

**Simmons**  
UNIVERSITY



# RESEARCH AT SIMMONS

REPORT ON FUNDED PROJECTS AND SELECTED  
FACULTY AND STUDENT ACCOMPLISHMENTS 2022

(July 1, 2021 - June 30, 2022)

Office of Sponsored Programs

Office of Undergraduate  
Research and Fellowships

Controller's Office



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# LETTER FROM THE PROVOST

## DEAR COLLEAGUES,

The past year has been both challenging and transformative as we adjusted to the new normal at Simmons, and it has been a pleasure to witness your accomplishments and how you have utilized the unique opportunities that emerged.

While it would be impossible to summarize all of our various accomplishments in one report, the Research at Simmons Annual Report for Fiscal Year 2022 provides a retrospective overview of grant applications, funded research, and University-level research support for faculty, staff, and students at Simmons University between July 2021 and June 2022.

Research at Simmons is supported by several units that collaborate to provide the best possible services for our faculty and students. The Center for Faculty Excellence (CFE) broadly supports faculty research through sponsored programs support, professional development programs, internal faculty research and travel awards, some graduate student research funding, and Institutional Review Board (IRB) support. Funded research at Simmons University is also supported through Lori Friedman in Advancement, who supports Corporate and Foundation Relations. The Office of Undergraduate Research and Fellowships helps graduate and undergraduate students explore scholarly and creative passions, participate in paid, hands-on research experiences, present at national and international conferences, receive mentorship from faculty, and pursue global experiences.



This year, there were enhancements to support for faculty and student research as part of continued work aligned with President Wooten's nine strategic priorities. While sponsored programs and IRB support were already reporting to the Center for Faculty Excellence, these functions were more fully integrated into the CFE in June 2021 as part of the move to broaden CFE's mission of faculty support. In April 2022, the CFE welcomed Lenko Tankov, the new Senior Associate Director of Research and Sponsored Programs, who has already made notable improvements to policies and

procedures that improve our compliance and efficiency. Also, the CFE launched the Provost's Faculty Fellow for Scholarship and Research, which was held by Colin Rhinesmith in FY22, and started new research-related professional development programs for faculty in fall 2021 such as the Faculty Excellence in Scholarship Series. This year also included hiring additional support for

Corporate and Foundation Relations through Advancement. The past year was marked by many positive infrastructure enhancements that will support both faculty and student research. The complete renovation of Lefavour Hall and parts of the Main College Building provides 83,800 square feet of research space: 13 Science Labs, 3 Nursing Skills Labs, a 30 Bed Simulation Center, 5 PT/Exercise Science Labs, and 4 Faculty Research Clusters.

New policies and software were implemented in FY22 to support research at Simmons. Cayuse Human Ethics was introduced in 2020, and CFE continued working with the software's support

team this year to improve its functionality. InfoReady, used primarily for conflict of interest disclosures and internal grants in the past, is now utilized for institutional reviews and approvals of external applications. These advances, along with many other operational improvements, aim to reduce administrative burden and provide greater efficiency in our processes.

Despite the challenges from the past year, there were numerous research-related achievements in the past year that greatly contributed to Simmons' mission of intellectual leadership and linking passion with lifelong purpose. The university was awarded grants for \$4,893,817 in FY 2022. A few notable achievements include:

- Sarah Rose Cavanagh received an incubator grant from the National Science Foundation,
- Kyong Eun Oh received a grant from the Alfred P. Sloan Foundation,
- Melinda Gushwa received two grants: Simmons Workforce Wellbeing Empowerment Project, sponsored by Boston Children's Hospital and Institute for Trauma Treatment in Schools, sponsored by the Department of Health and Human Services,
- Jyoti Puri received the Jessie Bernard Award,
- Nanette Veilleux was awarded a collaborative research grant from the National Science Foundation.

Faculty support for research this year included support through both internal awards and professional development programming. Seven faculty members received the internal Faculty Fund for Research awards and 17 faculty received internal Faculty Development Fund travel awards. Professional development programming included August 2021 and May 2022 faculty writing retreats, fall 2021 program-

ming through the Provost's fellow, and individual support for grant submissions. In addition, funding was awarded to seven faculty members through the Undergraduate Faculty-Student Collaborative Fellowship, enabling faculty recipients to hire a student research assistant during the 2021-2022 academic year. The CFE is planning on relaunching the Proposal House program in FY23, sharing monthly updates through the CFE newsletter, and is looking forward to new ways to engage faculty. The newly appointed Provost's Faculty Fellow for Scholarship and Research, Nanette Veilleux, has already started outreach efforts and will craft and implement a vision designed to support faculty in their scholarship, research, and creative works that is aligned with the CFE's mission.

I am extremely grateful for your adaptability and determination during the past year and I am eager for another year of great achievements. I am looking forward to seeing you on campus and hearing about your research endeavors and success in the upcoming year.

Best Regards,

A handwritten signature in black ink, appearing to read "Russell Pinizzotto".

**Russell Pinizzotto, Ph.D.**

Provost

# EXTERNAL FUNDING HIGHLIGHTS



## SARAH ROSE CAVANAGH

Sarah Rose Cavanagh is the Senior Associate Director for Teaching and Learning in the Center for Faculty Excellence and an Associate Professor of Practice in the Psychology Department. Together with Michele Lemons of Assumption University, Sarah received a Research Coordination Network in

Undergraduate Biology Education (RCN-UBE) incubator grant from the National Science Foundation. Their project is titled Transforming Undergraduate Biology Education through Innovations in Assessment, Feedback, and Grading (nicknamed TUnE-Bio). They have completed a national survey of approximately 500 introductory biology instructors about their current practices, level of satisfaction, and barriers to improvement, and met with the entire network in June to discuss results and next steps, which include qualitative interviews with biology faculty, student focus groups, and plans for dissemination.



## KYONG EUN OH

Kyong Eun Oh, Associate Professor and Co-Director of the SLIS Doctoral Program, has received a \$43,916 grant from the Alfred P. Sloan Foundation for her project, "Collaborative Research Information Management in Cloud-Based Repositories." In this project, Oh investigates how researchers manage

their files in shared cloud-based repositories (e.g., Google Drive, Dropbox) while working on collaborative research projects, identifying the challenges as well as the strategies, and examining disciplinary differences regarding practices and needs. Oh plans to develop best practices for researchers in managing shared files in cloud-based repositories for collaborative projects.



## MELINDA GUSHWA

Melinda Gushwa is an Adjunct Professor and Research Affiliate in the School of Social Work.

The Simmons Workforce Wellbeing Empowerment Project (SWWEP) aims to strengthen the capacity of the mental health workforce to meet the needs of children and families in Boston impacted by trauma, with a particular emphasis on supporting the wellbeing of black, indigenous, and people of color (BIPOC) mental health practitioners. SWWEP will provide \$10,000 stipends to 18 BIPOC students in Simmons' School of Social Work MSW with Certificate in Trauma Practice program. Additionally, the project will provide training to 58 BIPOC community mental health

practitioners in the areas of burnout and secondary traumatic stress prevention, resilience in the context of being an emic practitioner, and a positive psychology intervention.

The Institute for Trauma Treatment in Schools (ITTS) bridges the gap in mental health disparities for children impacted by trauma through expansion of the capacity of the current and future school-based mental health workforce via online training and support. ITTS will provide training to 850 Masters of Social Work students and 900 school-based practitioners in Massachusetts and across the nation on school-based mental health and trauma. This is a five-year collaborative project between Simmons University and the Alliance for Inclusion and Prevention. Throughout the grant period, we will evaluate outcomes for pre-service and in-service school-based mental health professionals in their acquisition of knowledge and skills related to the identification and treatment of trauma in schools.



