

FY 2021 Sponsored Research
and Creative Activities
Annual Report



Office of Research Services

OVERVIEW

One hallmark of a thriving academic institution is the vitality of its research culture. Over the last ten years, DePaul University has received over \$103M in sponsored project funding. Despite the fact that 2020 was an unprecedented year with the COVID-19 pandemic having far-reaching and lasting human, societal, and industry impacts, DePaul faculty, students, and staff continued their research and creative activities, and looked into new ways to adapt, work, and collaborate. In FY 2021 DePaul University had 331 submissions requesting a total funding of \$92.7 million in funding; 143 submissions were funded totaling \$11.1 million in new and continuation grants (Figure 1).

A research culture is not measured, however, solely by the quantitative metric of grants awarded, or revenues generated; rather, it is typified by the pervasiveness of innovative ideas, the stimulation of dialogue, and the commitment to advancing knowledge. As a scholarly community, faculty and staff at DePaul exemplify such a culture. Scholarship and creative endeavors not only advance disciplinary, interdisciplinary and professional knowledge but also provide a foundation for the enrichment of teaching and instruction at the University. As evidenced by the [University Research, Creative Activities and Innovation](#) website that was launched this year, the scholarly and professional activities of our faculty connect them to a vital community beyond the walls of DePaul, and renew their enthusiasm to engage our undergraduate and graduate students.

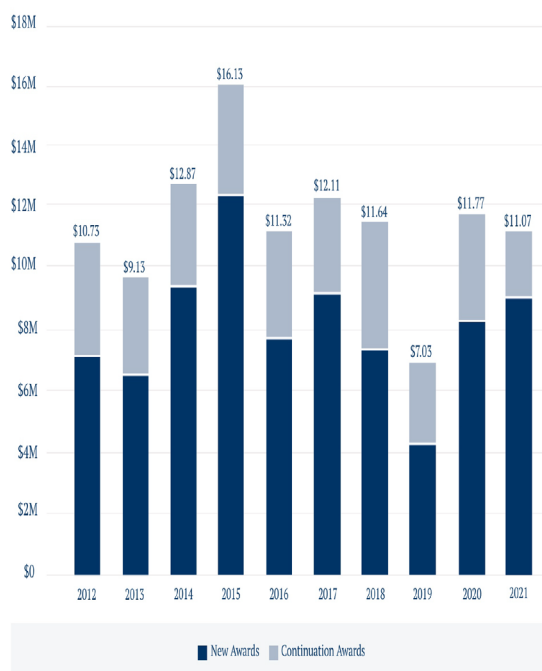


Figure 1: Sponsored Project Funding FY 2012-21

the Office of Research Services launched the Lunch & Learn series hosting three sessions last year: Innovation through AGIF, University Platforms to Support Research, and Outreach to Increase the Visibility of Your Research.

Substantive efforts have been made to enhance the research culture and infrastructure at the University this year through internal funding, training initiatives and programming. Particularly noteworthy, are the new strategic partnerships launched in FY 2021 to advance institutional opportunities for innovation and

education. These include: joining the [Illinois Science & Technology Coalition and Institute](#), a coalition of private sector and academic institutions that cultivates technology-based economic development throughout Illinois; formalizing a partnership with [Sinai Urban Health Institute \(SUHI\)](#), the research arm of Sinai Health System, to address critical health inequities in Chicago; and joining Chicago real estate development firm [Sterling Bay's Prysm Institute](#), a business accelerator for healthcare, life sciences and tech companies operating in Chicago and internationally.

To offer faculty members the opportunity to develop a deeper understanding of the administration enterprise, community partnerships, and/or technology commercialization, this year the Office of the Provost and the Office of Research Services launched the Research & Innovation Leadership Fellows Program. Working under the auspices of the Associate Provost for Research, Kathryn Ibata-Arens, a Vincent de Paul Professor in the Department of Political Science; and William "Marty" Martin, a professor in the Department of Management and Entrepreneurship, have undertaken two projects related to DePaul's research and innovation mission. Kathryn's project aims to design, develop and share a university-level pilot study resulting in a data-based framework that can map a visualization of DePaul's intellectual capacities. Marty's project aims to catalyze innovation, support entrepreneurship and, ideally, commercialize DePaul inventions aimed at positively affecting society.

