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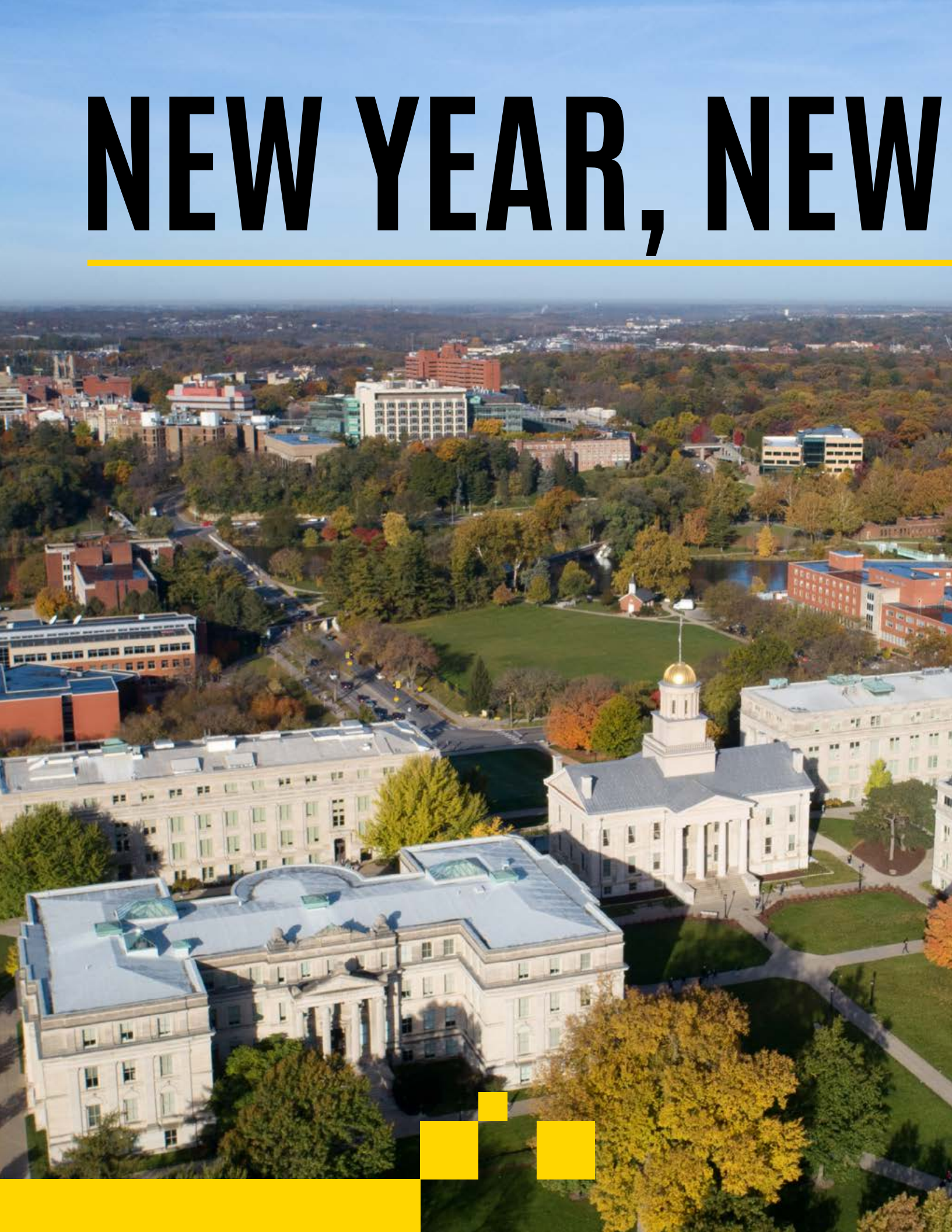
CLAS RESEARCH RESOURCE

September 2021

NEW YEAR, NEW



OPPORTUNITIES

Welcome to our first CLAS Research Resource newsletter of the new academic year!

Inside, as always, you'll find exciting news about new research, scholarship, and creative activity across our college, research-relevant updates on CLAS facilities and information technologies, and extensive coverage of upcoming funding opportunities you may wish to take advantage of. Each issue, you'll also get to know to some of your CLAS colleagues and learn about the work they are doing. We hope you'll enjoy checking it out.

I always hope to preface each issue with some good news, and I'm happy to say that this time my task is an easy one thanks to your outstanding efforts over the past (2021) fiscal year. CLAS external funding in FY21 totaled $81.5 million from 285 awards, an impressive increase of over 72% compared to FY20's total of $47.2 million from 269 awards. About $27 million of this $34.3 million increase is due to the Department of Physics and Astronomy, led by TRACERS and MAGIC, as well as several other new awards to the department's faculty and staff.

But that is far from the whole story, as CLAS saw substantial increases in support across many departments in FY21 compared to FY20: +$2.5 million in Biology, +$2.5 million in Health and Human Physiology, +$2 million in Chemistry, +$1.4 million in Mathematics, and +$1 million in the School of Journalism and Mass Communication. In addition to the massive boost to our NASA funding, the college also saw an increase in support from NIH (+$3.8 million, with 46 awards in FY21 compared to 36 in FY20), NSF (+$3.7 million, with 39 awards in FY21 compared to 31 in FY20), and the Department of Energy (+$1.6 million, with 12 awards in FY21 compared to 9 in FY20).

The past year also saw several humanities faculty members receive prestigious new fellowships, including from the NEH, ACLS, and the Ford Foundation, that will allow them time to pursue innovative new scholarship. In this issue you'll also read about impressive new books published by our faculty that are already gaining widespread exposure across a variety of media, supporting Iowa's reputation as "The Writing University".

No one wanted the prior year to unfold the way it did, and unfortunately, some of the disruption it brought lingers into this one. But the hard work and resilience of our CLAS colleagues—faculty, staff, and students—is being recognized and rewarded, and this is a cause for celebration and for optimism as we look ahead. I wish you all a productive semester as we work together to make our college stronger.

Joshua Weiner
Associate Dean for Research
Professor of Biology
College of Liberal Arts and Sciences
joshua-weiner@uiowa.edu

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CLAS RESEARCH AND INFRASTRUCTURE UNITS:

Associate Dean for Research

CLAS Technology Services

Space, Facilities, and Equipment

Grant Support Office

Office of Sustainability and the Environment


THE UNIVERSITY OF IO

FEATURED FUNDING OPPORTUNITIES: EARLY/YOUNG INVESTIGATOR PROGRAMS

Kristi Fitzpatrick
Director, Grant Support Office

Many sponsors, federal and private, are committed to supporting the next generation of scientists, scholars, and artists, and have developed programs to benefit investigators early in their career. The programs and eligibility guidelines vary, but generally these programs are designed to benefit individuals who have received their PhD within the last 10 years, are at the assistant professor level, and/or have not been the lead Principal Investigator on one of the sponsor's awards previously. Faculty members who fall into one or more of these categories may be eligible to apply for these programs and several examples are included below. If you do not see a relevant program here, please reach out to your department's pre-award contact to inquire about funding programs pertinent to your work.

National Science Foundation (NSF) Faculty Early Career Development Program (CAREER)

The CAREER program supports early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. The minimum award is $400,000 total for the five-year duration, except for the Directorate for Biological Sciences, the Directorate for Engineering, or the Office of Polar Programs, with a minimum total of $500,000 for the five-year duration.

Please note that CLAS and the OVPR Research Development Office will be offering the CAREER Club program again in Spring 2022. The program includes workshops, informational sessions, external and internal review opportunities, and other resources designed to assist investigators in preparing high-quality proposals.

National Institutes for Health (NIH) Early Stage Investigator Policies

NIH recognizes the need to promote the growth, stability, and diversity of the biomedical research workforce and developed Early Stage Investigator (ESI) policies to support the long-term growth and stability of the biomedical research enterprise. Applications from researchers with ESI status that receive meritorious scores are prioritized for funding. In addition to ESI status, NIH offers several New and Early Research Career Development Fellowships.