## JYOTI PURI

Jyoti Puri, Hazel Dick Leonard Chair and professor of sociology at Simmons University, is the recipient of the 2021 Jessie Bernard Award Recipient. The award is presented for significant cumulative work over a professional career that demonstrates broad scholarly impact. Puri was nominated by

a collective of esteemed colleagues who highlighted the impact of her internationally renowned scholarship. They describe her as a "pioneer" in the field of feminist research who "has demonstrated the importance of transnational and intersectional feminisms, queer studies, and cultural studies to the study of gender and sexuality." They note that "her work has advanced a critique of Western feminist and queer theory for their failure to attend seriously to colonial dynamics reproduced by scholarship that neglects the legacy of European colonialism on canonical sociological understanding of gender, sex, and sexuality." As both a prolific and impactful scholar as well as a feminist community-builder, Puri fully embodies the spirit of the Jessie Bernard Award. She is a credit not only to our discipline, but to feminist scholarship more broadly.



## CHRISTINA SELLERS

Assistant Professor of Social Work, Christina M. Sellers has received a grant from the American Foundation for Suicide Prevention to develop and test an integrated substance use and suicide intervention for use in outpatient substance use settings. Suicide and substance use are often interrelated, with each exacerbating the other. Adolescents with problematic

substance use typically receive outpatient substance use treatment, where suicidal thoughts and behaviors (STBs) are rarely addressed in a comprehensive manner. Given the role that substance use can play in STBs, and vice versa, greater attention to the development and implementation of integrated suicide and substance use interventions is essential. This two-year \$89,992 grant allows Dr. Sellers and her collaborators to develop a new innovative integrated intervention through interviews with both clinicians and patients and subsequently test the feasibility, acceptability, and preliminary efficacy of the intervention with 30 adolescents in outpatient substance use treatment settings.



## NANETTE VEILLEUX

Professor Nanette Veilleux received funding from the National Science Foundation to conduct the project Collaborative Research: Exploring Variation in English Intonational Acoustic Phonetics from Grammatical Perspectives. Spoken language consists of multiple streams of information—

including a segmental stream (i.e., the consonants and vowels that make up words, etc.) and a suprasegmental or prosodic stream (e.g., the pitch, amplitude, timing, etc.). All speakers (consciously or not) know prosody can be used to communicate meaning—a single sequence of words can be pronounced many ways, often with importantly distinct meanings. Despite this, most formal and computational linguistic investigations into meaning have primarily dealt with meanings encoded by the word stream. This collaborative project leverages expertise from Simmons University, Princeton University, and the Massachusetts Institute of Technology to address this issue by exploring questions of how prosody and meaning relate. For example, what sorts of prosodic changes map onto changes in meaning? To explore these questions, the research team makes use of contemporary empirical methodologies, analytic tools, and formal theories, and particular attention is paid to intonational aspects of prosody. This work has important implications for improving human-computer interactions that are mediated by natural language, as well as for deepening understanding of various speech pathologies.

# PROPOSALS

**17** TOTAL PROPOSALS

## PROPOSALS BY SPONSOR TYPE

Public	Private	Foundation
<b>4</b>	<b>3</b>	<b>5</b>

Federal	Corporate
<b>4</b>	<b>1</b>

## PROPOSALS BY UNIT

Provost's Office	Community Engagement	School of Social Work
<b>2</b>	<b>1</b>	<b>11</b>

History Department	School of Library and Information Science	School of Nursing
<b>1</b>	<b>1</b>	<b>1</b>

# EXTERNAL FUNDING

## Proposals

APPLICANT	STATUS	PROGRAM TITLE	PRIMARY ORGANIZATION	COLLEGE/ UNIT	PROPOSAL TITLE	PROJECT PURPOSE	PROJECT START DATE	PROJECT END DATE	DIRECT COSTS AMOUNT	INDIRECT COSTS AMOUNT	TOTAL PROJECT COSTS AMOUNT	SPONSOR TYPE	SPONSOR NAME	CO-APPLICANT	PRIME SPONSOR NAME (IF SUB-AWARD)
<b>Doran, Meghan</b>	Awarded	Bonner Community-Engaged Learning Initiative	Community Engagement	COCIS	Bonner Community-Engaged Learning Initiative	Training	9/1/22	8/31/22	\$11,000	\$0	\$11,000	Foundation	Bonner Foundation	—	—
<b>Dumas, Catherine</b>	Submitted	Focused Research Award and Faculty Innovation Award	School of Library and Information Science	COCIS	Investigating Business Applications for Social VR through Personalized Recommender System	Applied Research	3/15/22	3/15/23	\$91,400	\$4,570	\$95,970	Corporation	Sony	Lukasz Porwol, Zona Kostic, Nili Steinfeld	—
<b>Goldberg, Renada</b>	Submitted	Share Our Strength	School of Social Work	COCIS	Evaluation of 10 State Community of Practice Initiative on the Child Tax Credit and Tax Benefits	Research	6/1/22	3/31/23	\$38,563	\$3,856	\$42,419	Foundation	—	—	—
<b>Goldberg, Renada</b>	Awarded	Life Course Center for the Demography and Economics of Aging	School of Social Work	COCIS	Life Course Center for the Demography and Economics of Aging	Research	7/1/22	6/30/23	\$6,764	\$3,236	\$10,000	Federal Government	NIH	—	—
<b>Graves, Daren</b>	Submitted	Templeton Foundation/Boston College	School of Social Work	Provost's Office	Critical Crew: Supporting Youth Critical Consciousness of Race and Racism through Advisory Programming	Basic Research	9/1/22	8/31/24	\$51,153	\$7,673	\$58,826	Private Organization (includes private universities, associations, etc.)	Boston College	—	Templeton Foundation
<b>Graves, Daren</b>	Submitted	Spencer Foundation/BC	School of Social Work	CNBHS	The Critical Crew Project: Convening Professional Learning Communities to Support Adolescents' Racial Identity Development and Critical Consciousness in Crew	Basic Research	9/1/22	8/31/24	\$29,232	\$4,835	\$33,617	Private Organization (includes private universities, associations, etc.)	Boston College	—	Spencer Foundation
<b>Gushwa, Melinda</b>	Awarded	Mental Health Systems	School of Social Work	CSSPP	Simmons Workforce Wellbeing Empowerment Project (SWWEP)	Research	5/1/22	4/30/25	\$298,393	\$29,839	\$328,232	Private Organization (includes private universities, associations, etc.)	Boston Children's Hospital	—	—
<b>Hamil-ton-Mason, Johnnie</b>	Rejected	Summer Stipends	School of Social Work	CSSPP	The Experiences of Black Women Boarders at the League of Women for Community Service in Boston	Basic Research	6/1/22	12/20/22	\$6,000	\$0	\$6,000	Federal Government	National Endowment for the Humanities	—	—
<b>Hamil-ton-Mason, Johnnie</b>	Submitted	King Boston—Visiting Scholar Award	School of Social Work	CSSPP	The Experiences of Black Women Boarding at the League of Community Services in Boston	Basic Research	1/1/22	12/31/22	\$96,730	\$5,883	\$102,614	Foundation	King Boston	—	—

