



ANNUAL REPORT

FY 2023

Research,
Scholarship
& Creative
Work



DR. CORINNE LENGSFELD

Senior Vice Provost for

Research & Graduate Education

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Year In Review

It is always a pleasure to write this letter to the faculty, staff, and students at the University of Denver. I am immensely proud of the work you have done over the years and this fiscal year is no different.

As we keep setting and reaching our goals in research, scholarship, and creative work, it became clear the Office of Research and Sponsored Programs (ORSP) needed to take a step back and re-evaluate its mission, support, and structure. During the fall, we sat down with hundreds of faculty, staff, and students to listen to what they – what you – need from us. The good and the bad. We took that information and built a new strategic vision and tactical plan, which will allow the office to meet your needs and scale as work grows at DU. This strategic vision articulates our clear dedication to research, scholarship, and creative work - funded and unfunded.

Through a multi-year initiative, the University aims to leverage this growth to leap higher in the U.S. News and World Report university rankings. Growth of annual expenditures in research and development (R&D) from external sponsors in the range of \$60 to \$70 million would support such a jump, and current trends in performance suggest that this level of annual expenditures is possible in the next three to five years. We are well on our way to this target, reaching more than \$48 million in FY23.

New award funding hit another record – \$62 million. This number would have been even bigger if the debt ceiling and a congressional stalemate hadn't stopped us; almost all sponsors did not release new awards. However, new awards is not just about how many or how much money, it's about those who are receiving them. This year saw many new first-time recipients of award funding. This is a sign of a healthy research community.

Likewise, the number of faculty, staff, and students actively engaged in research, scholarship, and creative work has increased dramatically in the last 10 years. The number of principal investigators (PIs) and co-PIs has almost tripled during this time to 262. The number of our graduate research assistants (GRAs) has also grown exponentially to over 147 from less than 40 in FY13.

What doesn't get talked about enough is our people doing unfunded research. Our faculty and staff embraced our R1 designation and ran with it.

Kimberly Bender, Paul Kosempel, and Hilary Smith were appointed Fulbright Scholars and will take their expertise abroad. Many faculty served as research advisors to the 427 undergraduate researchers. Forty-nine faculty authored books, educating the world one page at a time. IT, the writing center, and library are just some of the many different areas and people who support the research infrastructure – even though it may not be in their job description.

I'd also like to take a moment to thank all who entered their data into the space survey. This survey is a critical part of the Facilities and Administration (F&A) rate proposal and will determine how most facility costs will be allocated to university functions like research. This is a crucial step in supporting those doing research, scholarship, and creative work.

Much of what this letter recognizes is the backbone on which a thriving research enterprise is built. Through the hiring of an external honorifics communication coordinator, our goal is to celebrate our faculty successes and impacts by nominating and awarding prestigious external honorifics and other recognitions. More than 70 faculty members on campus have been identified as eligible for these honorifics and it is our goal to raise their visibility. I am very much looking forward to another opportunity to celebrate our people!

It is essential to acknowledge that post-pandemic faculty and staff feel exhausted. Given that, in combination with increased federal administrative burdens—such as financial oversight, open data exchange requirements, and foreign influence regulations—our priority must be to streamline processes, increase compliance, and create an environment in which all individuals—regardless of demographic, rank, and discipline—can thrive.

Sincerely,

Corinne Lengsfeld

Senior Vice Provost for
Research & Graduate Education

Our Vision

The Office of Research and Sponsored Programs will be a proactive partner for faculty, students, and staff to achieve sustainable transformation and growth of research, scholarship, and creative work by enabling them to focus on the discoveries, innovation, thought leadership, and commercialization of their passions.



Our Mission

The mission of the Office of Research and Sponsored Programs is to provide best in class support services, thereby advancing the University of Denver's engagement in research, scholarship, and creative work, as well as the positive impact it has on the learning environment and the broader community.

Our Values

1

Respect

2

Integrity

3

Accountability

4

Teamwork

5

**Diversity, Equity,
Inclusion & Justice**

6

Growth Mindset

Our Team

In keeping with our strategic plan goals, we have expanded our ORSP team over the course of FY23, adding 2.5 positions. Another 2.5 positions will be added in FY24.

During FY23, our employees admirably kept all systems running even when short-staffed. With these changes, a dynamic set of new leaders emerged in the division.

Office of Research and Sponsored Programs (ORSP)

Corinne Lengsfeld

Senior Vice Provost for Research and Graduate Education

Diane Anderson

Director, Research & Financial Operations

Audry LaCrone

Manager, Communications

John Seward

Regulatory Compliance Officer

Dawn Stanley

Financial Analyst

Susan Petersen

Communications Coordinator, External Honorifics

Claire Land

Business Coordinator

Sneha Patil

Web Design Intern

Aly Mottram

Student Administrative Assistant

Office of Sponsored Programs & Agreements (SPA)

Julie Cunningham

Director, SPA

Jenna Galuska

Senior Grant & Contract Administrator

Peter Stansbery

Senior Grant & Contract Administrator

Windsor Wall

Senior Grant & Contract Administrator

Megan Whitman

Assistant Director, SPA

Holly Gary

Grant & Contract Administrator

Donna Marsh

Grant & Contract Administrator

Office of Research Integrity & Education (RIE)

Ashleigh Ruehrdanz

Co-Director, RIE Manager, Research Ethics and Human Research Protections

Paula Baker

Research Compliance Analyst

Amanda Moser

Research Compliance Coordinator

Tyler Ridgeway

Co-Director, RIE Manager, Animal Welfare and Biosafety

Jody Davidson

Manager, Vivarium

Casey Barker

Animal Care Technician, Vivarium

Office of Intellectual Property & Technology Transfer (IPTT)

