiophobia, and Pain in Patients with Chronic Low Back Pain	High Point University	6/1/22 - 6/30/23	\$15,000
PI – Dr. Alfonso Caramazza Co PI - Seda Akbiyik	Neural Representation of Motion Events: The Role of Agency	Harvard University	6/1/22 - 12/31/23	\$15,000
PI - Dr. Laura Eddy Co PI - Dr. Jillian Dawes	A Brief Intervention to Promote Academic Strategy Use among Cadets at a Military College: Impact on Academic Self Efficacy and Strategy Use and Importance of Baseline Cognitive Profiles	The Citadel	8/01/22 - 09/30/23	\$15,000
PI – Dr. Sharon Baker Co PI - Dr. Tamby Allman	Sequencing the Developmental Trajectory of Fingerspelling in Young Children who are Deaf or Hard Hearing	Texas Woman's University	7/01/22 - 12/31/23	\$15,000
PI – Dr. Hui- Ting Goh Co PI's – Dr. Vyoma Parikh & Dr. Ann Medley	Role of Cerebellum and Motor Cortex in Balance and Cognition in Chronic Stroke: A Repetitive Transcranial Magnetic Stimulation (rTMS) Study	Texas Woman's University	5/01/22- 8/31/23	\$15,000

Dr. Scott Decker	Dr. Scott Decker	University of South Carolina	9/20//22-8/31/23	\$15,000
PI – Dr. Hui-Ting Goh Co PI’s – Dr. Jill Stewart, Dr. Kevin Becker	Neuro-efficiency: Neural Basis of Perceived Effort during Movement	Texas Woman's University	1/01/22-12/31/23	\$15,000
Dr. Michael Matta	Assessing the Simple View of Writing in School-Age Students with ADHD	University of Houston	12/01/21-6/30/23	\$15,000
PI – Dr. Sabrina Pickens Co PI – Dr. Maureen Beck	Feasibility of Measuring Frailty in Vulnerable Older Adults with Dementia	Texas Woman's University	12/1/21-11/31/22	\$15,000
Dr. Wesley Tucker	Validation of Dietary Assessment Tools in Stroke Patients	Texas Woman's University	12/1/21 - 4/30/22	\$15,000
PI – Dr. Kathleen Viesel Co-PI – Dr. Erika Oak	Practitioner Errors on the Woodcock-Johnson IV Tests of Cognitive Abilities (WJ IV Cog)	Fairleigh Dickinson University	1/1/22 - 12/31/22	\$14,500

**C. Dissertation Grants for FY22**

Graduate Student(s)	Project Title	Institution	Funding Period	Amount Awarded
Victor Lozada	The Relationships Among Music Aptitude, Phonological Awareness, and Morphological Awareness in Spanish-English Emergent Bilingual First Grade Students	Texas Woman's University	12/1/21 to 12/31/22	\$5,000

## IV. FY22 and FY23 Budgets

### A. FY22 Income

Table 1.1 Budgeted FY22 Income versus Actual FY22 Income and Projected Income for FY23