# EXTERNAL FUNDING

## Proposals

APPLICANT	STATUS	PROGRAM TITLE	PRIMARY ORGANIZATION	COLLEGE/ UNIT	PROPOSAL TITLE	PROJECT PURPOSE	PROJECT START DATE	PROJECT END DATE	DIRECT COSTS AMOUNT	INDIRECT COSTS AMOUNT	TOTAL PROJECT COSTS AMOUNT	SPONSOR TYPE	SPONSOR NAME	CO-APPLICANT	PRIME SPONSOR NAME (IF SUB-AWARD)
Kanya, Hugo	Submitted	Small Research Grants	School of Social Work	CSSPP	Jenga-Building Stories of Resilience, Healing and Coping Among African Immigrants: Toward Educational Equity and Success through Stories and Social Capital	Basic Research	7/1/22	12/31/24	\$58,802	\$0	\$58,802	Foundation	Spencer Foundation	—	—
Leiter, Valerie	Submitted	Public Health Scholarship Program	School of Social Work and Department of Public Health	CSSPP	Building Local Health Equity Capacity (BLHEC)	Basic Research	9/30/22	8/31/25	\$1,483,310	\$10668	\$1,493,978	Federal Government	HRSA-US Department of Health and Human Services	—	—
Leonard, Sarah	Submitted	NEH Summer Stipends	History Department	Ifill	"Jewishness" and Early Photography in Hamburg, 1839-1860	Basic Research	6/1/22	8/31/22	\$6,000	\$0	\$6,000	Federal Government	National Endowment for the Humanities	—	—
Putney, Jennifer	Submitted	School-based Telebehavioral Health Pilot	School of Social Work	CSSPP	School-Based Telebehavioral Health Pilot	Training	9/1/21	8/31/22	\$121,817	\$51,136	\$172,953	Public Organization (includes local governments, public universities, etc.)	Medical Care Development (MCD)	—	MA Department of Public Health: Bureau of Community Health and Prevention
Rissmiller, Patricia	Submitted	The Reimagining Nursing Initiative	School of Nursing	CNBHS	Reimagining Nursing Initiative: Telehealth Enabled Nursing Practice	Training	2/1/22	1/31/25	\$1,471,163	\$28,355	\$1,499,518	Foundation	American Nurses Foundation	Ashley K. Parks	—
Thomas, Kristie	Submitted	FY 2022 AmeriCorps State and National Public Health AmeriCorps	School of Social Work	CSSPP	Collaboration with Arizona State University: AmeriCorps State and National Public Health AmeriCorps	Training	8/1/22	7/31/23	\$35,733	\$1,880	\$37,613	Public Organization (includes local governments, public universities, etc.)	Arizona State University	—	AmeriCorps
Voos, Richard	Submitted	JumpStart/Ameri-corps (FY22)	Provost's Office	—	JumpStart	Training	9/1/21	8/31/22	\$85,939	\$0	\$85,939	Public Organization (includes local governments, public universities, etc.)	JumpStart	—	—
Voos, Richard	Submitted	Open Educational Resources as the Means to Enhance Integrative Learning: AAC&U's Implementation Grant Proposal	Provost's Office	—	Open Educational Resources as the Means to Enhance Integrative Learning	Instruction	7/26/21	7/25/23	\$38,500	\$0	\$38,500	Public Organization (includes local governments, public universities, etc.)	The Association of American Colleges and Universities (AAC&U)	—	—

# EXTERNAL AWARDS

**10** EXTERNAL AWARDS

**\$4,791,203** TOTAL AWARDED

## PROPOSALS BY SPONSOR TYPE AND TOTAL AWARD AMOUNT

Federal sponsors	Corporate sponsors	Foundation sponsors
<b>\$3,426,545</b>	<b>\$1,172,052</b>	<b>\$192,606</b>

## PROPOSALS BY UNIT

Provost's Office	CSSPP	COCIS
<b>3</b>	<b>5</b>	<b>2</b>

## Awards

PI NAME	PROJECT TITLE	SPONSOR/AGENCY NAME	START DATE	END DATE	DEPARTMENT/ SCHOOL NAME	COLLEGE/UNIT	AMOUNT AWARDED
<b>Cavanagh, Sarah</b>	RCN-UBE Incubator: Transforming Assessment and Feedback in Undergraduate Biology Education	NSF	3/22/22	8/31/22	Center for Faculty Excellence	Provost's Office	\$74,960
<b>Collin, Cali-Ryan</b>	Harm Reduction Training (HaRT) Scholarship Program	RIZE	7/1/21	7/1/23	School of Social Work and Department of Psychology	CSSPP	\$289,856
<b>Gushwa, Melinda</b>	SWWEP—Simmons Workforce Wellbeing Empowerment Project	Boston Children's Hospital	5/1/22	4/30/25	School of Social Work	CSSPP	\$298,393
<b>Gushwa, Melinda</b>	Institute for Trauma Treatment in Schools	DHHS/Substance Abuse and Mental Health Services Administration	9/30/21	9/29/26	School of Social Work	CSSPP	\$2,929,616
<b>Hamilton-Mason, Johnnie</b>	King Boston Visiting Scholar	King Boston	1/1/22	12/31/22	School of Social Work	CSSPP	\$102,614
<b>Paden, Catherine</b>	Access to Learning: Fall 2020; Strengthening the Simmons University/2U Partnership	2U, Inc.	8/3/21	6/30/21	—	Provost's Office	\$500,000
<b>Rhinesmith, Colin</b>	Improving Digital Inclusion and Broadband Infrastructure in Native Communities	Institute of Museum and Library Services	8/1/21	6/24/22	School of Library and Information Science	COCIS	\$278,423
<b>Sellers, Christina</b>	Integrated Suicide and Substance Use Intervention	American Foundation for Suicide Prevention	1/1/22	1/1/24	School of Social Work	CSSPP	\$89,992
<b>Starkman, Dara and Voos, Richard</b>	AmeriCorps-JumpStart XVIII	JumpStart for Young Children, Inc.	9/1/21	8/31/22	Office of Community Engagement	Provost's Office	\$83,803
<b>Veilleux, Nanette</b>	Collaborative Research: Exploring Variation in English Intonational Acoustic Phonetics from Grammatical Perspectives	National Science Foundation	8/15/21	1/31/25	Division of Mathematics, Computing, and Statistics	COCIS	\$143,546
							<b>\$4,791,203</b>