Ashley Thomas

Manager, IPTT

Art Saltarelli

Research Agreement Officer

Ayesha Akhtar

Intern

Lily Girton

Intern

Isaac Reich

Intern

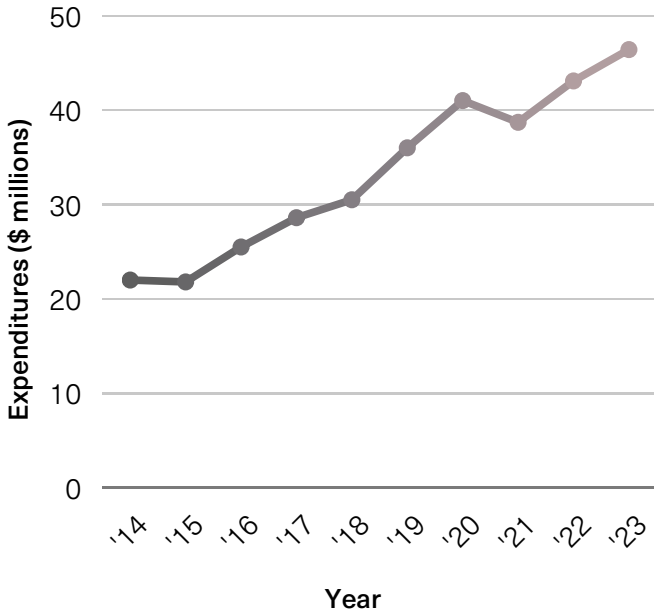
RESEARCH OVERVIEW

FY23 was another record-breaking year for research expenditures, topping \$48 million.

\$48.2M

RESEARCH EXPENDITURES

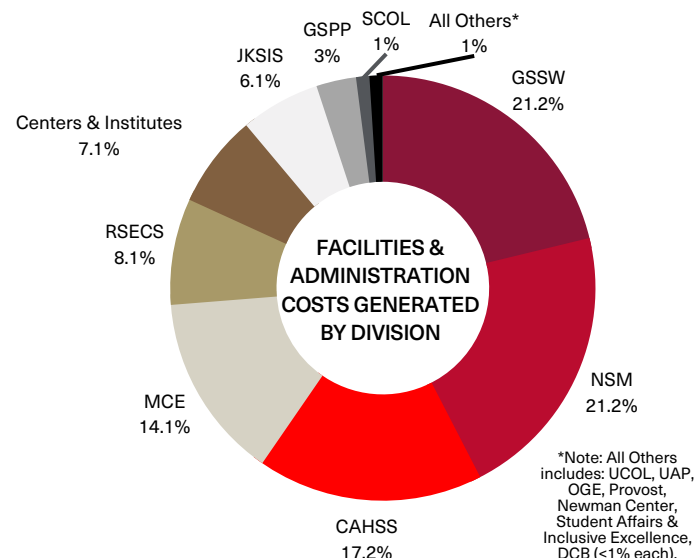
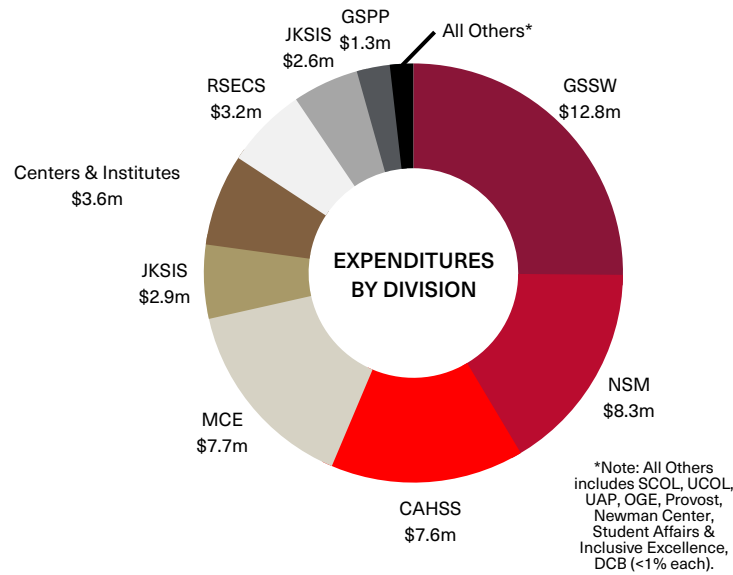
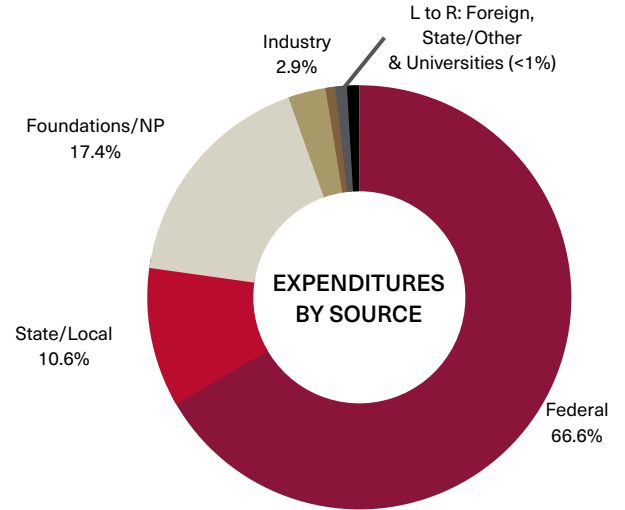
In FY23, research expenditures are on the rise. Over the past 10 years, expenditures have increased 101%.



\$7.9M

FACILITIES & ADMINISTRATION COST REIMBURSEMENT

DU collected \$7.9 million in F&A cost reimbursement, of which \$1.67 million was returned to divisions.



NEW GRANT AWARDS

Many first-time principal investigators helped bring 147 new awards totaling more than \$62 million in FY 23.