Department of Defense (DOD)

The Department of Defense offers a number of funding opportunities for Early Career Faculty with the long-term goal of developing the next generation of academic scientist, engineers, and mathematicians in research areas that align with the agency's mission and priorities. Programs include:

Defense Advanced Research Projects Agency (DARPA) Young Faculty Award; Army Research Office (ARO) Young Investigator Award; Office of Naval Research (ONR) Young Investigator Program; and the Air Force Young Investigator Research Program.

Department of Energy Early Career Research Program

This program supports the development of individual research programs of outstanding scientists early in their careers and stimulates research careers in the following program areas: Advanced Scientific Computing Research; Biological and Environmental Research; Basic Energy Sciences, Fusion Energy Sciences; High Energy Physics, and Nuclear Physics.

American Council of Learned Societies ACLS Fellowship Program

ACLS invites research proposals from untenured scholars, who have earned their PhD within eight years of the application deadline, and scholars without faculty appointments or off the tenure track. ACLS invites applications from scholars pursuing research on topics grounded in any time period, world region, or humanistic methodology. ACLS aims to select fellows who are broadly representative of the variety of humanistic scholarship across all fields of study.

Please see the Department Grant Support Directory for contact information

Read this article online

MEET THE GRANT SUPPORT OFFICE STAFF

The profession of research administration is often one that people fall into, rather than one they formally train for throughout their education. Although post-secondary institutions are starting to recognize the need for this type of training, many Research Administrators working in academia today landed in their role simply because their personality and skill set were well suited to the work.

To be successful in this field, you must have a passion for providing excellent customer service, a willingness to learn on the job, the ability to be flexible as you work with investigators that have different needs and work styles, and strong communication and organizational skills. And a high tolerance for paperwork doesn't hurt anything!

This often results in a workforce that has mostly taken different paths to arrive at the same destination and the CLAS grant support staff is no exception. We are fortunate to have skilled teams of pre-award and post-award staff, with decades of experience among them, all working towards the common goal of supporting investigators in successfully seeking and managing external funding.

With that in mind, we are proud to introduce you to the CLAS grant support staff:

Pre-Award Team

Molly Buhrow, Pre-Award Grant Manager (Lead) in CLAS Grant Support Office

Molly leads GSO Pre-Award activities and provides pre-award support to the Departments of Biology, Computer Science, Chemistry, and Earth and Environmental Sciences. She has over 14 years of experience in research administration at the University of Iowa and has been supporting CLAS for nearly three years. She lives in Iowa City with her partner and two dogs and loves to travel to mountains and hike up them.

Kyle Schaefer, Pre-Award Grant Manager in CLAS Grant Support Office

Kyle provides pre-award support for the Departments of Psychological and Brain Sciences, Communication Sciences and Disorders, and Health and Human Physiology. Before joining the GSO, he gained two years of grant experience in a similar pre-award role at South Dakota State University and an additional five years managing and writing grants for the South Dakota Humanities Council. Kyle, his wife, and three boys moved to the Iowa City area this summer.

Kris Ackerson, Grant Development Manager in the Iowa Social Science Research Center

Kris is the grant support manager for the Iowa Social Science Research Center and assists faculty in the social sciences and the College of Law. Before working with the ISRC, Kris worked for the City of Iowa City where he wrote grants for parks and trails, transportation infrastructure, and energy efficiency projects.

Kate Gloer, Grant Development Specialist in the Iowa Social Science Research Center

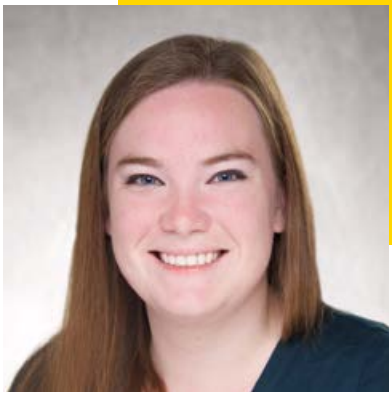
Kate assists social science researchers with grant development, provides feedback on proposal narratives, researches new funding opportunities, and explores avenues for improving success rates for grant applications. Kate joined the ISRC in 2019 after serving for nearly ten years in the Department of Biostatistics in the College of Public Health as a quality management lead in clinical trials research. She's a big fan of NPR, cooking videos, and ridiculously dark chocolate.

Marcia Rogers, Research Support Specialist in the Department of Physics and Astronomy

Marcia provides pre-award support for faculty and research staff in the Department of Physics and Astronomy, where she has worked for over 30 years. Pre-award support includes proposal preparation and submission, budget development, document creation, internal routing, and proposal upload. She also provides support for outgoing subawards for the Department. She lives in Coralville with her husband and their dog and has a daughter. She enjoys cycling, walking, and watching Hawkeye football and Iowa women's basketball.

Ann Knudson, Grant Administrator in International Programs

Ann is a Grant Administrator providing pre-award support to International Programs and all of the arts and humanities departments in CLAS. She has been providing pre-award support since 2011, and prior to that she helped manage several Department of Education grants in the Tippie College of Business.



Jordan Keller-Wilson, Post-Award Grant Manager (Lead) in CLAS Grant Support Office

Jordan leads the post-award team and provides post-award support to the Departments of Communication Sciences and Disorders, Health and Human Physiology, and Chemistry. She's worked at the University of Iowa for 10 years in various grant and financial administration roles. She lives in Iowa City with her husband and two cats, and enjoys hiking, camping, and watching Iowa women's basketball.

Travis Dillavou, Senior Post-Award Grant Manager in CLAS Grant Support Office

Travis has worked with external research awards in some capacity since he was a student worker at the University of Iowa. He has been in CLAS for over three years and provides post-award support for the Department of Psychological and Brain Sciences and the Condensed Matter Group in the Department of Physics and Astronomy. When not managing financial and administrative compliance, you can find him enjoying time with his dog or on the hardwood officiating basketball.

Denise Harder, Post-Award Grant Manager in CLAS Grant Support Office

Denise provides post-award support to the Departments of Biology, Computer Science, and Mathematics. Prior to joining CLAS three years ago, she worked in the Carver College of Medicine supporting a Howard Hughes Medical Institute Investigator with pre- and post-award grant support. Denise was born and raised in Hilo, Hawaii.

Every CLAS department is supported by a dedicated Pre-Award Research Administrator and a Post-Award Research Administrator or Accountant. Please see the Department Grant Support Directory for contact information.

Jennifer DeWitte, Post-Award Grant Manager in CLAS Grant Support Office

Jennifer joined CLAS in November 2020 and provides post-award support for the Departments of Sociology and Criminology and Political Science, and the School of Journalism and Mass Communication. She has over 24 years of experience managing grants and contracts with the last 22 years at UI. Jennifer lives in Hiawatha with her husband, her 15-year-old son, and three crazy dogs.

Andrea Shaevitz, Senior Financial Analyst in the Department of Physics and Astronomy

Andrea provides post-award support for the Department of Physics and Astronomy. She started her professional career with the department in 1988 working for one of the Space Physics groups preparing budgets for NASA proposals and monitoring the finances and schedules of the awarded contracts. She has a grown daughter and enjoys the peacefulness of her woodland home in the corridor area.

Please see the Department Grant Support Directory for contact information.

Read this article online

UPCOMING GRANT AND FELLOWSHIP DEADLINES: OCTOBER - DECEMBER

This is a list of selected grant and fellowship programs that have deadlines in October, November, and December. For a more comprehensive list of active grant programs, please visit the UI Grant Bulletin.