# EXPENDITURES

**35** GRANTS MANAGED

**18** FEDERALLY FUNDED

Direct  
costs

**\$1,552,183**

Indirect  
costs

**\$126,306**

**17** PRIVATE FUNDED

Direct  
costs

**\$299,957**

Indirect  
costs

**\$28,309**

## EXTERNAL FUNDING

### Expenditures: Federally Funded

SIMMONS' GRANT #	PROJECT TITLE	SPONSOR/AGENCY NAME	PRIME SPONSOR (IF SUB-AWARD)	START DATE	END DATE	PI NAME	DEPARTMENT/ SCHOOL NAME	COLLEGE NAME	Since start date		FY21 as of 06/30/21		F&A/INDI-RECT RATE
									AMOUNT AWARDED	CUMULATIVE COSTS	DIRECT COSTS	INDIRECT COSTS	
400013	Behavioral Health Workforce Education	HRSA (Health Resources and Services Agency)	—	9/30/17	8/31/21	Jennifer Putney and Suzanne Sankar	School of Social Work and Department of Psychology	CSSPP	\$2,236,279	\$2,234,553	\$43,870	\$3,510	8%
400014	Building Capacity To Improve Community Participation	The Washington University	Department of Health and Human Services	9/30/17	9/29/22	Michelle Putnam	School of Social Work and Department of Psychology	CSSPP	\$154,261	\$46,393	\$14,597	\$6,983	52%
400018	Collaborative Research: REU Site: Multisite REU in Synthetic Biology	National Science Foundation	—	3/1/19	2/28/22	Jennifer Roecklein-Canfield	Chemistry and Physics	CNBHS	\$215,377	\$167,066	\$66,335	\$258	52%
400019	Retooling the Librarian Workforce: Innovative Post-Master's Certificate Program for Developing Inter-Professional Information	Institute of Museum and Library Services	Simmons	7/1/19	6/30/22	Rong Tang	School of Library and Information Science	COCIS	\$418,951	\$397,060	\$43,109	\$13,575	52%
400021	Opiod Workforce Expansion Program –Professional	HRSA (Health Resources and Services Agency)	—	9/1/19	8/31/22	Jennifer Putney	School of Social Work and Department of Psychology	CSSPP	\$1,281,354	\$1,199,171	\$375,816	\$30,065	8%
400028	Ameri corps-Jump-Start XVII	JumpStart for Young Children, Inc.	—	9/1/20	8/31/21	Dara Starkman and Richard Voos	Office of Community Engagement	Provost's Office	\$84,328	\$81,351	\$13,589	\$558	4%
400029	Ameri corps-Jump-Start XVIII	JumpStart for Young Children, Inc.	—	9/1/21	8/31/22	Dara Starkman and Richard Voos	Office of Community Engagement	Provost's Office	\$83,803	\$71,146	\$68,272	\$2,874	4%
400033	Simmons SSW Expansion of Practitioner Education	Substance Abuse and Mental Health Services Administration	—	4/30/20	4/29/22	Jennifer Putney	School of Social Work and Department of Psychology	CSSPP	\$196,591	\$188,504	\$81,762	\$6,541	8%
400034	African American Undergraduates Use of Academic Libraries	Institute of Museum and Library Services	—	9/1/20	2/28/23	Rebecca Davis	School of Library and Information Science	COCIS	\$140,834	\$87,097	\$41,507	\$18,365	52%
400036	RUI: Unraveling the Developmental Genetics that Underlie Anuran Limb Initiation	National Science Foundation	—	4/1/21	3/31/24	John Young	Biology	CNBHS	\$315,757	\$100,199	\$54,210	\$3,348	52%
400037	Institute for Trauma Treatment in Schools	DHHS/Substance Abuse and Mental Health Services Administration	—	9/30/21	9/29/26	Melinda Gushwa	School of Social Work	CSSPP	\$2,929,616	\$91,637	\$87,164	\$6,973	8%
400038	Improving Digital Inclusion and Broadband Infrastructure in Native Communities	Institute of Museum and Library Services	Simmons	8/1/21	6/24/22	Colin Rhinesmith	School of Library and Information Science	COCIS	\$278,423	\$33,994	\$28,286	\$5,707	52%

## EXTERNAL FUNDING

### Expenditures: Federally Funded

SIMMONS' GRANT #	PROJECT TITLE	SPONSOR/AGENCY NAME	PRIME SPONSOR (IF SUB-AWARD)	START DATE	END DATE	PI NAME	DEPARTMENT/ SCHOOL NAME	COLLEGE/UNIT	Since start date		FY21 as of 06/30/21		
									AMOUNT AWARDED	CUMULATIVE COSTS	DIRECT COSTS	INDIRECT COSTS	
400042	Shared Decision-Making and Colorectal Cancer Screening Behaviors Among Older Adults with Low Health Literacy	NIH-National Institute of Aging	—	1/15/20	12/31/24	Tamara Cadet	School of Social Work and Department of Psychology	CSSPP	\$633,906	\$81,605	\$19,858	\$1,589	8%
400043	Collaborative Research: Exploring Variation in English Intonational Acoustic Phonetics from Grammatical Perspectives	National Science Foundation	2042702	8/15/21	1/31/25	Nanette Veilleux	Division of Mathematics, Computing, and Statistics	COCIS	\$143,546	\$42,898	\$28,912	\$13,986	52%
400044	RCN-UBE Incubator: Transforming Assessment and Feedback in Undergraduate Biology Education	NSF	Simmons	3/22/22	8/31/22	Sarah Cavanagh	Center for Faculty Excellence	Provost's Office	\$74,960	\$31,295	\$27,433	\$3,863	52%
400051	Establish Data Center	IREX	Tikrit University	12/1/20	12/1/21	Michele Cloonan	Provost's Office	Provost's Office	\$73,193	\$56,653	\$40,562	\$8,112	20%
402005	Governor's Emergency Education Relief (GEER)	Comm of MA	—	—	—	—	—	—	\$90,000	\$0	\$0	\$0	0%
402050	Mass Gilbert Grant 22	—	—	7/1/20	6/30/21	Amy Staffier	Student Financial Services	—	\$516,900	\$516,900	\$516,900	\$0	0%
										<b>\$1,552,183</b>	<b>\$126,306</b>		

## EXTERNAL FUNDING

### Expenditures: Private Funding

GRANT #	PROJECT TITLE	SPONSOR/AGENCY NAME	PRIME SPONSOR (IF SUB-AWARD)	START DATE	END DATE	PI NAME	DEPARTMENT NAME	COLLEGE/UNIT	Since start date		FY21 as of 6/30/21		F&A/INDIRECT RATE
									AMOUNT AWARDED	CUMULATIVE COSTS	DIRECT COSTS	INDIRECT COSTS	
404043	Integrated Suicide and Substance Use Intervention	American Foundation for Suicide Prevention	YIG-1-165-20	1/1/22	1/1/24	Christina Sellers	School of Social Work	CSSPP	\$89,992	\$12,382	\$12,382	\$0	0%
404063	Summer Stipend Program	Sherman Fairchild Foundation	—	4/1/18	3/31/21	Cassandra Saito and Jane Lopilato	Biology	CNBHS	\$171,885	\$99,624	\$0	\$0	0%
404076	Queering the Paradigm	Society for the Psychological Study of Social Issues	—	3/1/19	12/31/20	Kristie Thomas, Advisor (N. Brewer)	School of Social Work	CSSPP	\$1,000	\$0	\$0	\$0	0%
404079	Boston Children's Collab for Comm Health—Simmons Trauma Education Project	Boston Children's Hospital	—	5/1/19	4/30/22	Melinda Gushwa	School of Social Work	CSSPP	\$299,542	\$283,450	\$81,510	\$8,151	10%
404080	Study of Diversity and Inclusiveness of Minority Professional SAT Leadership Levels in Human Services Industry	African Bridge Network (ABN)	—	4/25/19	11/31/19	Johnnie Hamilton-Mason and Hugo Kamya	School of Social Work	CSSPP	\$10,473	\$6,652	\$0	\$0	0%
404087	Family-Based Crisis Intervention for Suicidal Adolescents: Adaptation for Primary Care	Tommy Fuss Center for Neuropsychiatric Disease Research	Boston Children's Hospital	9/1/19	8/31/20	Christina Sellers	School of Social Work	CSSPP	\$18,069	\$0	\$0	\$0	0%
404089	Access to Learning: Fall 2020; Strengthening the Simmons University/2U Partnership	2U, Inc.	—	8/3/21	6/30/21	Catherine Paden	—	Provost's Office	\$500,000	\$316,840	\$6,870	\$0	0%
404090	Doctors On Call	W. K. Kellogg Foundation	—	9/1/20	8/31/21	Brian Norman	Ifill Administration	Ifill	\$250,000	\$246,141	\$4,429	\$0	0%
404091	Climate Justice in Environmental Education	BT2P	—	2/1/21	5/31/23	Meghan Doran	Office of Community Engagement	Provost's Office	\$5,000	\$5,000	\$5,000	\$0	0%
404093	Harm Reduction Training (HaRT) Scholarship Program	RIZE	—	7/1/21	7/1/23	Cali-Ryan Collin	School of Social Work and Department of Psychology	COCIS	\$289,856	\$196,936	\$118,047	\$17,707	15%
404094	Cloud-Based File Repositories	Alfred P. Sloan Foundation	—	6/1/21	5/31/23	Kyong Eun Oh	School of Library and Information Science	COCIS	\$43,916	\$43,916	\$28,289	\$0	0%
404095	IE3 Learning Grant	HHMI	—	4/1/21	3/31/23	Elizabeth Scott	—	CNBHS	\$30,000	\$538	\$538	\$0	0%
404096	King Boston Visiting Scholar	King Boston	—	1/1/22	12/31/22	Johnnie Hamilton-Mason	School of Social Work	CSSPP	\$102,614	\$37,805	\$35,353	\$2,451	10%