Continuing the effort to enhance and expand college and university information technology platforms that support research, creative activities, and technology transfer, the launch of the entire eProtocol system was completed in FY 2021. Since its initial launch, the system has cut down on review time and streamlined all processes including reminders, lapse notifications, protocol log-in, statistics & metrics, and correspondence with Principal Investigators and reviewers. In partnership with Information Services, the Office of Research Services also implemented a new platform, Blackbaud, to support internal grant programs. All applications, reviews, and reporting for Council grant programs, Paid Leaves, and Academic Growth and Innovation Fund (AGIF) grants are now managed through Blackbaud. This system will enable the University to aggregate outcome data from internal grant programs and better communicate the impact of these programs to various constituencies.

The culture of research and scholarship emanates from the collective commitment and accomplishments of the entire University community. We are delighted to present the *FY 2021 Sponsored Research and Creative Activities Annual Report*, which reflects another year of commitment and accomplishment of our faculty and staff.

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SECTION I: EXTRAMURAL SUBMISSIONS

The Extramural Submissions section summarizes the activities of the Pre-Award Services unit of ORS. The Pre-Award staff assists faculty and staff with identifying funding sources, preparing and submitting proposals, requests for data agreements, material transfer and nondisclosure agreements, and/or other information as may be necessary to secure project funding and/or liaise with extramural funding agencies. For direct foundation and corporate submissions, these activities are done in concert with DePaul's Advancement Office. The number of submissions and the level of funding requested within those submissions are the metrics used to understand Pre-Award Services' level of activity. These two metrics, therefore, are incorporated into the various figures and tables that are used to report on pre-award activities within Section I.

SUBMISSION TRENDS

In fiscal year (FY) 2021, ORS' Pre-Award Services unit supported 331 submissions requesting \$92,748,856 to 134 distinct funding agencies. Trends in sponsored program submission activity for the 2012 to 2021 FY period are detailed in

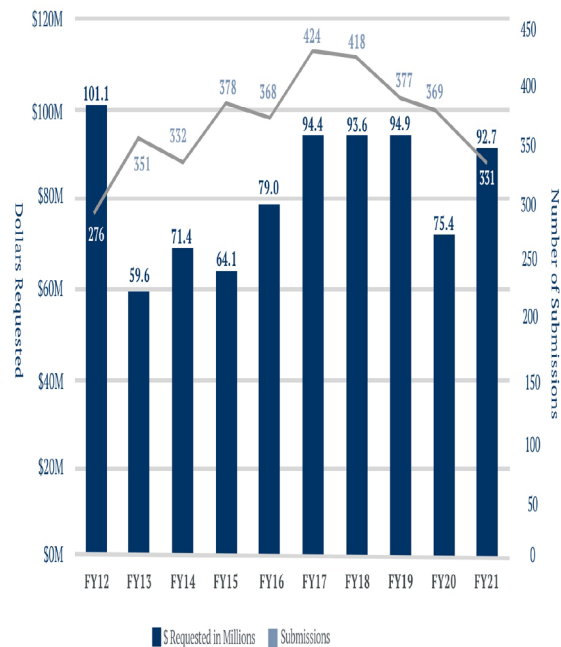


Figure 1.1: Submissions/Funds Requested, FY 2012-2021

Table 1.1: Submissions/Funds Requested, 2012-2021

Year	# Submissions	\$ Requested
FY 2012	276	\$101,183,099
FY 2013	351	\$59,650,825
FY 2014	332	\$71,484,086
FY 2015	378	\$64,162,873
FY 2016	368	\$79,003,637
FY 2017	424	\$94,414,498
FY 2018	418	\$93,658,899
FY2019	377	\$94,901,213
FY2020	369	\$75,441,140
FY 2021	331	\$92,748,856

Table 1.1 and illustrated in Figure 1.1. Though the number of FY 2021 submissions diminished slightly over FY 2020 level (10.3%) likely due to the onset of the COVID-19 pandemic, submission rates continue to be in the 330 to 380 range per

year, consistent with institutional performance in seven of the past ten fiscal years. Also significant, is the FY 2021 increase in funds requested. FY 2021 funds requested totaled \$92.7M, up 22.9% over the \$75.4M requested in FY 2020.

FY 2021 submissions represent a 19.9% increase over FY 2012 submission levels, while funds requested in FY 2021 are 8.3% less than those requested a decade earlier in FY 2012.