UI Internal Programs

10/01/21 – Jumpstarting Tomorrow Seed Grant Program (LOI)

10/05/21 - Arts & Humanities Initiative

10/15/21 – Global Research Partnership Awards (International Programs)

10/20/21 – Graduate Diversity Scholarships and Fellowships

10/21/21 – P3 Program in Support of Strategic Priorities : FY23 Funds Program (LOI)

10/31/21 – Summer Research Fellowships (International Programs)

11/01/21 – Center for Asian and Pacific Studies Awards

11/20/21 – Major Projects Awards (International Programs)

12/01/21 – Holden Comprehensive Cancer Center Community Outreach & Engagement Seed Funding

12/01/21 – Marcus Bach Fellowships for Graduate Students in the Creative Arts, Humanities, Related Social Sciences

12/01/21 – Seeding Excellence: OVPR Early Career Scholars

Rolling - Special Projects Awards (International Programs)

Iowa Department of Cultural Affairs

09/19/21 – American Rescue Plan Arts Grant - Organizations (Limited Submission)

09/19/21 – American Rescue Plan Humanities Grant (Limited Submission)

Iowa Department of Transportation

11/25/21 – Summer Research Cycle

Institute of Museum and Library Services

11/15/21 – National Leadership Grants for Museums

11/15/21 – Museums Empowered: Professional Development Opportunities for Museum Staff

11/15/21 – Museums for America

National Endowment for the Humanities – All Grant Program Opportunities

09/14/21 – Humanities Connections

09/15/21 – Dynamic Language Infrastructure: Documenting Endangered Languages Senior Research Grants

09/15/21 – Dynamic Language Infrastructure – Documenting Endangered Languages Fellowships

09/28/21 - Infrastructure and Capacity Building Challenge Grants

09/29/21 – Archaeological and Ethnographic Field Research

10/14/21 – Dialogues on the Experience of War

11/15/21 – Fellowships Open Book Program

11/15/21 – Digital Humanities Advancement Grant (LOI)

12/01/21 – Collaborative Research

12/01/21 – Scholarly Editions and Scholarly Translations

12/15/21 – Public Scholars

National Institutes of Health – Complete list of standard due dates

09/25/21 – Program Project Grants and Center Grants (All P Series)

09/25/21 – Research Demonstration Education Projects (All R18, U18, R25)

09/25/21 – Institutional National Research Service Awards/Other Training Grants (T Series, D Series)

09/25/21 – Construction Grants (C06/ UC6)

09/25/21 – Other Activity Codes (multiple programs – see website)

10/05/21 – Research Grants (New R01, New U01)

10/12/21 – Research Career Development (New K series)

10/25/21 – Other Research Grants and Cooperative Agreements (new R03, R21, R33 and others)

10/25/21 – Academic Research Enhancement Award (All R15)

11/05/21 – Research Grants (R01 - Renewal, Resubmission, Revision)

11/05/21 – Research Grants – Cooperative Agreements (U01 – renewal, resubmission, revision)

11/12/21 – Research Career Development (K Series – renewal, resubmission, revision)

11/16/21 – Other Research Grant and Cooperative Agreements (multiple programs – renewal, resubmission, revision)

12/08/21 – Individual National Research Service Awards (F-Series Fellowships)

12/12/21 – Conference Grants and Conference Cooperative Agreements (All R13, U13)

National Science Foundation – Active Funding Opportunities (several deadlines each month; selected programs below)

09/15/21 – Computational and Data Enabled Science and Engineering

09/15/21 – Dynamic Language Infrastructure – NEH Documenting Endangered Languages

09/18/21 - Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences

09/30/21 – Division of Chemistry: Disciplinary Research Programs

11/01/21 – Social, Behavioral, and Economic Sciences: Postdoctoral Research Fellowships

11/03/21 – Major Research Instrumentation (MRI) Program: Instrument Acquisition or Development (Limited Submission)

11/05/21 – Louis Stokes Alliances for Minority Participation: Bridge to the Doctorate Activity

11/10/21 – Emerging Frontiers in Research and Innovation (LOI)

11/17/21 – Partnerships for Innovation (Limited Submission)

11/19/21 – Louis Stokes Alliance for Minority Participation: STEM Pathways and Bridge to Baccalaureate

12/01/21 – Archaeology and Archaeometry Research Program

12/15/21 – Statistics Research Program

American Council of Learned Societies – Competitions and Deadlines

09/29/21 – ACLS Fellowships

10/27/21 – Getty/ACLS Postdoctoral Fellowships in the History of Art

10/27/21 – Luce/ACLS Dissertation Fellowships in American Art

10/27/21 – Mellon/ACLS Dissertation Completion Fellowships

11/01/21 – Luce/ACLS Program in China Studies

11/15/21 - Luce/ACLS Program in Religion, Journalism & International Affairs Collaborative Programming Grants

11/15/21 – The Robert H.N. Ho Family Foundation Program in Buddhist Studies – Various Programs

12/03/21 – African Humanities Program

John Simon Guggenheim Memorial Foundation

09/17/21 – Guggenheim Fellowships (US and Canada Program)

US State Department - Bureau of Educational and Cultural Affairs

09/15/21 - Fulbright US Scholar Program

American Association for the Advancement of Science

11/01/21 – Science and Technology Policy Fellowships

American Association of University Women

11/01/21 – American Fellowships

National Gallery of Art

11/15/21 – Predoctoral Dissertation Fellowship Program 2022-2023

GRAMMY Museum Foundation

11/01/21 – Scientific Research, Preservation Implementation, and Preservation Assistance Programs

George A. and Eliza Gardner Howard Foundation

11/01/21 - Howard Foundation (Mid-Career) Fellowships: Photography; Film Studies

The Woodrow Wilson National Fellowship Foundation

10/15/21 – Dissertation Fellowship in Women's Studies

10/22/21 – Career Enhancement Junior Faculty Fellowship

11/05/21 – Career Enhancement Adjunct Faculty Fellowship

11/15/21 – The Charlotte W. Newcombe Doctoral Dissertation Fellowship

12/01/21 – Mellon Emerging Faculty Leaders Award

Robert Wood Johnson Foundation

11/12/21 – Health Policy Fellows Program

Alpha Phi Foundation

11/06/21 – Heart to Heart Grant Program to Support Research on Heart Disease in Women

Center for Advanced Study in the Behavioral Sciences at Stanford University

11/05/21 – CASBS Fellowship

American Philosophical Society

10/01/21 – Franklin Research Grants (for work in February 2022-January 2023)

12/01/21 – Franklin Research Grants (for work in April 2022 -January 2023)

Keck Foundation

12/08/21 – Grant Programs Spring 2022 (Limited Submission)

Dr. Scholl Foundation

10/12/21 – Foundation Grants (Limited Submission)

ADDRESSING DE

FERRED MAINTENANCE

Since last fiscal year, and spreading over the course of the next two years, Facilities Management (FM) is investing nearly $9 million to address deferred maintenance needs in CLAS buildings. FM compiles data on deferred maintenance of university buildings through a facilities condition assessment, which looks at the age and condition of the infrastructure and systems in the building, the maintenance and operations costs, code deficiencies, and repair history. Working with the Campus Planning and Development team, FM prioritizes deferred maintenance projects based on current strategic plans, asset criticality, urgency, student success and operational impact.

As the largest classroom building on campus, the **English-Philosophy Building** has been the biggest beneficiary of deferred maintenance commitments in the last three fiscal years. While the pandemic was just beginning, an improved north entrance walkway was constructed that improved accessibility issues and fixed exterior drainage around the building. Deferred maintenance funding was also used to replace chilled water pumps that serve the building's HVAC system.

Over the summer, FM began a two-year project to replace windows and to repair exterior walls of the building. This $2.1 million project replaces all exterior windows and sealants, adds additional insulation in exterior walls and replaces window coverings. Contractors worked this last summer to address the classroom wing of EPB and will complete the office wing in Summer 2022. In the current fiscal year, $1.5 million will be spent to begin upgrading the HVAC system in EPB. This project will provide for a phasing plan to begin replacing HVAC systems beginning with the classroom floors. A $350,000 project will also begin this year to replace the east roof section of EPB, where water infiltration has been an issue.

Other projects that kicked off last fiscal year include a $400,000 project to replace and repair sections of the **Theatre Building** roof, along with repairs and replacement of seals in the building's atrium glass curtain wall at the eastside entrance to the building.

In **Chemistry Building**, FM invested $1.7 million to replace failing fan coil units in the air handling systems that serve the building.

Deferred maintenance projects to be addressed this fiscal year (2021-22) in CLAS include a $700,000 project in **North Hall** that will address below-grade water infiltration issues in the building. Trowbridge Hall will see a summer 2022 project that will replace the failing retaining wall on the north side of the building. This $400,000 project will include wall replacement, sidewalk replacement, and site restoration. In **Gilmore Hall**, FM has allocated $500,000 to address structural and building envelope repairs. And FM will spend $150,000 to replace the central air compressor system in **Chemistry Building**.