Income			
	Budgeted Income FY22	Actual Income FY22	Estimated Income FY23 <sup>1</sup>
<b>Richard W. Woodcock Endowment Fund</b>			
<b>Riverside Insights – WJ IV Royalties</b>			
2 <sup>nd</sup> Quarter 2020 Royalties	\$ 300,000	\$354,203.11	\$ 300,000
3 <sup>rd</sup> Quarter 2020 Royalties	\$ 250,000	\$315,686.32	\$ 275,000
4 <sup>th</sup> Quarter 2020 Royalties	\$ 250,000	\$352,707.35	\$ 275,000
1 <sup>st</sup> Quarter 2021 Royalties	\$ 200,000	\$313,850.20	\$ 250,000
<b>Total Riverside Insights WJ IV Royalties (4 quarters)</b>	<b>\$1,000,000</b>	<b>\$1,336,446.88</b>	<b>\$1,100,000</b>
<b>Riverside Insights – Future WJ Royalties Buyout</b>	<b>\$2,000,000</b>	<b>\$2,000,000.00</b>	<b>\$1,666.500</b>
<b>EOY Interest Earned</b>	<b>\$ 325,000</b>	<b>\$537,885.60</b>	<b>\$ 400,000</b>
<b>EOY Market Value Appreciation/Depreciation</b>	<b>\$2,500,000</b>	<b>(\$4,151,111.73)</b>	<b>&lt;\$1,000,000&gt;</b>
<b>Total Income for Woodcock Endowment Fund</b>	<b>\$5,825,000</b>	<b>(\$276,779.25)</b>	<b>\$2,166,500</b>
<b>Woodcock Institute Endowment Fund</b>			
<b>Woodcock-Munoz Foundation (WMF) – WJ III Royalties</b>			
2 <sup>nd</sup> Quarter 2020 WMF Royalties	\$ 250	\$ 62.50	\$ 0
3 <sup>rd</sup> Quarter 2020 WMF Royalties	\$ 0	\$ 0	\$ 0
4 <sup>th</sup> Quarter 2020 WMF Royalties	\$ 0	\$ 0	\$ 0
1 <sup>st</sup> Quarter 2021 WMF Royalties	\$ 0	\$ 0	\$ 0
<b>Total WMF WJ III Royalties (4 quarters)</b>	<b>\$ 250</b>	<b>\$ 62.50</b>	<b>\$ 0</b>
<b>Schoolhouse Educational Services (Test Royalties)</b>	<b>\$ 500</b>	<b>\$ 0</b>	<b>\$ 300</b>
<b>Donation from Dr. Richard W. Woodcock</b>	<b>\$ 0</b>	<b>\$200,000.00</b>	<b>\$ 0</b>
<b>Donation from Riverside Insights for the Woodcock Dinner at NASP</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 5,000</b>
<b>EOY Interest Earned</b>	<b>\$ 30,000</b>	<b>\$ 52,540.89</b>	<b>\$ 20,000</b>
<b>EOY Market Value Appreciation/Depreciation</b>	<b>\$300,000</b>	<b>(\$383,784.95)</b>	<b>&lt;\$80,000&gt;</b>
<b>Total income for Woodcock Institute Fund</b>	<b>\$330,750</b>	<b>(\$131,181.56)</b>	<b>&lt;\$52,000&gt;</b>

<sup>1</sup>Estimate

### **Richard W. Woodcock Endowment Fund FY22 Income**

The estimated WJ IV royalty income for FY22 was \$1,000,000, which was higher compared to the FY21 actual income (\$897,241.82) due to projected increases in spending as the recovery from the pandemic continued. The total Riverside Insights WJ IV royalties for FY22 ended up being \$1,335,466.88, which was 33.5% more than we budgeted.

As previously mentioned in this report, Riverside Insights paid the second installment of the advanced royalties buy-out for two million dollars in December of 2021. The Woodcock Endowment Fund earned \$537,885.60 in end-of-year interest. Due to the poor stock market performance in FY22, the fair market value of the entire Woodcock Endowment decreased by a little over four million dollars.

### **Richard W. Woodcock Endowment Fund Estimated FY23 Income**

For FY23, the WJ IV royalties were conservatively estimated to be \$1.1 million dollars. In December 2022, the Riverside Insights will pay the third and final installment of the advanced royalties buy-out for \$1,666,500. End-of-year interest income is estimated to be \$400,000 and the fair market value of the total endowment is dependent upon the fluctuations in the stock market.

### **Woodcock Institute Endowment Fund FY22 Income**

The WJ III Royalty income (\$62.50) was still being passed through the Woodcock-Munoz Foundation (WMF) to TWU since the Woodcock Institute was founded. FY22 will be the last year that any residual royalties will be received from the WMF, as that foundation will be dissolved. Dr. Woodcock donated \$200,000 to the endowment fund in December 2021.