It is important to note, for any given FY, there is not necessarily a direct relationship between the number of submissions and the number of awards received. An action on a proposal submission in one FY may not occur until a subsequent FY. For example, submissions to federal agencies typically require a six- to nine-month review period; hence, submissions for the last half of the 2021 FY, may not generate awards until the 2022 FY.

Noteworthy too, because the scope of this report is limited to extramural and intramural grant activities, it does not report on the many important projects undertaken by our faculty without grant support.

SUBMISSIONS BY PURPOSE

FY 2021 submission activity, classified by proposed purpose, is detailed below in Table 1.2.

Table 1.2: FY2021 Submissions/ Funds Requested by Purpose

Purpose	Count	%	\$ Requested	%
Research	277	83.7%	\$80,962,672	87.3%
Public Service	14	4.2%	\$726,561	0.8%
Conferences	2	0.6%	\$403,072	0.4%
Other	38	11.5%	\$10,656,551	11.5%
TOTAL	331	100%	\$92,748,856	100%

Consistent with DePaul's performance in prior fiscal years submission activity is principally for external support of faculty/staff research activities.

PRIVATE vs. PUBLIC SUBMISSIONS

In FY 2021, 46% of submissions on behalf of the University were to public funding sources including federal, state and municipal agencies; 54% of submissions were to private organizations including associations, professional societies, research institutes, foundations and corporations. Table 1.3 details submissions by funding source, as well as total funds requested of both public and private agencies. Though figures to public and private sources by count are comparable, the existing data are of interest in that they emphasize

that faculty are diversifying the type of agency from which they seek support.

Table 1.3: FY2021 Submissions/Funds Requested by Type

Type	Count	%	Funds Requested	%
Private	179	54%	\$28,819,147	31%
Public	152	46%	\$63,929,709	69%
TOTAL	331	100%	\$92,748,856	100%

A full listing of the public and private agencies from which DePaul sought funding for sponsored projects in FY 2021 is detailed in the Submissions by Source of Support section that follows. Submissions to three agencies, the National Science Foundation, the National Institutes of Health, and the U.S. Department of Education account for 57.4% of all DePaul funds requested and 85.5% of federal dollars requested. Interestingly, in FY 2021, funds solicited from the National Institutes of Health, totaling \$23.3M exceeded those requested of the National Science Foundation, \$14.1M; reversing last year's performance in which NSF dollars exceeded those requested of all other agencies. In FY 2021 DePaul also saw a precipitous decrease, 36.7%, in submissions to the Chicago Public Schools (CPS) for support, likely related to CPS' Covid-19 closure.

SUBMISSIONS BY UNIT

Table 1.4 details FY 2021 submission data by academic unit. While all colleges and many administrative units had submissions in FY 2021, submission activity was concentrated in three colleges, the College of Science and Health (CSH), the College of Computing and Digital Media (CDM) and the College of Business, which collectively account for 56.2% of DePaul's 2021 submissions, and 72.4% of the funds solicited by the University

this fiscal year. Though most colleges and schools had slight decreases in the number of submissions in FY 2021, a notable exception is the College of Education, whose submissions increased 15.2% in FY 2021 over FY 2020 levels. By comparison, the dollar value of total submissions increased across several academic units in FY 2021 as compared to FY 2020; increases in the dollar value of submissions were most notable in CSH and the Colleges of Business, Education, and Law.

Table 1.4: FY2021 Submission Count and Funds Requested by Unit

Unit	Count	%	\$ Requested	%
College of Business	32	9.67%	\$13,165,169	14.19%
College of Communication	5	1.51%	\$89,811	0.10%
College of Computing & Digital Media	54	16.31%	\$13,100,536	14.12%
College of Education	53	16.01%	\$7,292,685	7.86%
College of Law	18	5.44%	\$3,912,241	4.22%
College of Liberal Arts & Social Sciences	42	12.69%	\$11,064,090	11.93%
College of Science & Health	100	30.21%	\$40,852,524	44.05%
School for Continuing and Professional Studies	1	0.30%	\$2,595	0.00%
School of Music	2	0.60%	\$950	0.00%
The Theatre School	2	0.60%	\$155,716	0.17%
Administrative Units	22	6.65%	\$3,112,539	3.36%
TOTAL	331	100%	\$92,748,856	100%