Other projects that will enhance CLAS building operations in the next year, funded apart from deferred maintenance allocations, include the addition of electronic access (AMAG) to the exterior doors of **Trowbridge Hall, Halsey Hall, Gilmore Hall, English-Philosophy Building, Wendell Johnson Speech and Hearing Center**, and **Theatre Building.**

Because CLAS occupies some of the oldest buildings on campus, the university's renewed focus on deferred maintenance projects should provide more facilities upgrades for CLAS departments in the future.

Eugene Buck
CLAS Director of Facilities

Read this article online

A HIGH-SECURITY OFFICE IN THE CLOUD

All of us in the College of Liberal Arts and Sciences—faculty, staff, and students—have access to Office 365 and use its many tools daily (Outlook, Teams, OneDrive, Word, PowerPoint, and Excel). However, this "standard" Office 365 commercial/academic platform, cannot be used by certain researchers whose research projects require adherence to federal Export Administration Regulations (EAR), International Traffic in Arms Regulations (ITAR), or controlled unclassified information (CUI) rules.

So what are we doing?

CLAS is engaging with UI Information Technology Services to implement an EAR/ITAR-compliant Office 365 platform for our researchers. The UI has purchased an Office 365 Government Community Cloud (GCC) platform (called Office 365 Government—GCC High), which will support CLAS researchers needing ITAR/EAR compliance.

Why is this important?

CLAS and the UI are continually looking to grow research funding on campus. The federal government requires institutions with which they contract to conduct their research work on ITAR- and/or EAR-compliant collaborative application suites, such as the one we've purchased. Without this critical piece of research infrastructure, CLAS researchers would lose out on many opportunities to compete for major federal funding.

What are the advantages to using Office 365 Government—GCC High?

Office 365 Government—GCC High is designed to ensure compliance with various federal information and cybersecurity regulations. This service makes it easier and faster for researchers to comply with strict security and compliance terms within their research contracts. To meet security standards, the platform is managed by Microsoft in the U.S. with personnel who are verified U.S. citizens, and who have completed background checks and other stringent requirements.

Is there a cost to researchers?

Yes. Around $1,000 per user per year (the final pricing has yet to be determined).

If I start using Office 365 Government—GCC High, will I lose access to the academic Office 365 tools?

No. You'll continue to have your existing access, and your "hawkid(at)uiowa.edu" account will continue to deliver email into the academic platform. There will be a separate email account for the GCC platform.

When will Office 365 Government—GCC High be available for use?

CLAS Technology Services is working with a pilot group of users in the Department of Physics and Astronomy now to begin testing the features of Office 365 Government—GCC High. Once pilot user testing is completed, we will bring on new users and researchers into this environment to help them remain in compliance, to make the UI more attractive to DOD and NASA grant managers, and to lay the groundwork for future cloud computing initiatives.

If you have questions about the new service, please email Senior Systems Administrator Brad Carson.

Lance Bolton
Senior Director,
Technology Services

Read this article online

Implementin
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Contracts fr
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MEET JOE HETRICK, SENIOR DIRECTOR OF ITS RESEARCH SERVICES

Joe Hetrick
Senior Director, ITS Research Services

Joe Hetrick is our new senior director of ITS Research Services (ITS-RS), following a competitive national search.

Hetrick has served as the interim director of ITS-RS since June, and for the past four years led the Research Services Advanced Computing Support Team responsible for providing High Performance Computing, Research Storage, and Interactive Data Analytics services.

Prior to his leadership role, Hetrick worked as systems architect in Research Services, focusing on the Large Scale Storage service, and as a systems administrator in the College of Liberal Arts and Sciences, where he managed computing systems that supported the academic mission of the Departments of Computer Science, Statistics and Actuarial Science, and Mathematics.

Hetrick, who has a bachelor's degree in history from the UI, says he is excited to continue accelerating and enabling research at the UI and eager to build and strengthen relationships between ITS Research Services and the UI research community. He is committed to advancing diversity, equity, and inclusion initiatives and looks forward to continued involvement with them. He lives on a farm with pigs, goats, chickens, pigeons, cows, and other critters, along with his family.

g ***Office 365 Government—GCC High*** will allow researchers needing
rity in their email, file-sharing, telephony, and messaging to continue
for research funding from the many federal entities that require
ompliance, including the Department of Defense (DOD) and NASA.

om DOD and NASA are an increasingly important area of interest
ur Department of Physics and Astronomy alone has obtained over
in DOD- and NASA-sponsored contracts committed for the next

MEET GABRIELLA MCDERMOTT, RESEARCH TEAM SUPPORT

In June, Allison Bierman—profiled in the December 2020 issue of *CLAS Research Resource*—left the Dean's Office after five years of excellent service, taking a new position with her alma mater, the UI School of Music. We'll miss Allison, but we're thrilled to see her bring her expertise to another unit in our college.

Fortunately for us, **Gabriella McDermott** grabbed the baton from Allison and has quickly become a valued member of our Dean's Office team.

Gabbie is a native of West Des Moines, Iowa, and attended Iowa State University, majoring in English. She comes to us from the Clear Creek Amana School District, where she taught English Language Learners for three years. In addition to supporting Associate Dean for Research Joshua Weiner, Gabbie also assists Associate Dean for Graduate Education and Outreach and Engagement Christine Getz, supervises Dean's office student workers, and participates in other special projects. In the research realm, Gabbie will be your go-to contact going forward for PDAs, flex loads, subventions, Old Golds, Van Allen/Brodbeck Fellowships, and more.

When not keeping things on track in the Dean's Office, Gabbie enjoys hiking, photography, and welcoming international students to our community. She lives in North Liberty with her husband, Max, who works as an actuary for Transamerica, and their golden retriever puppy. When you stop by 240 SH, please be sure to introduce yourself to Gabbie and join us in welcoming her to CLAS!

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MEET THE RESEARCHER: REBEKAH KOWAL

What is the focus of your work?

In the broadest terms, my research examines the cultural politics of movement practices in the U.S. in the 20th and 21st centuries. I use dance/movement as a lens through which to view and understand emerging cultural formations. My work illuminates how embodied practices are leading indicators of what people think/believe/know about themselves and the world as individuals and/or groups. On the whole, my work enlarges what we come to know as "dance" by studying forms that are presented both in traditional concert venues and also in non-traditional places, such as in museums, cultural exhibitions, on streets, in commercial establishments, in parades, or at political rallies.

The book I'm working on presently is a good example, in that it is built around a collection of photographs of movement practices that occurred in "theatres of war" during World War II, including on U.S. military bases both at home and abroad, as well as in domestic concentration camps for incarcerated Japanese-American citizens. My research puts first-hand experiences of concert dance artists who served in the military or were incarcerated in the camps in conversation with images of so-far unknown or un-named individuals or groups represented in these archival photos as a basis for making meaning of the roles dance played during the war, from its power to heal and uplift to these ways it served as a disciplinary or subjugating force of control.

I am passionate about looking for dance in unexpected places and my investigations almost always follow from finding unusual visual evidence. Much of the work that I have published stems from rigorous archival research and draws on scholarly literatures across the humanities and social sciences. These include documents, such as newspaper

reviews, press releases, concert programs, letters, and diaries, as well as visual documentation coming in the form of film, video, or photography. Thus, historical materials form the bedrock of my work. I allow them to "speak" to me and I "listen" as best I can. But I am also adventurous in the interdisciplinary methods and sources I employ, allowing evidence I find to take me where it leads.

Tell us about the broad impact it has/could have.

My work is intended to explode the mold of what people assume about dance, that it is a passive reflection of cultural or something pretty and entertaining to enjoy. Instead, I am most interested in the ways that dance and embodied cultural practices are integral to the formation and maintenance of socio-cultural hegemonies, on the one hand, at the same time as they make manifest and advance counter-hegemonic strategies of thinking, doing, and being, on the other. My current research on dance and war is trying to understand the power and politics of dance as related to the American project of empire and as related to culturally-situated ideologies of what or whom is an "American" and/or a "citizen."

What excites you about the environment in CLAS?