The Woodcock Institute Endowment Fund earned \$52,540.89 in end-of-year interest. Due to the poor stock market performance in FY22, the fair market value of the entire Woodcock Endowment decreased by \$331,181.56.

### **Woodcock Institute Endowment Fund Estimated FY23 Income**

For FY23, the only projected income is estimated to come from royalties from the Schoolhouse Educational Services for one of Dr. Woodcock's test (\$300) and from a donation from Riverside Insights (\$5,000) to help offset the cost of the Woodcock Dinner at NASP. The end of the year interest is estimated to be \$20,000 and the fair market value of this endowment is dependent upon the fluctuations in the stock market.

## **B. Distribution of Income**

There are two funds related to Dr. Woodcock's generous gifts. The Richard W. Woodcock Endowment Fund (originally created in September 2015 with an initial deposit of \$8,743,802.71) and the Richard W. Woodcock Institute Endowment Fund (originally created in December 2015 with an initial deposit of \$200,000).

The creation of the second Institute Endowment Fund was created to allow greater flexibility in Dr. Woodcock's planned gift giving. WJ III royalties from the WMF are directed to the Institute Endowment Fund and WJ IV royalties are directed to the original Woodcock Endowment Fund. Dr. Woodcock has the discretion as to which fund he would like to donate additional monies in the



future. As of the end of FY22, the WJ III royalties passed through the Woodcock-Muniz Foundation will stop, since the Woodcock-Munoz Foundation will be dissolved. Figure 1 illustrates the various sources of income and how they are allocated to the two Woodcock Endowment Funds.

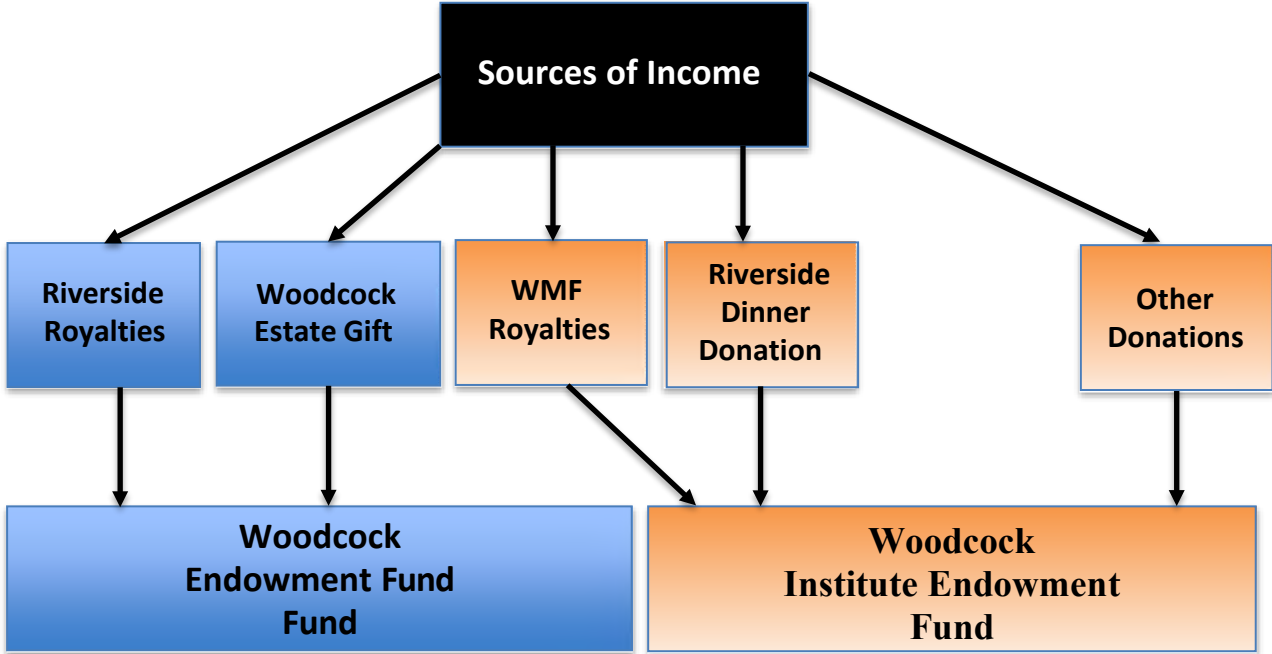


Figure 1. Sources of income for the two Woodcock Endowment Funds.