147

NEW GRANT AGREEMENTS

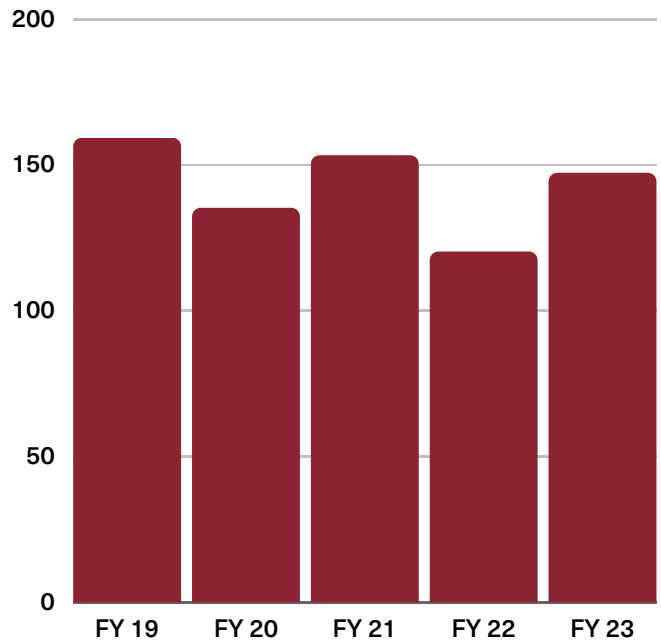
Of the 147 new grant agreements awarded in FY 23, 126 were funded at more than \$500k.

\$62.1 M

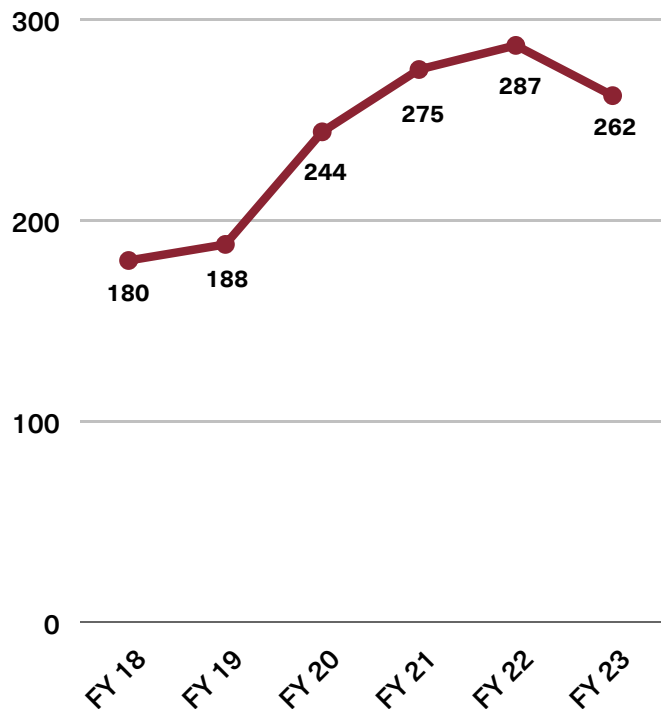
NEW AWARD FUNDING

Throughout FY 23, DU received \$62.1 million in new award funding, a record for DU.

New Awards (#)



Active Principal Investigators & Co-Principal Investigators (#)



DU R1 RESEARCH INVESTMENTS

Each year, the University of Denver invests in and supports our teacher-scholars across the University.

Following the success of FY22's research investments, DU continued many of its supports, as well as adding new ones. They are designed to elevate our faculty staff and students as DU settles in to its distinction of Doctoral/Very High Research university (or "R1") by the Carnegie Classification of Institutions of Higher Education.



New Groups Formed

Working with Advancement, a foundation relations group and corporate relations group were built to embed research supports in multiple areas across campus. New hires helped round out these groups.



PI Support

- Developed a new HR research hiring matrix
- Streamlined General Counsel contract workflow



PROF Funding

Funded 29 PROF proposals, totaling \$782,925



Applicant Fee Waiver

Continuation of the expanded fee waiver for PhD applicants



Post-Doc Support

- 17 post-doc salary matching requests approved
- \$180k (annual budget)
 - \$14,833 for FY23 of \$180K was funded in FY23 pilot year (on track to award full \$180K in FY24)



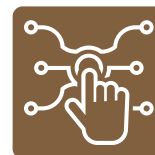
GRA Stipends

Increased GRA/GTA/GSA stipends 6% for second year in a row



General Support

- Bad debt: \$80,045
- Bridge funding: \$151,356
- Campus-wide research software: \$6,330
- Conference/event sponsorships: \$22,096
- Research infrastructure supports: \$33,628



Technology

- OIPTT Technology improvements: \$21k
- Sophia (USPTO/EPO integration): \$12,500
- Audit & records clean up: \$8,500

PUBLIC IMPACT FELLOWS

In FY 2019, in collaboration with Marketing & Communications and the Office of the Provost, DU created the Public Impact Fellows (PIFs) program. This program was designed to increase faculty reach and impact of the University's faculty thought leaders.



PIF FEATURES

in FY23, 25 individual PIFs were featured from all 5 cohorts, earning a total of 46 media hits.

PIF ACTIVITY

Most hits: Brad Davidson (RSECS)

Op-ed Authors:
Elite - Stacey Freedenthal (GSSW)
National - Anne DePrince (CAHSS),
Lisa Reyes Mason (GSSW),
Sarah Schindler (SCOL)
Local - Anne DePrince (CHASS) &
Rebecca Galemba (JKSIS)



PIF APPEARANCES

PIFs appeared in: The New York Times, Bloomberg, The Associated Press, the Washington Post. and The Hill.

FY23 Public Impact Fellows



AISHA AHMAD-POST
- NEWMAN CENTER -



AJENAI CLEMMONS
- JKIS -



BRADLEY DAVIDSON
- RSECS -



JENA DOOM
- CAHSS -



TIAMO KATSONGA-PHIRI
- GSPP -



KEVIN LYNCH
- SCOL -



LISA REYES MASON
- GSSW -



LOLITA TABRON
- MCE -

Impact of DU Research

POLITICO

The Trendlines DeSantis Doesn't Want to See

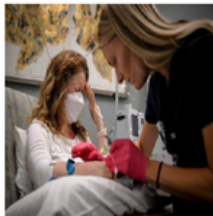


THE DENVER POST

NEWS | HEALTH | News

Long COVID patients in Colorado are still struggling as the world moves on: "We're fighting for our lives"

More than 200,000 in the state have experienced new, worsening symptoms that develop after initial COVID-19 infection



Connections to dementia, MS?