## EXTERNAL FUNDING

### Expenditures: Private Funding

GRANT #	PROJECT TITLE	SPONSOR/AGENCY NAME	PRIME SPONSOR (IF SUB-AWARD)	START DATE	END DATE	PI NAME	DEPARTMENT NAME	COLLEGE/UNIT	Since start date		FY22 as of 6/30/22		
									AMOUNT AWARDED	CUMULATIVE COSTS	DIRECT COSTS	INDIRECT COSTS	
404097	UMass-Lowell	University of Massachusetts Lowell Libraries	—	10/12/17	10/12/22	Kathy Wisser	School of Library and Information Science	COCIS	\$5,000	\$3,403	\$3,861	\$0	0%
404401	Global Initiative Fund for the Future	McGrath Foundation	—	12/1/18	6/30/23	Nakeisha Cody	Undergraduate Research and Fellowships	Provost's Office	\$500,000	\$140,731	\$0	\$0	0%
404402	Functional Medicine Education—Nutrition	Heinz Foundation	—	1/8/19	1/7/21	Elizabeth Metallinos-Katsaras	Nutrition Department	CNBHS	\$95,000	\$63,926	\$3,678	\$0	0%
404081	SWWEP—Simmons Workforce Wellbeing Empowerment Project	Boston Children's Hospital	NA	5/1/22	4/30/25	Melinda Gushwa	School of Social Work	CSSPP	\$298,393	\$0	\$0	\$0	0%
									<b>\$299,957</b>	<b>\$28,309</b>			

# INTERNAL AWARDS

## FACULTY FUND FOR RESEARCH

Awardees	Amount awarded	Amount expended
7	\$17,500	\$12,453

## FACULTY DEVELOPMENT FUND

Awardees	Amount awarded	Amount expended
17	\$8,879	\$12,800

## GRADUATE STUDENT RESEARCH FUND

Awardees	Amount awarded	Amount expended
4	\$4,000	\$2,337

## GRADUATE STUDENT TRAVEL FUND

Awardees	Amount awarded	Amount expended
16	\$7,760	\$7,238

# FACULTY FUND FOR RESEARCH

LAST NAME	FIRST NAME	DEPARTMENT	COLLEGE/UNIT	TITLE	AWARD AMOUNT
Goldberg	Renada	School of Social Work	CSSPP	Resilience in Social Work: How Does Happen, Help, and Hurt?	\$2,500
Leonard	Sarah	History Department	Ifill	"Jewishness" and Early Photography in Hamburg, 1839-1860	\$2,500
Mukherjee	Zinnia	Economics Department	CSSPP	The Relationship between Greenhouse Gases, Forest Coverage, and Economic Growth	\$2,500
Rissmiller	Patricia	School of Nursing	CNBHS	Simmons Nursing Programs: A History of Excellence, 1902-2002	\$2,500
Selod	Saher	Sociology Department	CSSPP	The Impact on Surveillance and Policing on Political Participation for Muslim Americans	\$2,500
Tiwari	Devashish	Physical Therapy Department	CNBHS	Examining Dimensionality, Construct Validity, Responsiveness, and Reliability of the Function, Activities, and Participation Measure for Neck Pain in Children and Adolescents (FAP-neck CA).	\$2,500
Zachary	Michael	Art and Music Department	Ifill	Artists Residency Fellowship with the Josef and Anni Albers Foundation	\$2,500

# FACULTY DEVELOPMENT FUND

LAST NAME	FIRST NAME	DEPARTMENT/SCHOOL	COLLEGE/ UNIT	CONFERENCE/LOCATION	ACTIVITY	AMOUNT AWARDED
<b>Agarwal</b>	<b>Naresh</b>	School of Library and Information Science	COCIS	ASIS&T: Salt Lake City, UT	Attending the ASIS&T Annual Meeting 2021	\$500
<b>Campos Fleitas</b>	<b>Claudia</b>	Behavior Analysis Department	CNBHS	Association for Behavior Analysis International: Boston, MA	Evaluating Social Interactions and Preferences of Individuals with Intellectual and Developmental Disabilities	\$500
<b>Davis</b>	<b>Rebecca</b>	School of Library and Information Science	COCIS	American Library Association (ALA) Annual Conference: Washington, DC	ALA—LIRT Awards Committee	\$500
<b>Donovan</b>	<b>Elizabeth</b>	Psychology Department	CNBHS	Society for Behavioral Medicine: Baltimore, MD	Society for Behavioral Medicine 2022	\$500
<b>Dumas</b>	<b>Catherine</b>	School of Library and Information Science	COCIS	Digital Government and Society: Virtual	Registration Fee DGO 2022	\$200
<b>Frost</b>	<b>Abbie</b>	School of Social Work	CSSPP	Student Veterans of America, Disney's Coronado Springs Resort: Orlando, FL	Supporting Veterans' Academic Success, Well-Being, and Positive Mental Health: Employing a Strengths-Based Approach	\$500
<b>Graf</b>	<b>Ann</b>	School of Library and Information Science	COCIS	Simmons University	Roundtable on Education in Knowledge Organization	\$500
<b>Kamya</b>	<b>Hugo</b>	School of Social Work	CSSPP	Society for Social Work and Research	Providing Services to Youth Involved in Transactional Sex: Professional Ethics in the Context of LGBTQ+ and Gender Oppression	\$500
<b>Maguire</b>	<b>Russell</b>	Behavior Analysis Department	CNBHS	Association of Behavior Analysis, International: Boston, MA	Annual Conference; Association of Behavior Analysis, International	\$700
<b>Ogden</b>	<b>Lydia</b>	School of Social Work	CSSPP	Council on Social Work Education: Orlando, FL	Conference Presentation	\$500
<b>Parr</b>	<b>Jessica</b>	History Department	Ifill	Cambridge University Digital Humanities	Antiracist and Decolonized Digital Humanities Practices	\$500
<b>Rather</b>	<b>Farooz</b>	English Department	Ifill	Kenyon Review's Summer Residential Workshop	The Derby Shoe	\$500
<b>Roecklein-Canfield</b>	<b>Jennifer</b>	Chemistry and Physics Department	CNBHS	ASBMB: Philadelphia, PA	ASBMB Meeting Registration	\$500
<b>Rosenthal</b>	<b>Aaron</b>	Political Science and International Relations Department	CSSPP	Midwest Political Science Association: Chicago, IL	Midwest Political Science Association Conference Travel and Hotel Fees	\$451
<b>Schwartz</b>	<b>Matthew</b>	Biology Department	CNBHS	ITLC Lilly San Diego 2022 Conference: Teaching for Active and Engaged Learning	Presentation at ITLC Lilly San Diego 2022 Conference: Teaching for Active and Engaged Learning	\$500
<b>Trefalt</b>	<b>Spela</b>	School of Business	COCIS	WFRN Conference 2022: Trefalt	WFRN Conference 2022: Trefalt	\$700
<b>Verma-Agrawal</b>	<b>Meenakshi</b>	Public Health Department	CSSPP	National Conference on Tobacco or Health (NCTOH): New Orleans, LA	Poster Presentation at National Conference on Tobacco or Health with Massachusetts Department of Public Health	\$828