I appreciate the ways that CLAS and the UI in general support faculty research and discovery. I have benefitted immensely from support including internal grants and research funding that have allowed me to travel and work in archival collections. I'm also drawn to and inspired by the Iowa Idea, a founding principle in the UI arts units that facilitates artistic production and scholarly research as proceeding hand in hand. Some of my most gratifying moments as a faculty member here have come when I'm working with graduate students or colleagues as a mentor or informal dramaturge for their embodied creative research. Finally, I am grateful for brilliant faculty colleagues across CLAS who are deeply committed to their roles as teachers, scholars, and dedicated to our institution, state, and the constituencies we serve.

What are your hobbies and pursuits outside of work?

My passion is endurance swimming: I've swam in pools, ponds, and oceans everywhere I travel, most recently off the coast of Maine. I love traveling with my family, and exploring new places, especially cities and places where we can become immersed in nature. I grew up in Colorado and enjoy hiking and cross-country skiing.

Favorite things to do in Iowa City?

Spending time with family and friends; swimming in City Park pool or the CRWC; walking everywhere and especially through downtown, along the Iowa River to Hancher, in Hickory Hill Park, or on the Squire Point trail; meeting friends downtown for a beverage or meal and sharing life.

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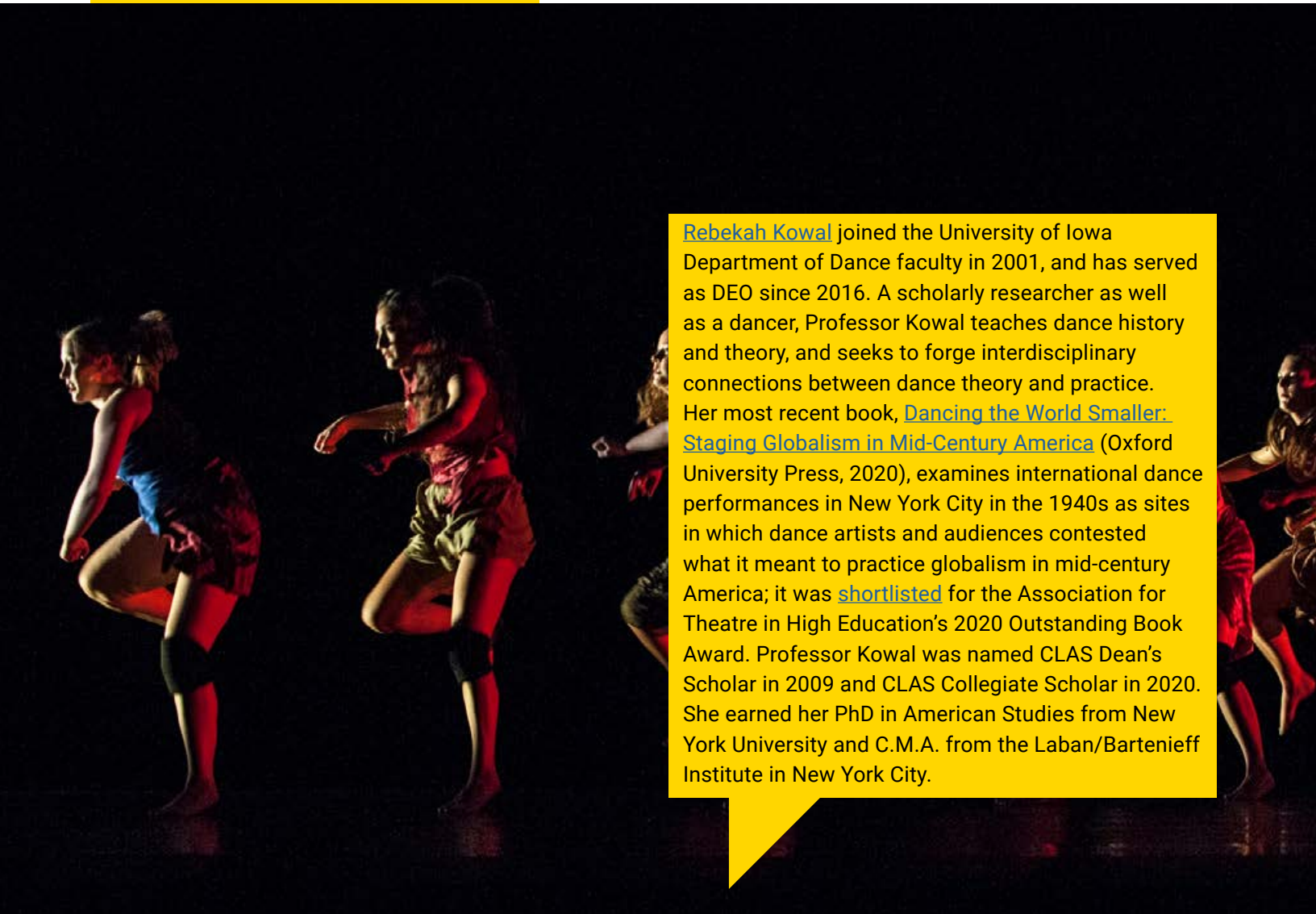

Rebekah Kowal joined the University of Iowa Department of Dance faculty in 2001, and has served as DEO since 2016. A scholarly researcher as well as a dancer, Professor Kowal teaches dance history and theory, and seeks to forge interdisciplinary connections between dance theory and practice. Her most recent book, Dancing the World Smaller: Staging Globalism in Mid-Century America (Oxford University Press, 2020), examines international dance performances in New York City in the 1940s as sites in which dance artists and audiences contested what it meant to practice globalism in mid-century America; it was shortlisted for the Association for Theatre in High Education's 2020 Outstanding Book Award. Professor Kowal was named CLAS Dean's Scholar in 2009 and CLAS Collegiate Scholar in 2020. She earned her PhD in American Studies from New York University and C.M.A. from the Laban/Bartenieff Institute in New York City.

MEET THE RESEARCHER: KARA WHITAKER

What is the focus of your work?

I am a physical activity, sedentary behavior, and sleep epidemiologist with emphasis in cardiovascular disease and maternal-child health. I have expertise in accelerometer and self-reported methods for assessing these lifestyle behaviors. I also use innovative statistical approaches, including isotemporal substitution and compositional data analysis which accounts for the dynamic interplay of all behaviors that occur in a 24-hour day to examine associations with health outcomes. I am particularly interested in working with women during pregnancy as interventions in the prenatal period have the potential to improve the health of both the mother and child. I am the Principal Investigator of the Pregnancy 24/7 Cohort Study (R01 HL153095), which examines the role of physical activity, sedentary behavior, and sleep using state-of-the-art assessment methods across all pregnancy trimesters with hypertensive disorders of pregnancy and other adverse pregnancy outcomes. We are planning on expanding this work to see how prenatal activity patterns may be associated with offspring obesity and cardiovascular disease risk. I am also actively involved in several ongoing cohort studies, including the Coronary Artery Risk Development in Young Adults (CARDIA) study, where I examine associations of lifestyle factors with cardiometabolic risk factors. The overarching goal of my work is to provide an evidence base to inform lifestyle interventions to improve population health.

Tell us about the broad impact it has/could have.

My work focuses on understanding how lifestyle behaviors, including physical activity, sedentary behavior, and sleep are associated with health

outcomes. This knowledge will help inform guidelines for these lifestyle behaviors to improve health. For example, currently there are no specific U.S. guidelines for sedentary behavior in pregnant women. My ongoing Pregnancy 24/7 study will provide additional evidence on optimal durations of sedentary behavior to minimize adverse pregnancy and birth outcomes.

What excites you about the environment in CLAS?

I'm most excited about the interdisciplinary environment in CLAS. I enjoy meeting faculty, staff, and students from different departments and learning about different research occurring within the college. It has also been inspiring to see everyone come together to find creative solutions and continue to thrive despite restrictions imposed by COVID-19.

What are your hobbies and pursuits outside of work?

I enjoy spending time outdoors and staying active. On weekends my family and I often hike or visit parks and playgrounds. Other hobbies include gardening, cooking, reading, and spending quality time with my husband and 4-year-old twins.

Favorite things to do in Iowa City?

My favorite things to in Iowa City are to attend the Farmer's Market on weekends and various festivals throughout the year. I also take full advantage of Iowa City bike paths and parks.