Some scientists are raising the alarm that a new wave of disability could be coming in the future, though.

Daniel Linseman, who researches neurodegenerative diseases at the University of Denver, is studying whether people who'd had a concussion at some point had a higher risk of long COVID. Preliminary results showed they did, and that people who developed long COVID and had a history of concussions had particularly high levels of brain inflammation.

PBS

When Criminal Justice Systems Have to Deal with Mental Illness



ALJAZEERA

The Washington Post

THE HILL

How are US sanctions affecting life in Venezuela?



How the Canadian wildfire smoke could shift Americans' views on climate

U.S. News & World Report

What is Atypical Anorexia?

AXIOS

"It's gotten much more complicated": GOP's post-Roe abortion catch-22

The bipartisan bill that could heal the mental health effects of climate change

Climate change affects every aspect of our lives. From heat waves that put our health at risk, to severe storms that damage our infrastructure and homes. From the stress of rising food insecurity to the disruptions of school closures when extreme weather hits.

Another area that climate change hurts — and is deeply interconnected with — is our mental health. More than one in five adults in the U.S. have a mental health concern, as do more than one in two youth. And now, climate change is an additional stressor and threat to the mental well-being of so many.

Bloomberg Law

Monkeypox Emergency Clearance Excludes Siga's Tpoxx Medicine (2)



THE DENVER POST

Denver to give direct payments to most vulnerable homeless groups in test of universal basic income

City dedicating \$2 million in federal COVID aid to pilot program that will pay people \$12,000 over 12 months



FACULTY REPORT

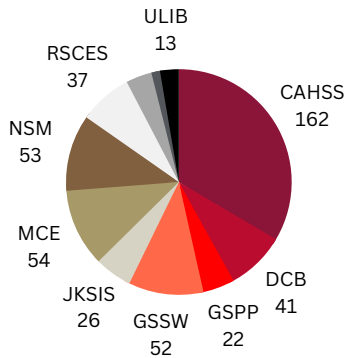


262 Total Principal Investigators (PIs) & Co-Principal Investigators
 42 PIs & Co-PIs (serve as both on different grants) | 32 Co-PIs | 180 PIs



33 Principal Investigators

with \$350k+ in research expenditures in FY23



484 Faculty Authors

in FY23



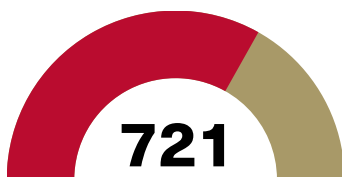
36,912 Faculty Citations

in FY23



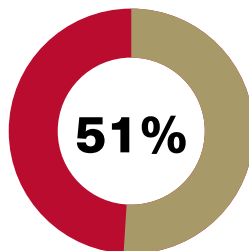
685 Archival Publications

in FY23



Media Placements

local (478) & national (243) media
 National and elite media hits were 16% higher in FY23



Stories Highlight DU Research

account for 51% of all media placements in FY23

TOP PRINCIPAL INVESTIGATORS

BASED ON FY23 EXPENDITURES

\$6,000,000 +

Robin Leake, Butler

\$2,000,000 +

Galena Rhoades, CAHSS

\$1,000,000 +

Douglas Clements, MCE
 Jonathan Moyer, JKIS
 Elysia Clemens, CEAL
 Michelle Knight-Manuel, MCE
 Whitney Leboeuf, CEAL

\$500,000 +

Elaine Belansky, MCE
 Scott Horowitz, NSM
 Kristin Klopfenstein, CEAL
 Elysia Davis, CAHSS
 Lena Lundgren, GSSW
 Michele Hanna, GSSW
 Ashley Hamilton, CAHSS
 Meredith Silverstein, Butler
 Paul Rullkoetter, RSECS
 Kim Gorgens, GSPP
 Norma Hafenstein, MCE
 Margaret Franko, Butler
 Pilyoung Kim, CAHSS
 Sarah Watamura, CAHSS

\$350,000 +

Charmaine Brittain, Butler
 Phillip Strain, MCE
 Daniel Linseman, NSM
 Gareth Eaton, NSM
 James Blankenship, NSM
 Brady Worrell, NSM
 Eric Chess, KIHA
 Jesse Owen, MCE
 Erich Kushner, NSM
 Andrei Kutateladze, NSM
 Deborah Avant, JKIS
 Kevin Shelburne, RSECS

FACULTY-AUTHORED BOOKS

CAHSS

Rachel Feder

Norton Library Edition of
DRACULA

Poupeh Missaghi

پاریس فرانسه

Bin Ramke

Earth on Earth

Kristy Ulibarri

Visible Borders, Invisible
Economies: Living Death in
Latinx Narratives

Luc Beaudoin

Lost and Found Voices: Four
Gay Male Writers in Exile

Elizabeth Campbell

Museum Worthy: Nazi Art
Plunder in Postwar Western
Europe

Rafael Ioris

Amazonia no Seculo XXI:
Trajetorias, Dilemas e
Perspectivas

Susan Schulten

Emma Willard:
Maps of History

Kareem El Damanhoury

Photographic Warfare: ISIS,
Egypt and the Online
Battle for Sinai

Derigan Silver

Mass Media Law

Thomas Nail

A History of Motion

Naomi Reshotko

Opining Beauty Itself:
Plato on Inquiry and Belief

Sara Chatfield

In Her Own Name:
The Politics of Women's
Rights Before Suffrage

Alena Wolfink

Claiming Value: The Politics
of Priority from Aristotle
to Black Lives Matter

Anne DePrince

Every 90 seconds: Our
Common Cause Ending
Violence Against Women

Christy Cobb

Sex, Violence, and Early
Christian Texts

Andrea Stanton

The Wireless World: Global
Histories of International
Radio Broadcasting

Jared Del Rosso

Denial: How We Hide, Ignore,
and Explain Away Problems

Michael Gibson-Light

Earth on Earth/Orange-Collar
Labor: Work and Inequality in
Prison

Scott Phillips

Geometrical Justice:
The Death Penalty in America

Javier Torre

Forjado en la frontera: Vida y
obra del explorador, cartógrafo
y artista don Bernardo de Miera
y Pacheco en el Gran Norte de
México

DCB

**Libbi Levine Segev
& Mark Levine**

Real Estate Transactions,
Tax Planning

Tricia Olsen

Seeking Justice: Access to
Remedy for Corporate Human
Rights Abuse

Stephen Haag

The Periodic Table of the
Fourth Industrial Revolution

Mark Levine

Real Estate Securities

Steven Hartley

Marketing, 16th ed.