The **Richard W. Woodcock Endowment Fund’s** principle source of continued funding comes from the Riverside Insights royalties from the sale of the Woodcock-Johnson IV Tests of Cognitive, Achievement, and Oral Language. Two other sources of income for the Richard W. Woodcock Endowment, not shown in Figure 1, are the annual return on investments of the fund’s balance, and the realized market gains or losses on the total account assets.

The **Woodcock Institute Endowment Fund** has multiple sources of income, as shown in Figure 1. In 2015, the Woodcock-Munoz Foundation (WMF) transferred the bulk of their cash assets to TWU to create the Richard W. Woodcock Endowment Fund. However, the WMF still received royalties from Riverside Insights based on the sale of the previous version of the Woodcock-Johnson Tests (the WJ III). WMF passed on these royalties to the Woodcock Institute Endowment Fund on a quarterly basis. As previously mentioned, the royalties from the WMF will stop at the end of FY22.

In the past several years, Riverside Insights has co-sponsored the annual dinner for trainers of school psychologists which is held in conjunction with the National Association of School Psychologists Annual Convention. HMH (Riverside Insights) donated \$2,600 the first year of the Woodcock Institute, increased their donation to \$5,000 for FY17, increased their donation to \$7,500 for FY18, \$5,000 for FY19, and \$5,000 for FY20. Riverside Insights did not donate anything for FY21 and FY22 since the Woodcock dinner was cancelled for those years. Riverside Insights has committed to donate \$5,000 for the February 2023 dinner at NASP.

Other donations, such as end-of-the-year donations by Dr. Woodcock from his business are also potential sources of income. In December of 2020, Dr. Woodcock donated a sizable gift of \$500,000 to the Woodcock Institute Endowment Fund. Starting in the FY20, Dr. Woodcock donated his royalties from the Schoolhouse Educational Services, LLC which sells his Woodcock-Camarata Articulation Battery (WCAB). The only other source of income, not shown in Figure 1, is the return on investments of the funds balance.

### **C. FY22 Woodcock Endowment Fund Expenses**

Table 1.2 shows the budgeted FY22 expenses versus the actual FY22 expenses and the estimated FY23 expenses. We budgeted \$518,911 in expenses for FY22 and actually spent \$527,714.

Office supplies expenditures for FY22 equaled \$843. A national solution-oriented conference was budgeted for up to \$25,000 but no one applied to host an event in FY22. Dr. Wendi Johnson, Associate Professor in the School of Social Work, Psychology and Philosophy requested funding (\$5,000) for expenses to bring a nationally known trainer for the assessment of autism on campus as a guest speaker and to meet with faculty and students. We budgeted \$10,000 to co-sponsor the TWU Spring Research Symposium and \$9,418 was spend. In FY21, the Woodcock Institute agreed to sponsor a keynote session at the annual Southwestern Psychological Association Annual (SWPA) Conference. The inaugural Woodcock Keynote Address at the Spring 2021 conference was delivered by Dr. Miller and there were no costs associated with this event. In FY22, Dr. Susan Raiford was the keynote speaker at SWPA for the Spring 2022 conference. Eleven research grants were awarded for a total of \$164,500. In FY22, \$119,560 of the total amount of grant funds awarded has been expended in this fiscal year. One dissertation grant was awarded for \$5,000 in FY22. The grant reviewer stipends along with associated fringe benefits were paid in FY22 and there were no travel expenses.

### **D. FY23 Estimated Woodcock Endowment Fund Expenses**

The annual operating budget for FY23 is \$710,064 with total estimated expenses of \$667,669.