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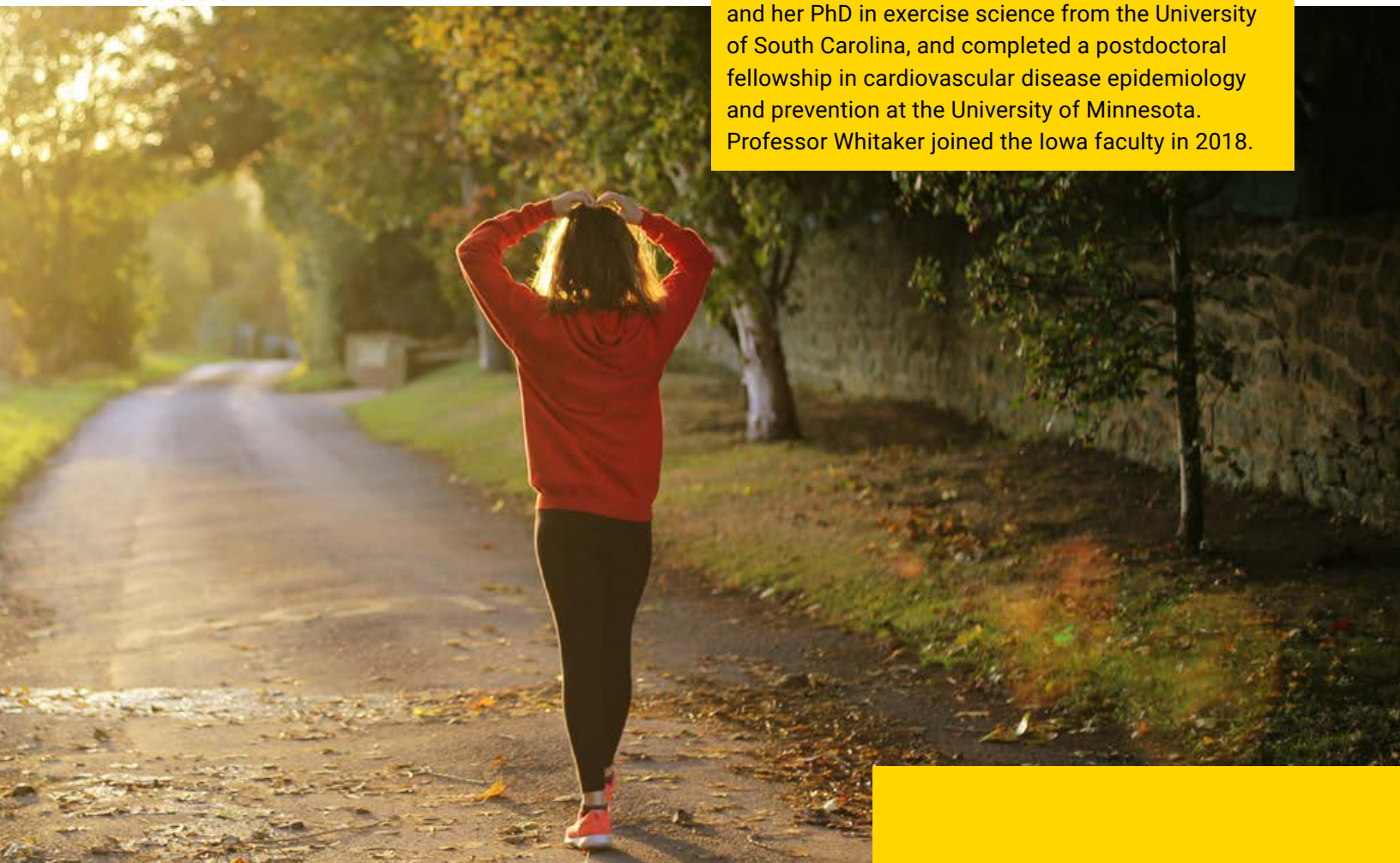
Assistant Professor Kara Whitaker is on the faculty of the Department of Health and Human Physiology, where she runs the Physical Activity & Women's Health Lab, and has an adjunct assistant professor appointment in the Department of Epidemiology in the College of Public Health. She earned her MPH and her PhD in exercise science from the University of South Carolina, and completed a postdoctoral fellowship in cardiovascular disease epidemiology and prevention at the University of Minnesota. Professor Whitaker joined the Iowa faculty in 2018.



CLAS PROFESSOR PHIL KAARET LEADS P3 INITIATIVE TO EXTEND SPACE-BASED RESEARCH THROUGHOUT THE UI

Kaaret, chair of the Department of Physics and Astronomy, will lead interdisciplinary team

The University of Iowa Department of Physics and Astronomy has had outstanding success in space-based research, from James Van Allen's pioneering discovery of Earth's radiation belts in the 1950s to Craig Kletzing's TRACERS mission, funded by NASA at $115 million just last year.

Equally important, the College of Liberal Arts and Sciences (CLAS) department is renowned internationally for its educational programs at all levels. Undergraduate and graduate students regularly work side-by-side with faculty, designing and building instruments that fly on American spacecraft, and analyzing the data the instruments return. NASA Chief Scientist James L. Green, who earned both his BA in astronomy (1973) and PhD in physics (1979) from the UI, is just one example of Hawkeye alumni who have been shaping the nation's space program for decades.

Now **Philip Kaaret**, professor and chair of the department, is leading an interdisciplinary team that will extend that research and educational success throughout the UI. The team comprises faculty members from the CLAS Departments of Physics and Astronomy, Earth and Environmental Sciences, and Geographical and Sustainability Sciences, as well as from the College of Engineering. **Jun Wang**, the James E. Ashton Professorship in Engineering and assistant director of the Iowa Technology Institute (ITI), and **Thomas (Mach) Schnell**—the Captain Jim "Max" Gross Chair in Engineering, associate director of the Iowa Technology Institute, and director of ITI's Operator Performance Laboratory—are key leadership partners in the project.

The researchers and educators received "P3" funding from the UI, totaling $3,595,237 over three years, for a project titled "Extending Iowa's Success in Space-Based Research Across Campus." The proposal for the funding describes a three-pronged approach to reaching the initiative's goal.

Professor Philip Kaaret

"We will draw on the expertise of faculty across multiple departments to create an interdisciplinary research enterprise that will enable departments across the university to successfully compete for NASA funding for space missions and instruments in a broad range of fields," Kaaret's team wrote. "To accomplish this, we will: 1) enhance the UI's capabilities to design, build, and test novel space instrumentation; 2) develop proposals for space missions in Earth observation and lunar science that will jumpstart UI's instrumentation efforts in these fields; and 3) create a space instrumentation summer school that will make the UI the destination of choice for students interested in space, and help recruit a diverse student body."

The three-year project is expected to be just the beginning of efforts to leverage Iowa's historic success in space-based research into ongoing, cross-disciplinary programs that will benefit the entire university.

"The interdisciplinary teams essential for the missions and the summer school will create lasting cross-campus collaborations," the researchers said. "The project will enhance the UI's stature and build partnerships with NASA, industry, and other academic institutions. The project will have a high return on investment through significantly increased external funding that will diversify UI's funding portfolio and enable continuation of project activities. An integrated capability from sensor and algorithm design to qualification and flight test of instrumentation will open unparalleled opportunities for the UI to leap to the next phase of space-based observation excellence."

P3 resources are generated by the UI's public-private partnership (P3) with its utility system. The university issued a call for proposals, receiving 45. Kaaret's team's project is one of seven selected in 2021 for funding. The funding for all seven projects totals $12,128,313.

In addition to the project led by Kaaret, another CLAS faculty member's proposal was selected for P3 funding. Professor **Shaun Vecera** of the Department of Psychological and Brain Sciences was awarded $900,000 to develop and implement a project using empirically proven learning methods from cognitive science that have been demonstrated to have positive effects on student learning and progress toward degree.

Kaaret's partners in the "Extending Iowa's Success in Space-Based Research Across Campus" project include the following colleagues.

Jun Wang, the James E. Ashton Professor in the College of Engineering, is the Earth-Observing Mission Lead and a primary partner of Kaaret's in designing and implementing the project. Wang is on the faculty of the Department of Chemical and Biochemical Engineering, and is assistant director of the Iowa Technology Institute.

Thomas (Mach) Schnell, the Captain Jim "Max" Gross Chair in Engineering, is associate director of the Iowa Technology Institute, director of the institute's Operator Performance Laboratory, and a professor in the Department of Industrial and Systems Engineering.