GSPP

**Lynett Henderson Metzger,
Laura Meyer &
Lavita Nadkarni**

Animal Maltreatment
Evaluation Basics for Mental
Health Practitioners,
Students, and Educators

Hale Martin

Therapeutic Assessment with
Adults: Using Psychological
Testing as a Short-Term
Intervention

GSSW

Jennifer Bellamy

Social Work Practice with
Fathers: Engagement,
Assessment, and Intervention

Practitioner's Guide
to Using Research for
Evidence-Informed Practice

Stacey Freedenthal

Loving Someone with
Suicidal Thoughts: What
Family, Friends, and
Partners Can Say and Do

JKSIS

George DeMartino

The Tragic Science: How
Economists Cause Harm (even
as they aspire to do good)

Rebecca Galembo

Laboring for Justice: The Fight
Against Wage Theft in an
American City

Micheline Ishay

The Human Rights Reader:
Major Political Essays,
Speeches and Documents
from Ancient Times
to the Present

Haider Khan

When the Earth Trembled:
Towards a Theory and People's
History of the Bangladesh
Liberation Movement and
Lessons for Today

Aaron Schneider

China, Latin America,
and the Global Economy

Rachel Sigman

Parties, Political Finance,
and Governance in Africa:
Extracting Money and
Shaping States in Benin
and Ghana

Suisheng Zhao

The Dragon Roars Back:
Transformational Leaders
and Dynamics of Chinese
Foreign Policy

MCE

Jayson Richardson

Becoming an International
School Educator: Stories,
Tips, and Insights from
Teachers and Leaders

Acadia Spencer

Libraries as Dysfunctional
Organizations and Workplaces

Keren Dali

Inglorious Pedagogy: Difficult,
Unpopular, and Uncommon
Topics in LIS Education in
Times of Crisis and Quiet

Doug Clements

Science and Engineering in
Preschool Through Elementary
Grades: The Brilliance of
Children and
the Strengths of Educators

Brette Garner

Teacher Learning of
Ambitious and Equitable
Mathematics Instruction: A
Sociocultural Approach

Phillip Strain

Prevent-Teach-Reinforce
for Young Children: The
Early Childhood Model of
Individualized Positive
Behavior Support

NSM

Anna Sher

An Introduction to
Conservation Biology, 3rd ed.

SCOL

Roberto Corrada

Administrative Law:
A Casebook

David Thomson

The Way Forward for
Legal Education



WHITNEY LEOEUF (CEAL) & KRISTIN KLOPFENSTEIN (CEAL)

*Early Childhood Evaluation Hub
Colorado Department of Early Childhood, \$4.8m*



Colorado Evaluation and Action Lab (Colorado Lab) at the University of Denver will support evaluation planning of the stimulus-funded activities so the best possible evaluation strategies are pursued. This planning work allowed the Colorado Lab to deeply understand the goals and implementation approaches of each stimulus-funded activity and produce a set of evaluation recommendations.



ELAINE BELANSKY, MCE

*Wellbeing and Equity in Rural Colorado Schools (WERCS)
Caring for Colorado Foundation, \$3.99m*

Our country is facing an unprecedented mental health crisis and Colorado is no exception. These concerns are particularly acute for communities of color, communities in poverty, and rural populations. Thus, we propose a 5-year plan to support 31 school districts (14 San Luis Valley; 17 Southeast Colorado) in implementing five equity-driven strategies to promote mental health for youth and staff.



GALENA RHOADES, ELYSIA DAVIS, NICHOLAS PERRY & CATHERINE DEMERS (CAHSS)

*Group-Based Prevention of Postpartum Depression:
In-Person vs. Virtual Delivery
National Institutes of Health, \$3.69m*



Depression is one of the most common perinatal complications, with 1 in 7 mothers qualify for a diagnosis of postpartum depression (PPD) and even higher rates for those who identify as Hispanic/Latine, Black or African American, American Indian, or Alaska Native, or by multiple races or ethnicities. This project addresses this major gap in services to prevent PPD, particularly among socioeconomically disadvantaged and minoritized groups by testing two versions of a service-ready efficacious preventive intervention.



ASHLEY BROCK-BACA, ROBIN LEAKE, NANCY LUCERO, BRENDA LOCKWOOD (BUTLER) & AMY HE (GSSW)

*National Child Traumatic Stress Initiative - Treatment and Service Adaptation (TSA) Center
SAMHSA, \$2.4m*

Butler will create a Treatment and Service Adaptation Center to develop and implement a comprehensive approach to developing a diverse, skilled, well-supported, and resilient Behavioral Health workforce. The goals of the project include supporting a diverse workforce by advancing equity and addressing race-based traumatic stress in the workplace and improving the knowledge and skills of the workforce to care for children and families impacted by trauma with a lens of equity.



DOUG CLEMENTS, JULIE SARAMA (MCE)

*Integrated, Intelligent and Interactive Technologies Building Young Children's Math Along Learning Trajectories
Department of Education, \$1.99m*



Most young children and their teachers do not have access to research-based early childhood math resources. The pandemic further limited such access, especially for underserved children. Building on our successful research projects, we propose developing and evaluating an innovative, integrated, intelligent, and interactive system of technologies based on empirically-validated learning trajectories that will provide the best of personal and digital tools for assessing and supporting children's learning.