SUBMISSIONS BY SOURCE OF SUPPORT

	AGENCY	AMOUNT	NUMBER
Federal Agencies	Agency for Healthcare Research and Quality	\$1,999,529	1
	Argonne National Laboratory	\$126,982	2
	Library of Congress	\$259,260	3
	National Aeronautics and Space Adm.	\$176,734	9
	National Endowment for the Humanities	\$1,226,162	6
	National Institutes of Health	\$23,276,660	21
	National Science Foundation	\$14,065,134	35
	National Security Agency	\$699,667	1
	Substance Abuse and Mental Health Services Adm.	\$1,423,500	3
	U.S. Department of Education	\$15,939,022	8
	U. S. Department of Energy	\$2,857,437	4
	U.S. Department of Health and Human Services	\$19,997	1
	U.S. Department of Homeland Security	\$53,874	1
	U.S. Department of State	\$181,272	4
	Subtotal	\$62,305,230	99
International Agencies	European Commission	\$21,428	1
	Trans-Atlantic Partnership	\$55,013	1
	U.S.-Israel Binational Science Foundation	\$76,371	1
	Subtotal	\$152,812	3
Municipal Agencies	Chicago Board of Education	\$566,170	38
	Chicago Department of Public Health	\$25,000	1
	Chicago Housing Authority	\$155,446	4
	Cook County Justice Advisory Council	\$52,045	1
	Subtotal	\$798,661	44
State Agencies	Illinois Board of Higher Education	\$509,942	2
	Illinois Department of Human Services	\$50,000	1
	LTER Network, University of California, Santa Barbara	\$109,445	1
	University of Illinois at Chicago	\$3,619	1
	University of Vermont	\$0	1
	Subtotal	\$673,006	6
Corporations	Addgene	\$0	2
	AMAZON	\$92,810	1
	Amazon Web Services Inc.	\$150,000	1

Corporations*Continued*

Bank of America Charitable Trust	\$50,000	1
Baxter Healthcare Corporation	\$6,000	2
Blue Cross Blue Shield of Illinois	\$20,000	1
Boeing	\$100,000	1
Bosch	\$5,903	1
Community Investment Corporation	\$5,000	1
Epic Games, Inc.	\$1,106,000	1
Facebook, Inc.	\$50,040	1
GBC Autism Services	\$7,000	1
Google, Inc.	\$40,249	1
Gorbold Behavioral Consulting, Inc.	\$0	1
Hispanic Housing Development Corporation	\$5,500	1
Jackson National Asset Management	\$24,300	1
JPMorgan Chase & Co.	\$50,000	1
M. Holland Company	\$72,000	2
MindXplorer	\$27,175	5
Motorola Solutions	\$85,000	2
Pfizer Inc.	\$200,000	2
Pivotal Ventures	\$10,000,000	1
RJW Logistics Group, Inc.	\$15,000	2
TD Bank	\$308,981	1
United Healthcare Services, Inc.	\$0	2
Subtotal	\$12,420,958	36

Foundations

Amazon Foundation	\$58,393	2
American Honda Foundation	\$74,995	1
American Indonesian Exchange Foundation	\$25,750	1
Arthur Vining Davis Foundation	\$594,123	2
Barat Educational Foundation	\$6,000	1
The Lynde and Harry Bradley Foundation	\$35,600	2
The Brinson Foundation	\$25,000	1
Burlington Northern Santa Fe Foundation	\$12,000	1
Carnegie Corporation of New York	\$799,940	4
Chicago Community Foundation	\$15,000	1
The Chicago Community Trust	\$289,514	5
Cigna Foundation	\$122,515	1
CME Group Foundation	\$24,944	1
Coleman Foundation	\$10,000	1
Bill & Melinda Gates Foundation	\$220,276	1
Julian Grace Foundation	\$1,193,203	6
Graham Foundation for Advanced Studies	\$31,845	1
Gerda Henkel Stiftung Foundation	\$76,008	1
The John E. & Jeanne T. Hughes Foundation	\$4,000	1
Illinois Bar Foundation	\$6,500	1