Craig Kletzing, the Donald A. and Marie B. Gurnett Chair, is a professor in the Department of Physics and Astronomy.

Jasper Halekas, associate professor in the Department of Physics and Astronomy, is the Lunar Mission Lead.

Casey DeRoo is assistant professor in the Department of Physics and Astronomy.

Allison Jaynes, assistant professor in the Department of Physics and Astronomy, is the Space Instrumentation Summer School Co-Lead.

David Miles is assistant professor in the Department of Physics and Astronomy.

David W. Peate is professor of geochemistry and chair of CLAS's Department of Earth and Environmental Sciences.

Marc Linderman is associate professor in the Department of Geographical and Sustainability Sciences.

Susan Meerdink, assistant professor in the Department of Geographical and Sustainability Sciences, is the Space Instrumentation Summer School Co-Lead.

Ananya Sen Gupta is assistant professor in the Department of Electrical and Computer Engineering.

Read this article online

Above: UI space physicists recently discovered the origins of the Northern Lights and other auroras. | Left: Iowa undergraduates at "Rocket School" in Norway | Right: Physics PhD student Cecilia Fasano recently earned a 3-year NASA fellowship to pursue her research.

DECADES-LONG SCHEME EXPOSED: UI PROFESSOR AND GRAD STUDENT UNCOVER FORGED ANTIQUITIES

A massive forgery scheme has been exposed, and it all began with the discoveries of a University of Iowa art history professor and graduate student when they discovered over 90 fake artifacts in an exhibit at the Hoover museum.

Innumerable artifacts forged, thousands of dollars defrauded, and countless individuals and businesses deceived — without the discoveries of a University of Iowa professor and graduate student, it all may never have been unearthed.

In April 2019, Associate Art History professor Björn Anderson and now-third-year graduate student Erin Daly were invited to see the new "Rosetta Stone" exhibit at the Herbert Hoover Presidential Library and Museum in West Branch, Iowa, just days before the exhibit opened to the public.

The exhibit would consist of several artifacts from multiple eras and locations in countries like Egypt, Iraq, and Iran, including statues, pottery, stone tablets, and clay seals inscribed with markings of constellations or deities to imprint on other objects in ancient times.

As soon as they laid eyes on the artifacts carefully labeled and displayed, both Anderson and Daly could tell something was amiss.

Daly was the first to inspect the objects closer, and being an expert on seals, she noticed something off with an Old Babylonian seal that was supposedly from 1920 B.C. The grad student noted the object was unusually large and pristine, and carved in a different style than any other seal Daly had encountered in her career.

"There was already a bit of ambiguity [in the exhibit]," Daly said. "Right away, it seemed to me each seal was made by the same hand, or as we later learned, some sort of workshop."

When she was certain of her suspicions, she conferred with Anderson, who seconded her opinion.

The professor soon notified the museum via a letter written to Thomas Schwartz, the director of the Hoover Library and Museum. He described that out of the 125 objects in the collection to be displayed, 90 were either definite or very likely fakes. The museum was quick to acknowledge the situation and canceled the opening of the exhibit for further investigation, which Anderson said was not an easy decision.

"They did the right thing, and I give them all the credit in the world for acting quickly and decisively," Anderson said.

The forged items in the exhibit were all loaned as part of a larger collection from the artifact gallery Origins Museum Institute, which has since taken down its website and catalogues. The gallery's owner and curator, Marty Martin, denied any knowledge of the forgeries.

Left: Contributed photo of a fake ancient Babylonian seal. Right: Herbert Hoover Presidential Library-Museum West Branch (IA) June 2018, Photo courtesy of Ron Cogswell

RELATED: Pentacrest Museums turn to mapping software to recreate exhibits virtually

Daly soon found that Martin had purchased the objects two decades prior from the Sadigh Gallery, a gallery run by antiquities dealer Mehrdad Sadigh since 1978, out of an office mere blocks from the Empire State Building. When confronted, Sadigh also claimed he "didn't know anything about this," according to The West Branch Times, which reported the artifacts investigation in 2019.

Anderson found that the Sadigh Gallery also sold artifacts on a website, now deleted, that appeared extremely suspicious, with multiple listings of duplicate objects and entirely positive customer reviews. He felt obligated to call the FBI soon after this discovery.

"It's still shocking to me that the website was so comprehensive, he didn't have any thought that listing the same object several times in different colors would be an obvious sign," Anderson said.

After taking it to the FBI, which transferred it to the New York County District Attorney's Office, Anderson and Daly didn't hear much about the investigation for over two years. Then, in August, they got word that Sadigh had been arrested.

The dealer was charged with grand larceny, criminal possession of a forged instrument, forgery, and criminal simulation.

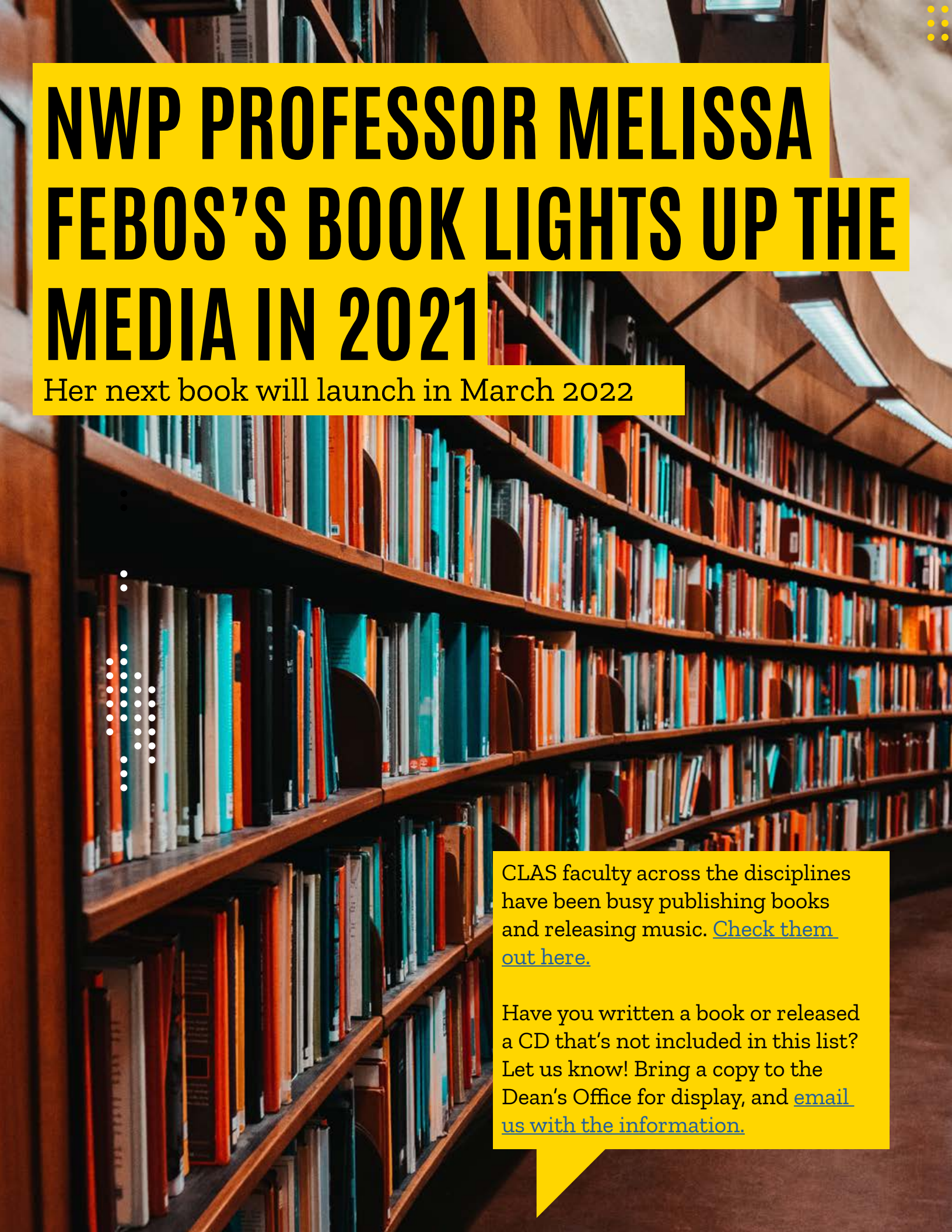
After a raid of the space Sadigh operated out of, it was found that he created thousands of phony antiquities in a few back rooms and offices just beside his display area, which went unnoticed for decades.