BRADY WORRELL, NSM

*CO Releasable Organic Polymers for Biomedical Applications
National Institutes of Health, \$1.81m*

Proposed here is a platform technology for the bottom-up synthesis of a directly polymerizable CO-releasing molecule. Once polymerized, this macromolecule can be placed into various biological systems to create CO gas upon photolysis. This photolysis is fast, high yielding, and creates innocuous, non-cytotoxic photo-byproducts.



JONATHAN VELOTTA, NSM

Physiological Plasticity and the Mechanisms of Adaptation to Hypoxia: Exploiting Natural Variation in Wild Deer Mice
National Institutes of Health, \$1.8m

Pervasive reductions in environmental oxygen availability (hypoxia) pose a serious threat to the roughly 140 million people worldwide that live at altitudes above 2500 m. In this proposal, I outline how my lab will use wild, high-altitude deer mice (*Peromyscus maniculatus*) as a model to understand the integrated evolutionary mechanisms that allow animals to overcome the challenges of low oxygen.



MATTHEW TAYLOR, NSM

DISES: Indigenous Forest Management in a Non-Stationary Climate
National Science Foundation \$1.59m

Forest ecosystems are a critical component of the biosphere and play an important role in coupling the atmosphere to the land surface and carbon cycle (Bonan 2008). These environments also shelter, sustain, and provide ecosystem goods and services, including carbon sequestration, nourishment, and water resources for human societies



MICHELLE KNIGHT-MANUEL, MCE

HB22-1220 Educator Stipend Program
Colorado Department of Higher Education, \$1.42m

To implement the Student Educator Stipend Program and the Student Educator Test Stipend Program. The amount includes: \$30,829.66 to be used by the program or institution for program administration \$1,320,000.00 for educator stipends \$71,585.80 for test stipends.

AWARD ABSTRACTS

LARGE GRANTS/CONTRACTS



PHILLIP STRAIN, MCE

*Technical Assistance and Dissemination to Improve Services and Results for Children With Disabilities-Early Childhood Systems Technical Assistance Center
University of North Carolina
(subaward Department of Education, \$1.41m)*

This project aims to increase state examples to support the use of SIG to demonstrate relevance and why states should use it.



KEVIN MORRIS, GSSW

*Diverse Community Veterinary Care Grants Program Evaluation
PetSmart Charities, \$1.06m*

Creating equitable access to veterinary care is a growing focus of the animal welfare field. The University of Denver's Institute for Human-Animal Connection (IHAC) is proposing to incorporate a more nuanced community-based definition of access to care in partnership with PetSmart Charities to support successful design, implementation, and evaluation of the Diverse Community Veterinary Care Grants program.



NAAZNEEN BARMA, JKSI

*Bridging the Gap
Carnegie Corporation of New York, \$1.05m*

Bridging the Gap bolsters the impact of international affairs scholarship on the public sphere. Professional development programs for professors and doctoral students equip them with skills to produce influential policy-relevant research and to contribute to public debate and decision-making on global challenges and U.S. foreign policy. Undergraduate training focuses on supporting policy-oriented career pathways both within and beyond academia.



MICHELE HANNA, GSSW

*Colorado Behavioral Health Incentive Proposal
Colorado Department of Higher Education
(subaward United States Treasury - UST), \$1.01m*

Overall tuition costs at the University of Denver present obstacles to disadvantaged students from historically underrepresented groups, specifically students of color and students in rural communities. It is our expectation and our experience through administering existing stipends and scholarships that the benefits of tuition scholarships help to mitigate some of the challenges described above and support student academic success.

STUDENT RESEARCH & SCHOLARSHIP

DU contributed grant funding, supporting 631 students. Additionally, the number of graduate assistantships are on the rise, more than doubling from FY 2010 to present.

Grants to support graduate students presenting their research exceeded pre-pandemic levels by 71% in Spring 2023, allowing DU's students to advance the scholarship in their respective fields through innovative and groundbreaking research. In the 12 years the grants have been offered, DU graduate students, representing 9 divisions and more than 39 programs, have presented in 96 U.S. cities, 40 U.S. states, 37 countries, and at over 250 competitive higher education conferences.

2,843 Master's degrees and 435 Doctoral degrees were awarded to graduate students. More than 80 undergraduates received grants to pursue research.

In its third year, the [Undergraduate Research Journal](#) published two complete issues, featuring 14 articles, biographies, and interviews, all authored and peer reviewed by DU undergraduate students.



631

students were supported
by grant funding
in FY23



147

graduate research
assistantships were
supported by grant
funding during
FY 2023



83

Undergraduate students
received grants and awards to
pursue research

16

**UNDERGRADUATE
SCHOLAR TRAVEL
FUND GRANTS**

**AWARDED IN
FY 2023
TOTALING
\$13,896.19**

42

**UNDERGRADUATE
SUMMER
RESEARCH
GRANTS**

**AWARDED IN FY 2023
TOTALING \$164,895**

2,843

**MASTER'S
DEGREES**

**AWARDED IN
FY 2023**

427

**UNDERGRADUATE
STUDENTS**

**INVOLVED IN
RESEARCH DURING
FY23**

25

**UNDERGRADUATE
PARTNERS IN
SCHOLARSHIP
(PINS) GRANTS**

**AWARDED IN
FY 2023
TOTALING
\$35,144**

435

**DOCTORAL
DEGREES**

**AWARDED IN
FY 2023**

Distinguished Student Awards



DANIELA CHAVEZ

NEWMAN CIVIC FELLOW

BA, College of Arts, Humanities & Social Sciences

Daniela will help support and serve her community regarding social issues such as domestic violence and intergenerational poverty.