Total wages and fringe benefits for FY23 reflect are increased from FY22 due to increased costs. We are budgeting for twelve \$15,000 grants to be awarded (total = \$180,000) and three \$5,000 dissertation awards (total = \$15,000) in FY23. In FY23, two \$5,000 grants are budgeted to fund Distinguished Lecturer Grants. The Woodcock Institute has also agreed to continue to co-sponsor the TWU Spring Research Symposium for \$10,000 in FY23. For FY23, \$5,000 has been budgeted to be used by SWPA to pay an honorarium and travel expenses for a nationally known speaker to deliver the Woodcock Institute-sponsored keynote address. All other budgeted expenses are similar from the FY22 to FY23 budgets.

### **E. FY22 and FY23 Woodcock Institute Endowment Expenses**

The FY22 expenses for the Woodcock Institute Endowment Fund were minimal. Dr. Miller visited Dr. Woodcock in San Diego, CA to work on a project (\$1,027 travel expenses) and Karen DeVault was paid for some data analyses (\$1,209). A \$1,500 deposit was paid to the Appaloosa Grill in Denver for the 2023 Woodcock Dinner. Expenses for FY23 will include the Woodcock Dinner at the National Association of School Psychologists conference. There will be minimal expenses beyond that.

Table 1.2

## Woodcock Institute Budgeted FY22 Expenses versus Actual FY22 Expenses and Estimated FY23 Budgeted Expenses

<b>Expenses for the Woodcock Institute</b>			
	Budgeted Expenses FY22	Actual Expenses FY22	Estimated Budget FY23
<b>Balance Carryover from Previous Year</b>	\$138,576.80	\$160,908	\$168,064
<b>Distribution from University Advancement for annual M&amp;O</b>	\$435,000.00	\$435,000	\$542,000
<b>Total Available Budgeted Funds</b>	\$573,576.80	\$595,908	\$710,064
<i>University Overhead (5% of new requested monies)</i>	-\$ 21,750	-\$ 22,950	-\$ 27,100
<b>Expenses</b>			
Salaries:			
Dr. Daniel C. Miller, Executive Director	-\$112,871	-\$114,040	-\$117,461
Jacque Endres, Grants Coordinator	-\$ 54,245	-\$ 55,022	-\$ 56,673
Hannah Hagler, part-time research assistant	-\$ 7,000	-\$ 6,082	-\$ 7,000
.25 FTE. Assistant Visiting Professor to release Dr. Johnson to work in the UNT Autism Center	-\$ 8,125	-\$ 8,125	-\$ 8,125
Richard W. Woodcock Distinguished Research Fellowship - Dr. Denise Maricle (2022-23)	-\$100,000	-\$125,000	-\$130,000
Fringe Benefits (separates fringe benefits from budgeted salaries):	-\$ 44,000	-\$ 46,674	-\$ 50,000
<b>Total Wages &amp; Fringes for WI staff</b>	-\$227,241	-\$354,943	-\$369,259
Maintenance & Operations (Office Supplies)	-\$ 10,000	-\$ 843	-\$ 10,000
National Solution-Oriented Conference	-\$ 25,000	-\$ 0	-\$ 25,000
Distinguished Lecturer Grant	-\$ 10,000	-\$ 5,000	-\$ 10,000
Co-Sponsor the TWU Spring Research Symposium	-\$ 10,000	-\$ 9,418	-\$ 10,000
Woodcock Keynote at SWPA Annual Conference	-\$ 5,000	-\$ 5,000	-\$ 5,000
Actual Grant Expenditures	-\$180,000	-\$119,560	-\$180,000
Dissertation Grants Awarded	-\$ 15,000	-\$ 5,000	-\$ 15,000
<b>Total M&amp;O</b>	-\$255,000	-\$144,821	-\$255,000
Grant Reviewer's Stipends:			
<i>Dr. John Terrizzi &amp; Dr. Chris Hart</i>	-\$ 5,000	-\$ 5,000	-\$ 5,000
Travel	-\$ 10,000	-\$ 0	-\$ 11,310
<b>Total Budgeted Expenses</b>	-\$518,911	-\$527,714	-\$667,669