Foundations
Continued

Illinois Immigration Funders Collaborative	\$31,051	1
The Joyce Foundation	\$129,966	1
The J.M. Kaplan Fund	\$190,000	2
Lawyer's Trust Fund of Illinois	\$83,387	1
John D. and Catherine T. MacArthur Foundation	\$600,000	2
Robert R. McCormick Foundation	\$375,000	2
The Andrew W. Mellon Foundation	\$6,000,324	2
The Morris Family Foundation	\$50,000	2
Oak Park-River Forest Community Foundation	\$50,000	1
PNC Bank Foundation	\$37,500	2
Polk Bros. Foundation	\$211,188	2
Porticus North America Foundation	\$218,367	1
Retirement Research Foundation for Aging	\$100,000	1
The Robert Wood Johnson Foundation	\$1,739,074	6
Russell Sage Foundation	\$109,599	4
Saxena Family Foundation	\$50,000	1
Alfred P. Sloan Foundation	\$20,841	1
Spencer Foundation	\$50,000	1
Stiftung Auxilium	\$184,705	1
John Templeton Foundation	\$682,886	1
Terra Foundation for American Art	\$25,636	2
The U.S. Russia Foundation	\$245,840	2
Max van Berchem Foundation	\$76,858	1
Walder Foundation	\$25,000	1
Subtotal	\$14,912,828	76

**Other
Organizations**

100,000 Strong in the Americas	\$26,175	1
Astrophysical Research Consortium/SDSS	\$42,955	2
American Association of Matrimonial Lawyers	\$15,000	1
American Heart Association National Center	\$33,000	1
American Historical Association	\$33,000	1
American Psychological Association	\$19,985	1
Archdiocese of Chicago	\$109,395	13
Communities United	\$25,000	1
Community Mental Health Board of Oak Park Township	\$343,104	4
Elevated Chicago	\$40,000	2
Felician Services, Inc.	\$2,000	1
Friends of Nachusa Grasslands	\$18,247	1
Greater Chatham Initiative	\$4,000	1
Human Resources Research Organization	\$12,000	1
Illinois Housing Council	\$5,500	1
Illinois Ornithological Society (IOS)	\$1,000	1
Indiana University	\$5,000	1
Infant Jesus of Prague School	\$6,000	2

Other Organizations <i>Continued</i>	Institute of International Education	\$82,420	6
	Jumpstart for Young Children, Inc.	\$154,939	2
	Law School Admissions Council	\$100,000	1
	Little Black Pearl	\$20,000	2
	Los Angeles County Museum of Art	\$47,992	1
	National Communication Association	\$14,850	1
	The National GEM Consortium	\$20,000	1
	New York University	\$23,798	1
	Northwestern University	\$3,875	1
	Oak Park-River Forest High School District No. 200	\$0	1
	Online News Association	\$19,962	1
	Pope John XXIII School	\$7,000	1
	The Resurrection Project	\$141,848	2
	RTI International	\$25,000	2
	Rush University Medical Center	\$0	1
	Sigma Theta Tau International Honor Society	\$4,906	1
	Sinai Urban Health Institute	\$21,010	2
	Society for Toxicology	\$1,500	1
	St. Francis School	\$3,500	1
	Telligen Community Initiative	\$50,000	1
	The Wabash Center	\$1,400	1
	Subtotal	\$1,485,361	67

TOTAL	\$92,748,856	331
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Technical Note: Entries with a zero-dollar value are submissions that did not request funds from a sponsor. These may be submissions in which DePaul is providing cost share only, or submissions related to Data Requests, Materials Transfer, Facilities Use, etc. Noteworthy also, the Number column is a submission count; multiple submissions may be transmitted to an agency to secure funding for a proposal. Similarly, the Amount column reflects the dollar value of the total submissions to each listed agency.

SECTION II: EXTRAMURAL AWARDS

The Extramural Awards section of the report summarizes the activities of the Award Management unit of ORS. Award Management staff assist faculty and staff with the management of grants, contracts, cooperative agreements and other award mechanisms through a variety of activities that begin when a notice of grant award is issued and extend until the award is closed-out. ORS is assisted in this function by the Restricted Accounting Office; management of corporate and foundation sponsored project awards is done in concert with DePaul's Advancement Office. The number of awards and the level of funding associated with those awards are the metrics used to understand this unit's level of activity. Therefore, these two metrics are incorporated into the various tables that are used to report on Award Management activities in Section II. This year's *Annual Report* also highlights new awards the University received in FY 2021 that equal or exceed \$100K in funding, and includes individual listings of awards received in FY 2021 by project lead.

FEATURED AWARDS

Many faculty at DePaul balance their responsibilities in the classroom educating and mentoring students with competing for and securing external funding in support of their research, scholarship, and service activities. Their extramurally-funded projects not only hold the potential to impact the scholarly community but also society as a whole. A sampling of DePaul University's FY 2021 awarded projects are detailed below.