# GRADUATE STUDENT FUND FOR RESEARCH

APPLICANT LAST NAME	APPLICANT FIRST NAME	APPLICATION	COLLEGE/UNIT	SCHOOL/DEPARTMENT	FACULTY ADVISOR	ADVISOR'S DEPARTMENT	FUNDING AMOUNT
Ecko Jojo	Grace	Equipping Marginalized Business Owners and Executives with Evidence-Based Behavior Systems Analysis	CNBHS	Organizational Culture, Inclusion, and Equity	Philip N. Chase	Behavior Analysis	\$1,000
Lamb	Angela	Pilot Study for Latino Patients with Type 2 Diabetes	CNBHS	School of Nursing	Naila Russell	Simmons University College of Natural, Behavioral, and Health Sciences	\$1,000
Li	Mei-Hua	The Effects of Matrix Training on Reading Responses with Adult ESL Learners	CNBHS	Behavior Analysis Department	Dr. Judah B. Axe	Department of Behavior Analysis	\$1,000
Sullivan	Matthew	Habits and Heuristics: How Information Professionals Verify News Online	COCIS	School of Library and Information Science	Laura Saunders	School of Library and Information Science	\$1,000

# GRADUATE STUDENT FUND FOR TRAVEL

LAST NAME	FIRST NAME	DEPARTMENT	COLLEGE/UNIT	FACULTY ADVISOR	CONFERENCE	LOCATION	ACTIVITY	AWARDED AMOUNT
Berg-Pappert	Alexandra	Physical Therapy Department	CNBHS	Amitabh Dashottar	Combined Sections Meeting (Sponsored by APTA)	San Antonio, TX	Presenting a Poster	\$500
Blackwell	Molly	Physical Therapy Department	CNBHS	Stacey Maguire	APTA Combined Sections Meeting	San Antonio, TX	Presenting a Poster	\$500
Danis	Rayna	Gender and Cultural Studies Department	Ifill	Suzanne Leonard	PAMLA—Pacific Ancient and Modern Language Association	Las Vegas, NV	Presenting a Paper	\$500
Dike	Hannah	Physical Therapy Department	CNBHS	Justin Beebe	Combined Sections Meeting: American Physical Therapy Association—Annual National Conference	San Antonio, TX	Presenting a Poster	\$500
English	Samuel	Physical Therapy Department	CNBHS	Justin Beebe	American Physical Therapy Association: Combined Sections Meeting	San Antonio, TX	Presenting a Poster	\$500
Grezzi	Gabriella	Physical Therapy Department	CNBHS	Justin Beebe	American Physical Therapy Association: Combined Sections Meeting (CSM)	San Antonio, TX, USA	Presenting a Poster	\$500
Holms	Sophia	Physical Therapy Department	CNBHS	Jenna Steube-Powers	Combined Sections Meeting (Sponsored by APTA)	San Antonio, TX	Presenting a Poster	\$500
Labbay	Katherine	Physical Therapy Department	CNBHS	Amitabh Dashottar	Combined Sections Meeting (Sponsored by APTA)	San Antonio, TX	Presenting a Poster	\$500
Luke	Mikaela	Children's Literature Department	Ifill	Cathie Mercier	International Research Society of Children's Literature 25th Biennial Congress	Fully Online Modality (Original Location: Santiago, Chile)	Presenting a Paper	\$194
Mihalich	Kristen	Physical Therapy Department	CNBHS	Amitabh Dashottar	APTA 2022 Combined Sections Meeting	San Antonio, TX	Presenting a Poster	\$500
Miller	Olivia	Behavior Analysis Department	CNBHS	Gretchen Dittrich	Association for Behavior Analysis International 48th Annual Convention	Boston, MA	Presenting Author on Panel	\$500
Redwine	Lillian	Physical Therapy Department	CNBHS	Mark Dynan	APTA Combined Sections Meeting	San Antonio, TX	Presenting a Poster	\$500
Roseberry	Kaitlyn	Physical Therapy Department	CNBHS	Devashish Tiwari	American Physical Therapy Association's Combined Sections Meeting (APTA CSM)	San Antonio, TX	Presenting a Poster	\$500
Shepherd	Sarah	History Department	Ifill	Stephen Ortega	West Virginia Museum Association Conference 2022	Fayetteville, WV	Presentation	\$476
Stockman	Cara	Department of Physical Therapy	CNBHS	Jenna Stuebe Powers	American Physical Therapy Association Combined Sections Meeting 2022; Acute Care	Henry B. Gonzalez Convention Center, San Antonio TX	Presenting a Poster	\$500
Tarasiak	Paige	Department of Physical Therapy	CNBHS	Jenna Stuebe Powers	American Physical Therapy Association Combined Sections Meeting 2022	San Antonio, TX	Presenting a Poster	\$500

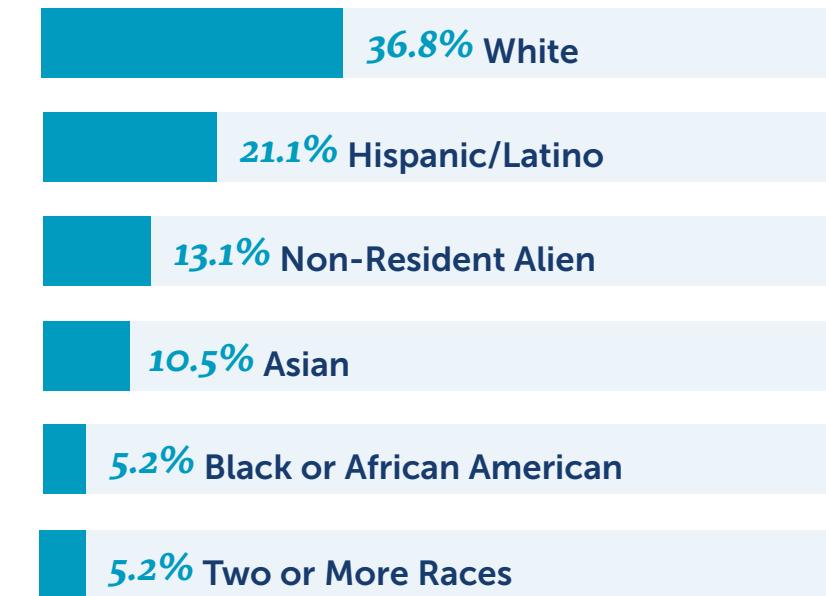
# OFFICE OF UNDERGRADUATE RESEARCH AND FELLOWSHIPS (URF)

## KOTZEN SCHOLARSHIP

The most prestigious award offered at Simmons, the Kotzen Scholarship acknowledges excellence through focus on study abroad, scholarly research, and intellectual curiosity. Within this program, students are awarded full tuition and room and board, plus an additional \$3,000 for academic pursuits such as study abroad, research support, and more. The scholarship is awarded for the duration of a four-year period of full-time undergraduate study and supersedes any previously awarded merit scholarship.