## E. Beginning and Ending Yearly Balances in Endowment Funds

The beginning balances and the estimated ending balances for each of these funds is shown

### Richard W. Woodcock Endowment Fund

09/01/21	Beginning Balance	\$23,337,877.20
08/31/22	Ending Balance	\$23,061,097.95

### Woodcock Institute Endowment Fund

09/01/21	Beginning Balance	\$ 2,380,047.52
08/31/22	Ending Balance	\$ 2,284,967.67

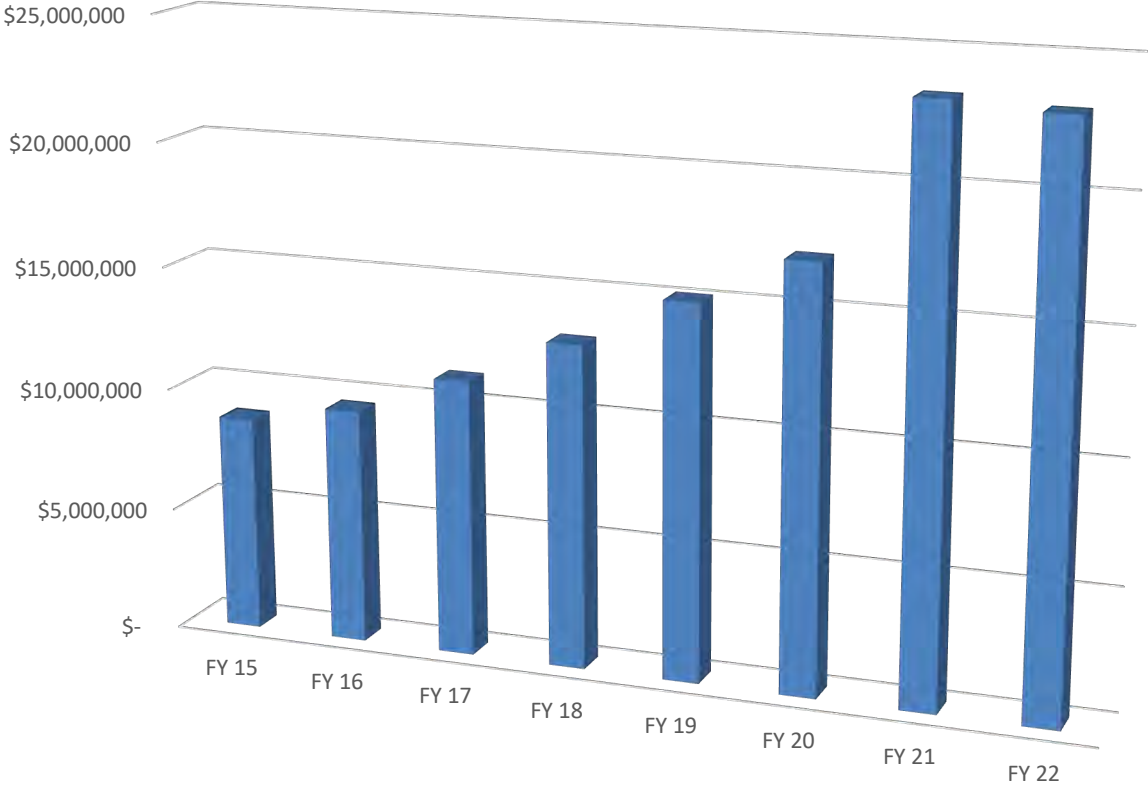
The figures above represent the ending fiscal year balances for both of the Woodcock Endowment Funds after yearly expenses. Both endowment funds continue to grow as a result of continued income streams, increased interest yields, and conservative spending.