DANI (DANIELLA) EKSTRAND

FULBRIGHT ENGLISH TEACHING ASSISTANTSHIP

MA, Josef Korbel School of International Studies

Dani will be teaching in Italy



SYLVIA MORNA FREITAS

BOREN FELLOWSHIP: AZERBAIJAN

MA, Josef Korbel School of International Studies

Sylvia will be studying the Turkish language for six months in Baku, Azerbaijan



BIANCA GARCIA

FULBRIGHT AWARD: BINATIONAL BUSINESS PROGRAM

BA + MA, Josef Korbel School of International Studies

Bianca will study binational business business dynamics at the Instituto Tecnológico Autónomo de México



ZACH HARKER

FULBRIGHT ENGLISH TEACHING ASSISTANTSHIP

BA, College of Arts, Humanities & Social Sciences

Zach will be teaching English in Lille, France



AUDREY MITCHELL

FULBRIGHT RESEARCH AWARD

BS, College of Natural Sciences & Mathematics

Audrey will research plant chemistry at the University of Neuchâtel, Switzerland



MELISSA SHAMBACH

SCHWARZMAN SCHOLARS PROGRAM

BA, Josef Korbel School of International Studies

Melissa will be pursuing her MA in Global Affairs at Tsinghua University in Beijing, China

RESEARCH & SCHOLARSHIP SHOWCASE

Shifting Back to In Person

After three years of virtual presentations due to the COVID-19 pandemic, the DU Research & Scholarship Showcase was back in person, allowing presenters to showcase their work in front of a live audience.

—
75

students

participated in the 2023
Research & Scholarship Showcase

—



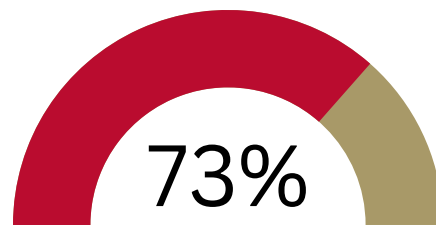
The University of Denver's Research & Scholarship showcase welcomes DU community members to join in admiration of the exemplary scholarship of our undergraduate students. In FY23, 75 presenters crafted engaging visual presentations, on posters or through a PowerPoint presentation, sharing their research and findings. Event attendees were able to view presentations and ask questions during the sessions. All research presentations are available to be viewed on the Research Showcase [website](#).

OFFICE OF RESEARCH INTEGRITY & EDUCATION

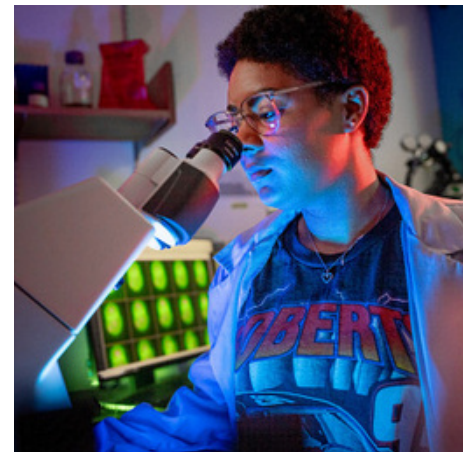
The Office of Research Integrity and Education (ORIE) at the University of Denver is committed to providing resources to guide scholars through ethical issues and prevent instances of unethical research activities or misconduct.

In the past year, ORIE has:

- Launched the Single-Sign On system with our training platform, CITI, enabling training to be linked readily to IRBNet and InfoEd.
- Developed and launched a new Research Financial Conflict of Interest (FCOI) module in InfoEd, streamlining time for PIs and staff through integration.
- Departmental re-structure to create two distinct programmatic areas: Research Ethics & Human Research Protections and Animal Welfare & Biosafety, providing career advancement opportunities and establishing a scalable structure.



Improved IRB submission to approval time by 73%



Programmatic Highlights

Research Ethics & Human Research Protections

- Implemented Next Report Due form to allow PIs to extend their IRB project's lifetime with ease
- Addressed IRB system and process issues reducing workloads for office staff, thereby reducing our time from submission to approval by an average of 73%

Animal Welfare & Biosafety

- Fish facility upgrades and Vivarium environmental safety upgrades
- Successful USDA inspection without any noted non-compliance items
- Hired a second Research Compliance Coordinator to assist with the IACUC and IBC

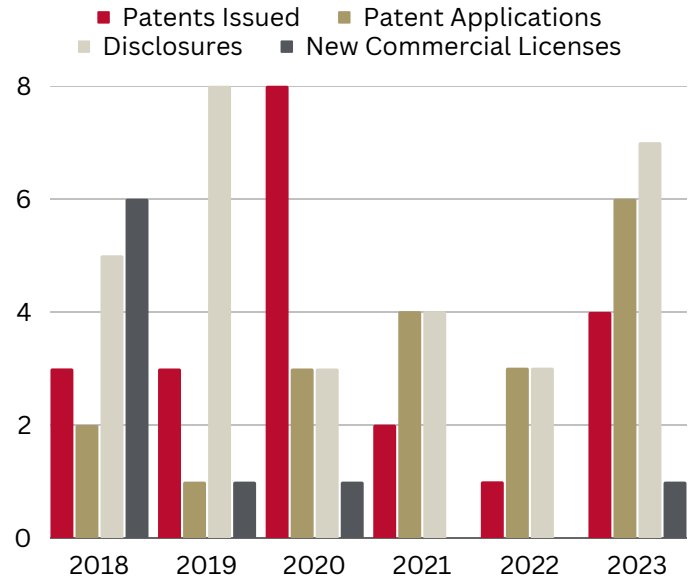
OFFICE OF INTELLECTUAL PROPERTY & TECHNOLOGY TRANSFER

As a result of the fall listening tour, the Office of Intellectual Property and Technology Transfer (OIPTT) has worked to envision an expanding role in the translation of research into economic development opportunities.

OIPTT seeks to bring DU to the forefront of this emerging paradigm shifts through several initiatives and a continued focus on providing responsive, on-demand traditional intellectual property- and technology transfer-related services to the entire DU community.

There is still much work to achieve and OIPTT is excited for the challenges and opportunities ahead.