Total scholars since 2012	Total AY21-22 scholars	AY21-22 first year retention rate	AY21-22 four year graduation rate
<b>95</b>	<b>38</b>	<b>100%</b>	<b>85%</b>

### Demographics:



**Avg  
GPA**  
**3.83**

**10.5%**  
First gen  
**5.2%**  
Pell eligible  
**10**

Total FY21 stipend funding provided  
**\$118,933**

## NATIONALLY COMPETITIVE AWARDS AND FELLOWSHIPS

In addition to providing Simmons-based grants and programming, URF also connects students with nationally competitive awards and fellowships. Since the application processes are rigorous and highly selective, URF provides a centralized location where students can receive counseling, feedback, and support.

Applications submitted

18

Students submitted applications for the following awards

- Critical Language Scholarship (6)
- Fulbright US Student Program (7)
- Truman Scholarship (3)
- Goldwater Scholarship (1)
- Gilman Scholarship (1)

Semifinalists

2

SHANIA AMBROS '22

Fulbright Study/  
Research Award, Taiwan

ELISE LEMONS MSW '21

Fulbright Study/  
Research Award, Jamaica

Finalists

2

COURTNEY DALTON MLIS '22

Fulbright Study/  
Research Award, Taiwan

LIANN GREGORY '24:

Gilman Scholarship,  
United Kingdom

## PASSIONATE LEADERS PROJECT

The Passionate Leaders Project (PLP) supports undergraduate students seeking to enrich their academic and professional interests by funding learning opportunities beyond the boundaries of the traditional classroom. Students may request up to \$4,000 through the PLP to fund a variety of activities including global experiences, research, internships, service projects, creative endeavors, and other ambitious undertakings.

Applications submitted

26

New projects funded

10

Total funding provided

\$31,216

Testing the Efficacy and Safety of Targeted FUS-BBB Drug Delivery of an AAV-9-packaged gene Therapy for Huntington's Disease

**Student:** Beyza Erdem '22, Biochemistry

The Biological and Mechanical Characterization of Collagen-PEG Scaffolds in the Context of Spinal Cord Repair

**Student:** Hena Haque '22, Biochemistry

Exploring the Intersection Between Upstream and Downstream Approaches to Domestic Violence Work

**Student:** Miranda Leclerc '23, History and International Relations

Differences in Sex Hormone Receptor Distribution in the Mouse Arcuate Nucleus and its Implications in Alzheimer's Disease

**Student:** Shania Prosper '22, Neuroscience

Interrogating Access to Services for Individuals who are Housing Insecure in Boston, Massachusetts

**Student:** Kyla Botsian '22, Public Health and Sociology

'Our Gardens': Self-Care Weekly Workshop  
**Student:** Rania George '22, Social Work

Towards Personalized Treatment: Examining Baseline Characteristics as Predictors of Individual Module Effectiveness within Youth Modular Psychotherapy

**Student:** Emma Hill '22, Psychology

Using Computational Methods to Design Selective Syntheses for New Silaazacycles with Applications in Drug Development

**Student:** Rachel Stein '22, Chemistry

Cordigo Artspace: Sharing Cordilleran Cultural Knowledge through Art

**Student:** Shania Louise Sagra Ambros '22, Web Design and Development

# SURPASS (SUMMER UNDERGRADUATE RESEARCH PROGRAM AT SIMMONS)

The Summer Undergraduate Research Program at Simmons (SURPAsS) is a paid, intensive summer research experience for undergraduate students and faculty mentors across a variety of disciplines. SURPAsS is made possible by generous gifts from many alumni, including Trustee Regina Pisa and Trustee Pamela Toulopoulos '73, as well as support from the Office of the Provost.

**Applications submitted**

**11**

**New projects funded**

**10**

**Total funding provided**

**\$57,217**

**Evaluating the Effect of RNAi Silencing on the KRAS Signaling Cascade in PANC 1 Pancreatic Cancer Cells**

**Student:** Molly Riley '23, Biochemistry  
**Mentor:** Jennifer Roecklein-Canfield, Chemistry and Physics

**The Long Campaign Trail: Analyzing Vermont's Unique Political History as a Laboratory of Democracy**

**Student:** Audrey Grant '24, Political Science, 3+1  
**Mentor:** Briana Martino, Communications

**Investigation of the Genetic Mechanisms of TS in Drosophila**

**Student:** Theo Hatfield '25, Nursing  
**Mentor:** Seth Johnson, Biology

**From Doctors to Your Doorstep: A Feminist Analysis of 1960s and 1970s Reproductive Rights Activism in Boston**

**Student:** Sara Slager '23, Women's and Gender Studies, 4+1 Elementary Education Dual Licensure  
**Mentor:** Tatiana M.F. Cruz, Critical Race, Gender, and Cultural Studies

**Data as Art: Creating Digital Art from Code**

**Student:** Caitlin (Kiki) Regan '23, Computer Science, Art  
**Mentor:** Anthony Scotina, Mathematics and Computer Science

**Noninvasive Temperature Monitoring with Ultrasound in Neonatal Intensive Care**

**Student:** Elys Romero '24, Mathematics  
**Mentor:** Phillip Jason White, Chemistry and Physics

**Understanding the Outlawing of "Critical Race Theory" in Mississippi**

**Student:** Kaycee Jackson '23, Political Science, Africana Studies  
**Mentor:** Tatiana Cruz, Critical Race, Gender, and Cultural Studies; and Abel Amado, Political Science and International Relations

**Modeling the Dispersion of Lamb Waves to Develop a Non-Invasive Intracranial Pressure Monitoring Method**

**Student:** Dan Nguyen '24, Physics  
**Mentor:** Phillip Jason White, Chemistry and Physics

**Effects of PFAS on the Survival and Function of Glutamate Neurons**

**Student:** Kaitlyn Kessel '23, Biology  
**Mentor:** Eric Luth, Biology

**Evaluating Potential Beneficial Effects of Used River Contaminant Sorbents Recycled for Use as Soil Amendments**

**Student:** Samantha Margolin '23, Environmental Science  
**Mentor:** Anna Aguilera, Biology

# UNDERGRADUATE FACULTY-STUDENT COLLABORATIVE FELLOWSHIP (UGFSC)

The UGFSC Fellowship is a competitive small grant program that supports faculty research and provides funding to undergraduate students assisting faculty in their research. Student fellows are compensated at a rate of \$12 per hour. They may receive up to \$3,000 (up to 250 hours) over the course of the academic year.

**Applications submitted**

**9**

**Projects funded**

**7**

**Total funding provided**

**\$14,500**

**Development of Analytical Methods for Pollutants in the Muddy River**

**Student Fellows:** Bridget Curry '24 and Samantha Margolin '23  
**Faculty:** Michael Berger, Chemistry and Physics

**Automatic Speech Recognition Systems for Low Resource Languages**

**Student Fellows:** Melat Ali '22 and Nardos Alemu '24  
**Faculty:** Nanette Veilleux, Computer Science and Informatics

**The Lived Experience of Women Boarders at the League of Women for Community Service**

**Student Fellow:** Ta'mar Thompson '24  
**Faculty:** Johnnie Hamilton-Mason, Social Work

**Optimization of Promoter/Enhancer Sequences of AAV Vectors in HepG2 Cells for Use in Gene Therapy**

**Student Fellow:** Perry Mitchell '22  
**Faculty:** Jennifer Roecklein-Canfield, Chemistry and Physics

**Exchange Rate Changes and Trade Balances in India: Are There Sectoral Differences?**

**Student Fellow:** Mary Pollard '22  
**Faculty:** Niloufer Sohrabji, Economics

**The Mary Eliza Project: Boston Women Voters in 1920**

**Student Fellow:** Anna Boyles '22  
**Faculty:** Laura Prieto, History

**Analyzing the Workplace: Health Insights from Students**

**Student Fellow:** Brianna Desharnais '22  
**Faculty:** Cherie Ramirez, Chemistry and Physics

## UNDERGRADUATE FUND FOR RESEARCH AND CREATIVE ENDEAVORS

The Simmons University Undergraduate Student Research Fund supports student-initiated independent research projects and creative endeavors. Grants of up to \$300 were awarded this year.