### End of Fiscal Year Balances for the Two Endowment Funds

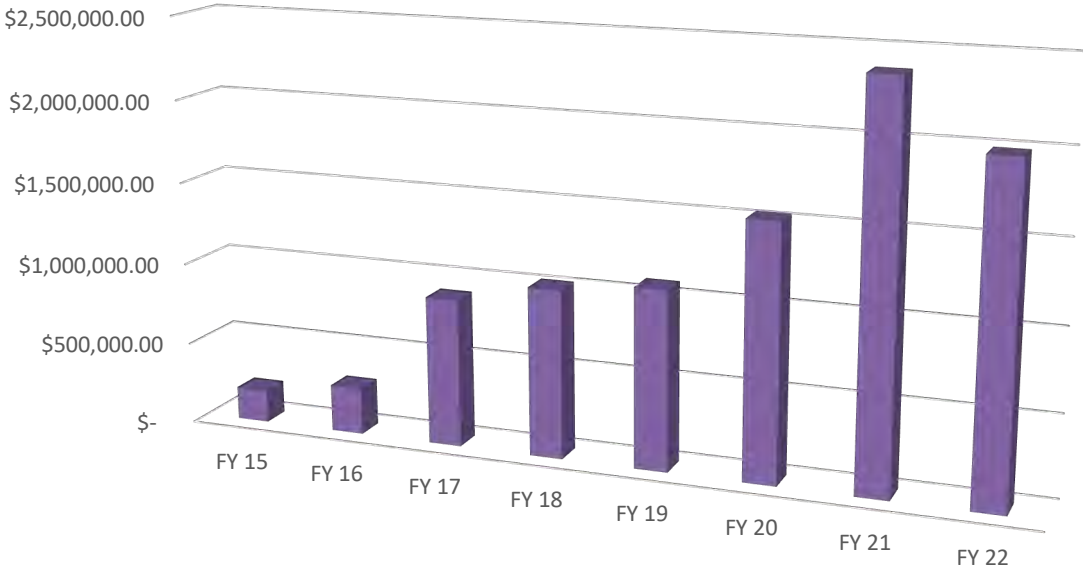
	FY15	FY16	FY17	FY18	FY19
Woodcock Endowment Fund	\$8,743,803	\$9,528,879	\$11,187,107	\$13,066,849	\$15,116,774
Woodcock Institute Fund	\$200,000	\$285,000	\$900,632	\$1,022,931	\$1,086,611
Totals	\$8,943,803	\$9,813,879	\$12,087,739	\$14,089,780	\$16,203,385