In a statement made by the district attorney's office to The New York Times, it was said that "Sadigh appeared to be among the biggest purveyors of fake artifacts in the country," based on how long his business ran and the prices at which he sold items, which ranged as high as $50,000 for some false artifacts.

The date for Sadigh's trial is not yet set, and it is uncertain whether Anderson and Daly will be called to testify.

"It was really gratifying that they got this guy — he's probably defrauded a lot of stuff," Anderson said. "It was a huge operation, so it was gratifying that we were able to contribute."

by Parker Jones
This story originally ran in the Daily Iowan

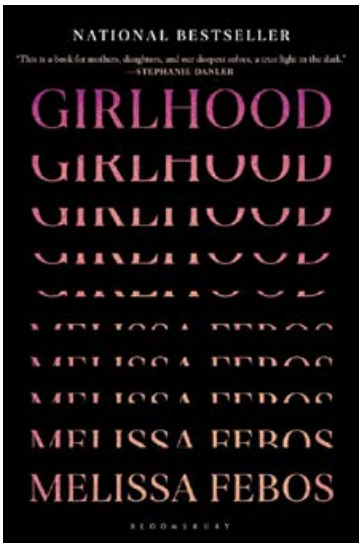


NWP PROFESSOR MELISSA FEBOS'S BOOK LIGHTS UP THE MEDIA IN 2021

Her next book will launch in March 2022

CLAS faculty across the disciplines have been busy publishing books and releasing music. Check them out here.

Have you written a book or released a CD that's not included in this list? Let us know! Bring a copy to the Dean's Office for display, and email us with the information.



The University of Iowa—renowned worldwide for creative writing—has struck literary gold again, thanks to Melissa Febos, associate professor of English in the Nonfiction Writing Program.

Since Febos published her third book, *GIRLHOOD*, in March, the national media have lined up to sing its and its author's praises.

GIRLHOOD, Febos' second essay collection, examines narratives that women are taught about themselves and internalize during their adolescence, and the steps needed to free themselves from these narratives. With excerpts published in the *New York Times* and the *New York Times Magazine*, Febos' vulnerability struck a chord with readers across the nation.

"I had largely seen the struggles of my girlhood as unwarranted—I thought I'd struggled too much for someone who hadn't undergone what I considered any major trauma," Febos said. "What I quickly discovered is that growing up as a girl in a patriarchal society is constituted by a series of harms so ordinary that they go largely unrecognized."

GIRLHOOD received rave reviews from the *New York Times Book Review*, *The New Yorker*, *The Atlantic*, *NPR*, and many other nationally renowned publications. In an excerpt featured in the *New York Times Magazine* titled "Getting to No", Febos writes about the unwanted physical touch women endure and the barriers women face when they want to reject this touch. Throughout the piece, Febos shares her personal experience with unwanted physical touch, cuddle parties, and sex work. With more than 1,000 comments, the article resonated with many readers who thanked Febos for her experiences and shared their own stories.

"My writing practice is partly one of sitting down in absolute privacy and attempting to name experiences that feel or have felt unspeakable," Febos said. "When I get a powerful response of readers identifying with those articulations, well, it is the best possible outcome. That's my hope. That we make it all speakable so that we can find each other, and then collaborate in the work to change ourselves and society."

Around the book's publication, Febos published another excerpt as an Op-Ed in the *New York Times* titled "What if the Pain Never Ends?" As a person who endures chronic back pain, Febos writes about the challenge of facing a life of accommodation and dependency with grace and perspective, and the importance of resisting society's prescription of inferiority and her own internalized ableism.

In addition to the NYT excerpts, Febos was also featured on the MSNBC national morning show "Morning Joe," and was interviewed by *The Nation*, *The Los Angeles Review of Books*, NPR's "Live with Alison Stewart," and many other outlets.

"Writing this book evolved my thinking from the question of 'what was wrong with me?' to 'how can I consciously grow my thinking so that it accords with my own beliefs instead of those I've inherited from a system that is in direct opposition to them?' or, more simply, 'how do we heal from the inevitable harms of girlhood?'" Febos said.

GIRLHOOD succeeds Febos' memoir *WHIP SMART*, and her first essay collection, *ABANDON ME*. In March 2022, Febos will release her fourth book, a nonfiction work that combines memoir with essays on creative writing craft: *BODY WORK: The Radical Power of Personal Narrative*. In four chapters, it details the political power of autobiographical writing, and its influence on Febos' life as an intersection of aesthetic, spiritual, social, and psychological practices.


Melissa Febos

"It is basically an argument for the transformative power of telling our own hardest stories," Febos said. She will be launching the book locally on March 22, 2022, with a virtual reading at Prairie Lights Bookstore with fellow essayist Elissa Washuta.

Febos' writing has appeared in *The Paris Review*, *Tin House*, *The Guardian*, *McSweeney's*, and many other acclaimed publications. She is a four-time MacDowell Fellow, the 2018 recipient of the Lower Manhattan Cultural Council's Sarah Verdone Writing Award, and a LAMBDA Literary Jeanne Córdova Nonfiction Award recipient. In addition to these recognitions, Febos has also earned fellowships with the Bread Loaf Writer's Conference, the Virginia Center for Creative Arts, the Vermont Studio Center, the Barabara Deming Memorial Foundation, The BAU Institute at the Camargo Foundation, The Ragdale Foundation, and the Lower Manhattan Cultural Council.

Febos joined the Iowa faculty in 2019. View her personal website.

—by Grace Culbertson | Read this article online

CLAS TEAM LANDS $4M RENEWABLE ENERGY IN

NSF GRANT TO SUPPORT IOWA

Brad Cramer and Jessica Meyer of Earth and Environmental Sciences are co-PIs with the state geologist; research will support Iowa businesses

Researchers led by the University of Iowa have been awarded $4 million in funding to support renewable energy industries in Iowa and Kansas.

The four-year project, funded by the U.S. National Science Foundation through its Established Program to Stimulate Competitive Research (EPSCoR), seeks to bolster the United States' competitiveness in renewable energy.

Bradley Cramer

Specifically, the researchers aim identify potential new sources of rare Earth elements, the backbone of a host of renewable energy technologies, including as batteries and the magnets inside wind turbines. The funding also will support researchers' effort to more precisely evaluate regional groundwater resources, a critical component in ethanol production. Iowa and Kansas are national leaders in renewable energy; both states rank in the top five in total wind power generation. Iowa leads the nation in ethanol production, and Kansas ranks in the top ten.

The project will support private sector growth by providing the technical capacity and information required for sustainable growth and development of the renewable energy sector in both jurisdictions. Specifically, this grant includes support for new chemical analysis equipment (Magnetic Sector LA-ICP-MS) at the UI that will be housed in the Materials Analysis, Testing, and Fabrication (MATFab) Facility. In addition, new field equipment to explore groundwater flow and bedrock aquifers (geophysical tools, groundwater monitoring systems) will be utilized by the Iowa Geological Survey and the Department of Earth and Environmental Sciences.

"What's exciting about this project is that the new analytical capacity will be used to generate data that are directly integrated into state agency systems in the Iowa Geological Survey," says Brad Cramer, a principal investigator and associate professor in the Department of Earth and Environmental Sciences. "Those systems are then utilized by other state agencies and the private sector to determine the best approaches to sustainable development within their industries."

Jessica Meyer

NSF director Sethuraman Panchanathan praised the proposal: "These projects advance curiosity-driven research and focus on important issues such as STEM education and career opportunities in their communities by establishing regional partnerships with higher education and industry."

Jessica Meyer, assistant professor in the Department of Earth and Environmental Sciences, and Keith Schilling, state geologist and director of the Iowa Geological Survey at Iowa, also are principal investigators. The Iowa team will partner with the Kansas Geological Survey and the University of Kansas.

—adapted from Iowa Now

IOWA | College of Liberal Arts and Sciences