Applications submitted	Projects funded	Total funding provided	List of projects
<b>2</b>	<b>2</b>	<b>\$499</b>	<b>2</b>

### Re-Assembling: A Studio Exhibit

**Student:** Abhilasha Natarajan '22, Social Work, Fine Arts  
**Faculty Mentor:** Helen Popinchalk, Art and Music

### Transorbital Ultrasound Monitoring to Track Brain Shift During Surgery

**Student:** Madiha Kabeer '22, Chemistry  
**Faculty Mentor:** Phillip Jason White, Chemistry and Physics

## UNDERGRADUATE STUDENT CONFERENCE FUND

The Simmons University Undergraduate Student Conference Fund supports student presentations at academic and professional conferences. Grants of up to \$300 were awarded this year.

Applications submitted	Projects funded	Total funding provided
<b>6</b>	<b>6</b>	<b>\$2,088</b>

### Developing Interactive Maps to Address Boston's Health and Social Inequalities—Presented at the Sigma Xi Student Research Conference, November 2021, and the Public Health Conference of Iowa, May 2022

**Student:** Brianna Desharnais '22, Neurobiology, Applied Music  
**Faculty Mentor:** Cherie Ramirez, Chemistry and Physics

### Facile Methods for Reusing Laboratory Plastic in Developmental Biology Experiments – Presented at the Society for Developmental Biology, Northeast Regional Meeting, April 2022

**Student:** Maggie Clancy '22, Environmental Science, History  
**Faculty Mentor:** John Young, Biology

### Using Synthetic Biology Methods to Construct a Functional Estrogen Biosensor Based on the Dimerization-Dependent Red Fluorescent Protein—Presented at the American Society for Biochemistry and Molecular Biology, April 2022

**Student:** Brianna Desharnais '22, Neurobiology, Applied Music  
**Faculty Mentor:** Jennifer Roecklein-Canfield, Chemistry and Physics

### Exposure to the Environmental Contaminant PFOS Causes Cellular Mass Formations in the Fin of Xenopus Tadpoles—Presented at the Society for Developmental Biology, Northeast Regional Meeting, April 2022

**Student:** Emma Harrison '22, Biochemistry  
**Faculty Mentor:** John Young, Biology

### Una Herida Abierta: Reflections of Gender and Race Along the US-Mexico Border—Presented at the 2022 Annual Meeting of the New England Political Science Association, April 2022

**Student:** Catherine Cox '23, International Relations  
**Faculty Mentor:** Benjamin Cole, Political Science and International Relations

# UNDERGRADUATE SYMPOSIUM

Every Spring semester, Simmons students share their research and creative endeavors at the Undergraduate Symposium. This annual gathering is a valued tradition and an opportunity for students to share their work with their peers, their families and friends, faculty, staff, and the community. Just like last year's, this year's Symposium took place within a virtual setting. It unfolded in two parts: a day of real-time panel presentations held on Zoom and a subsequent release of recorded presentations for the community to watch.

# of live (Zoom) presenters	# of asynchronous video presentations
34	36*

## Live Panel Presentations

### Computer Science: Breaking Down Barriers in Human-Computer Interactions

#### Presented by:

- Chelsea Hua '24
- Livic Inoa '22
- Melat Ali '22
- Nardos Alemu '24
- Wanjing Li '22
- Samin Charepoo '22
- Ismah Ahmed '22
- Tabitha Miles '22

### Violence and Identity in Francophone Literature (Presented in French)

#### Presented by:

- Beatrice Crocker '24, *Sexualité et Identités Queer dans (L'Armée du salut) d'Abdellah Taïa*
- Georgia Harper '22, *Fanon et (Nedjma)*

### Oppression and Hope in Spanish Literature and Film (Presented in Spanish)

#### Presented by:

- Julia Wilen '24, *Cambios Sociales en España: Los Derechos de la Comunidad LGBTQ+ y de las Mujeres (Social Changes in Spain: LGBTQ+ and Women's Rights)*
- Chloe Crelia '22, *La Redefinición de la Familia y la Superación de la Brecha Generacional en España (The Redefinition of the Family and Overcoming the Generation Gap in Spain)*
- Estela Raya-Fouts '24, *Sistemas Paralelos de Explotación: Un Análisis de También la Lluvia (Parallel Systems of Exploitation: An Analysis of También la Lluvia)*

### Senior Keynote Speaker Awards

#### Presented by:

- Eliot Stanton '22, *Data Science, Binaries in Binary: Harmful Consequences and Radical Possibilities of Technology for Trans Liberation*
- Sara Mitchell '22, *Economics, Sociology, Access, Success, and Social Mobility: Rethinking Low-Income Student Access to Different Tiers of the Higher Education Market Following the Great Recession*
- Sumeya Ali '22, *Sociology, Nexus of Blackqueerness and Anti-Muslim Racism*

## Re-Envisioning Modern America

#### Presented by:

- Anna Boyles '22, *The Mansion on Mill Street: Constructing Jackson, Mississippi's Red-Light District*
- Maggie Clancy '22, *National Parks and Recreation*
- Lauren Howard '22, *Executive Excedrin to Mother's Little Helper: Race and Gender in the 1950s Miltown Mania*
- Miranda Leclerc '23, *Queer Nostalgia and the Closet: Class Identity and Aestheticism in Charlie Gibson's Recreation of Victorian Masculinity*
- Madeline Short '22, *Gender Wage Gap: Teachers of Hillsborough County, NH, 1878-1890*

## Exploring Public Health, Environmental Conservation, and Cultural Preservation Through Experiential Learning

#### Presented by:

- Emma Keeling '22, *Exploring the Intersection Between Upstream and Downstream Approaches to Domestic Violence Work*
- Beyza Erdem '22, *Testing the Efficacy and Safety of Targeted FUS-BBB Drug Delivery of an AAV-9-Packaged Gene Therapy for Huntington's Disease*
- Shania Ambros '22, *Cordigo Artspace: Sharing Cordilleran Cultural Knowledge through Art*
- Hena Haque '22, *The Characterization of Food Preservation Coatings Using Scanning Electron Microscopy (SEM)*
- Maggie Clancy '22, *Facile Methods for Reusing Laboratory Plastic in Developmental Biology Experiments*
- Lauren Howard '22, *For I Will Not Be a Party Man: Partisanship and Party Conflict in the Adams Administration*

## Pan-Africanist Women in History and Politics

#### Presented by:

- April Beatty '25
- Danielle Donovan '25
- Kaz Gebhardt '25
- Nyree Skye White '25

## Kids, College, and Costs: An Interdisciplinary Approach to Education in the 21st Century

#### Presented by:

- Lauren Lanseigne '22
- Sara Mitchell '22
- Madison Poshkus '22

## Recorded Video Presentations

To view the video playlist and the Symposium brochure, please visit [simmons.edu/undergraduatesymposium](https://simmons.edu/undergraduatesymposium)

# RESEARCH AT SIMMONS

REPORT ON FUNDED PROJECTS AND SELECTED  
FACULTY AND STUDENT ACCOMPLISHMENTS 2022

(July 1, 2021 - June 30, 2022)