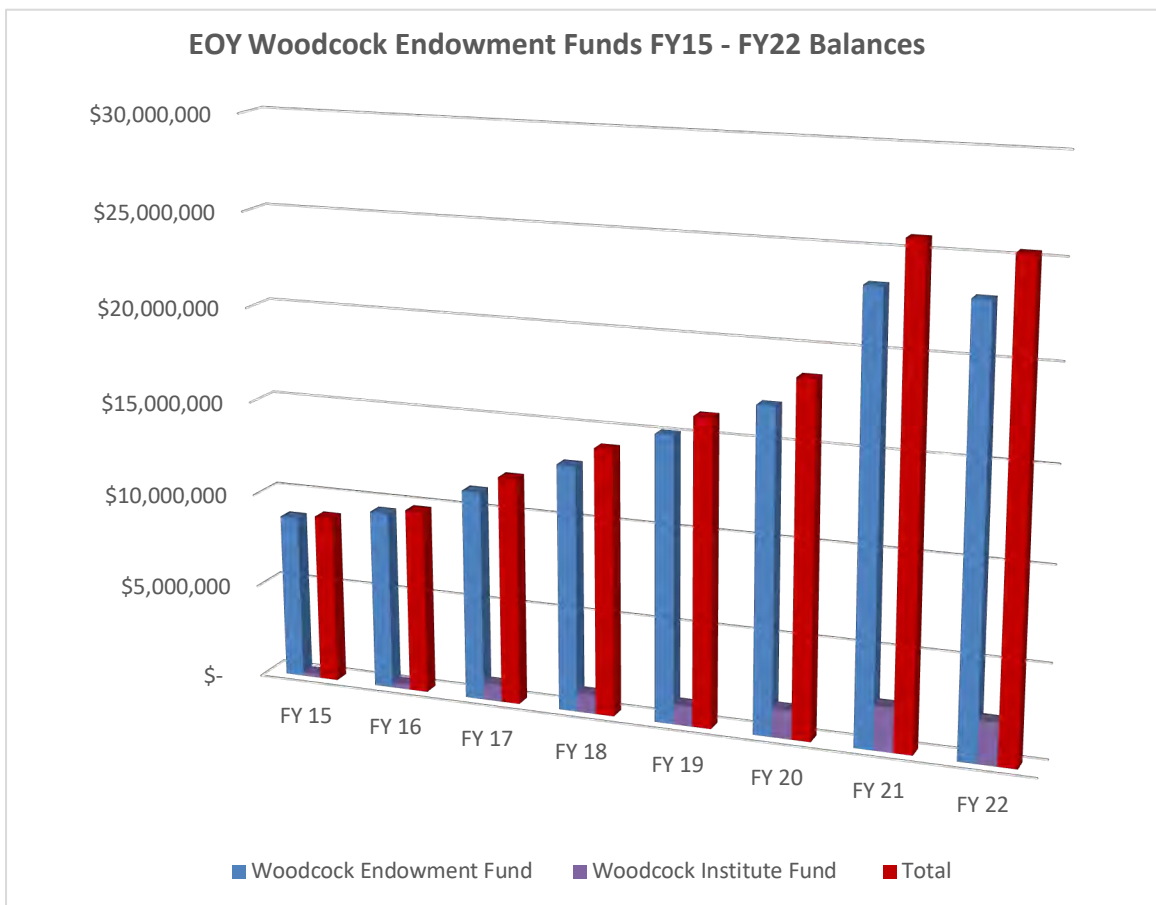
	FY20	FY21	FY22
Woodcock Endowment Fund	\$17,049,568.43	\$23,337,877.20	\$23,061,097.95
Woodcock Institute Fund	\$1,537,235.10	\$2,380,047.52	\$2,284,967.67
Totals	\$18,586,803.53	\$25,717,924.72	\$25,347,093.52

**Income Growth of the Woodcock Endowment Fund FY15 - FY22**



**Income Growth of the Woodcock Institute Fund FY15 - FY22**





**V: Dr. Miller’s Scholarly Activities**

Dr. Miller, Executive Director of the Woodcock Institute, believes it is part of his responsibilities to continue to make professional presentations and produce scholarship related to the mission of the Woodcock Institute. Below are examples of Dr. Miller’s scholarship for FY22.

**A. Published Works**

- Miller, D. C., Maricle, D. E., Bedford, C., & Gettman, J. (2022). *Best Practices in School Neuropsychology – Second Edition*. Hoboken, NJ: Wiley.

**B. Works in Progress**

- Miller, D. C., Whitaker, J., & Woodcock, R. W. (in press). Woodcock-Johnson IV Tests of Cognitive Abilities (WJ IV). In G. J. Boyle, Y. Stern, D. J. Stern, & B. J. Sahakian (Eds.). *The SAGE Handbook of Clinical Neuropsychology*. SAGE Publications, Ltd.
- Miller, D. C., Maricle, D. E., Bedford, C., & Gettman, J. (in preparation). Interpretating Intellectual Assessment Using a Neuropsychological Paradigm. *Journal of Intelligence* (Special Issue – Assessment of Human Intelligence - State of the Art in the 2020s; invited article).

**C. Service to the Profession**

- Dr. Miller was invited to serve on the advisory board for the *Before Racism™* organization (<https://beforeracism.org>). *Before Racism™* is an emerging early childhood educational program designed to support and improve the ways very young children learn about, internalize, and express attitudes regarding racial identity and racial intolerance.