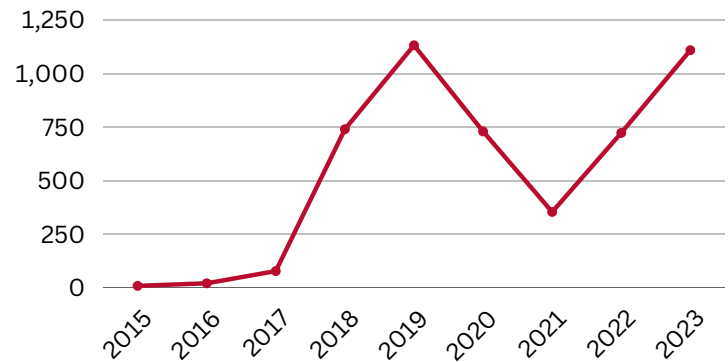
DU Innovation Activity



Revenue for DU

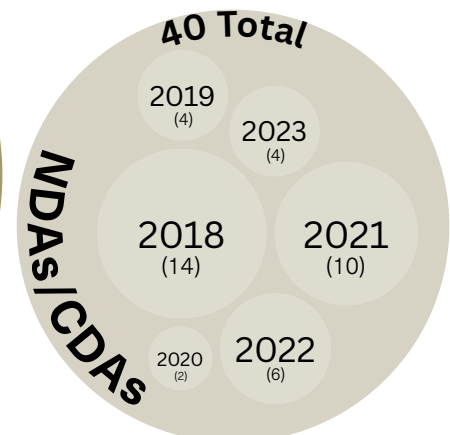
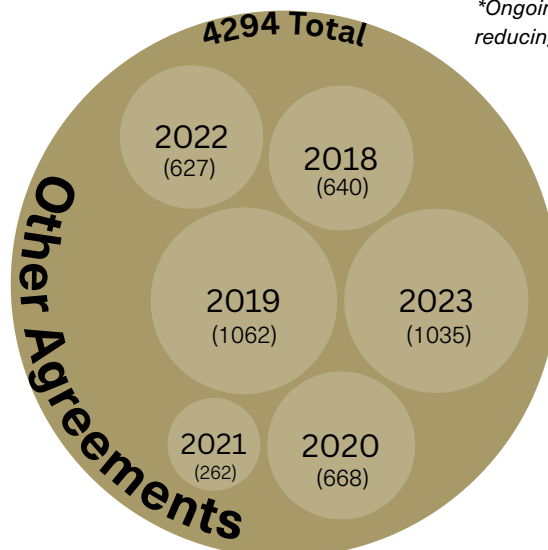
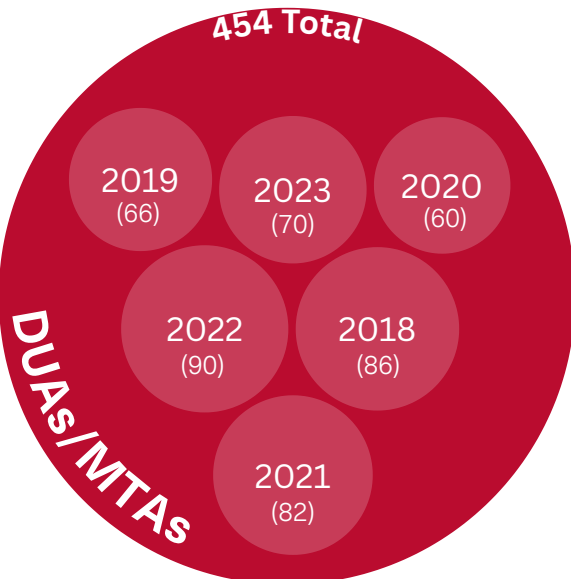
Commercial Licenses	Research Service Agreements
\$49,000	\$45,000

Total Agreements*



Breakdown of Total Agreements*

*Ongoing improvements to processes/support are reducing the need for OIPTT review in some cases.



INTELLECTUAL PROPERTY & TECHNOLOGY TRANSFER

Colorado's Office of Economic Development and International Trade (OEDIT) launched the Advanced Industries Proof-of-Concept (AI-POC) Grant program in 2013 to help Colorado research institutions accelerate industry-relevant basic research into real-world application. Since fiscal year 2017, DU creator, innovator, and entrepreneurial faculty have worked with OIPTT to submit one to two grant applications per year. In previous fiscal years, OEDIT awarded one grant to DU faculty in each of five years. This fiscal year, OIPTT supported three applications for the AI-POC grant, with each receiving full funding by OEDIT. These grants set DU precedent, amounting to more than 2x the OEDIT funding for faculty-led research translation activities than the next highest award year at DU.

ALI AZADANI, RSECS

FY23 AI-POC
FUNDED PROJECT

ALI ARABNYA & AMIN KHODAEI, RSECS

FY23 AI-POC
FUNDED PROJECT

MOHAMMAD MAHOOR, RSECS

FY23 AI-POC
FUNDED PROJECT

Startup Spotlight

Faculty

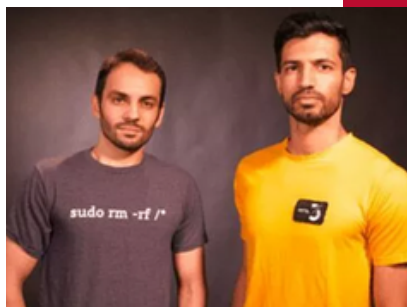


MOHAMMAD MAHOOR, RSECS

DREAMFACE
TECHNOLOGIES

[DreamFace](#) develops social companion robots to improve the aging, well-being, and quality of life of older adults.

Student



MOHSEN SHARIFI, PHD '22 & ROHOLA ZANDIE, PHD '22

MYCOGITO

[MyCogito](#) is an intelligent and secure platform that gives users access and insight into their digital footprint and their own mental health.

OIPTT Personnel

This fiscal year, OIPTT brought in four summer interns, creating a cohort with background experience ranging from computational biology to AI-enabled consumer devices.

- Isaac Reich, University of South Florida
- Ayesha Akhtar, DU law
- Lily Girton, DU law
- Kathryn Erickson, University of California, Santa Barbara

A 0.5 FTE was added to assist with processing research-related agreement requests. Together, the OIPTT team has taken on the assessment of:

- 7 invention disclosures,
- Numerous research-related agreements, analyses and drafting in support of grant applications and reports
- Several first-of-kind-to-DU agreements and opportunities.