Principal Investigator: Kathryn Grant

Academic Unit: CSH

Title: *Evaluation of an Intervention to Improve Academic Outcomes for Low-Income Urban Youth through Instruction in Effective Coping Supported Mentoring Relationships*

Award: U.S. Department of Education; 7/1/2021-6/30/2022; \$699,283; Year 1 funding of a five-year award totaling \$3,799,961

This grant will allow the research team to evaluate the Cities Mentor Project, an intervention designed to decrease social, emotional, and behavioral problems experienced by adolescents, and to increase academic engagement and achievement for student residing in low-resourced urban neighborhoods. The Cities Mentor Project uses mentor and community support to foster youth coping with stressors that impede learning, and youth advocacy to change the larger systems affecting their communities and schools.

Principal Investigator: James Montgomery

Academic Unit: CSH

Title: *Scholarships and Communities to Support STEM Undergraduate Student Persistence and Graduation*

Award: National Science Foundation; 5/1/2021-4/30/2026; \$999,997

In the project, *Scholarships and Communities to Support STEM Undergraduate Student Persistence and Graduation*, DePaul and its collaborators will focus on strengthening academic and social support services while developing new intervention initiatives to address the documented achievement gap between low-income and non-low income students.

Principal Investigator: Isuru Godage

Academic Unit: CDM

Title: *CAREER: Transformable and Reconfigurable Soft Robots*

Award: National Science Foundation; 9/1/2021-8/31/2026; \$529,999

The research objective of the project, *CAREER: Transformable and Reconfigurable Soft Robots*, is to introduce a novel and systematic methodology to optimally configure simple, heterogeneous, variable stiffness soft robotic units into sophisticated cyber-physical systems capable of solving complex manipulation and locomotion challenges. The

proposed research is expected to advance significantly the theory and practice of reconfigurable heterogeneous soft robots in the interconnected areas of design, fabrication, morphological optimization, and intelligent control.

Principal Investigator: Elizabeth LeClair

Academic Unit: CSH

Title: *Follow That Cell: Motility Analysis of L-plastin Mutant Zebrafish*

Award: National Institutes of Health; 8/1/2020-7/31/2023; \$454,896

The research objective of the project, *Follow That Cell: Motility Analysis of L-plastin Mutant Zebrafish*, focuses on the genetics of cell motility and will establish the role of the cell motility protein L-plastin. This protein is well conserved among multicellular animals and is expressed in both immune cells and tumors, two cell types known for their ability to move. By genetically manipulating the L-plastin protein, we will obtain novel observations of its effects in both normal and diseased cells, providing additional insight into the biochemical mechanisms that affect human health.

Principal Investigator: Caitlin Karver

Academic Unit: CSH

Title: *Uncovering the biological roles of inflammatory caspases through chemical approaches*

Award: National Institutes of Health; 9/1/2020-8/31/2023; \$437,912

The project, *Uncovering the biological roles of inflammatory caspases through chemical approaches*, is a biomedical research award studying protease contributory impacts on the immune system. The long-term objective of the project is development of tools for assessing inhibition of inflammatory caspases and allowing the role each enzyme plays in the inflammatory response to be determined.

Principal Investigator: Wendy Epstein

Academic Unit: Law

Title: *Examining the proactive use of 'generosity framing' in encouraging young and healthy individuals to purchase health insurance*

Award: Robert Wood Johnson Foundation; 7/1/2021-6/30/2023; \$388,244

This project examines healthcare purchasing decisions and incorporates quality exploratory work to

understand consumer perspectives, observing consumer behavior through online marketing materials, and a field experiment involving the manipulation of marketing materials and observing differences in actual health insurance purchasing behavior.

Principal Investigator: Margaret Storey

Academic Unit: LAS

Title: *Community Engaged Urban Research and Project-Based Learning*

Award: Julian Grace Foundation; 12/1/2020-12/1/2022; \$340,000

This project seeks to establish innovative programs in community-engaged research to make cities more vibrant, healthy, livable, and equitable. Developing timely interdisciplinary research that both meets partner needs and creates meaningful community/project-based learning for students is the focus of this project.

Principal Investigator: Luciano Berardi

Academic Unit: University Administration

Title: *DePaul University Student Support Services Program*

Award: U.S. Department of Education; 9/1/2020-8/31/2021; \$321,822

This project encourages educational attainment by providing student participants with a comprehensive array of academic supports to actively ensure that student's persist from year to year, remain in good academic standing, and graduate on a timely basis. Supports not only include advising and mentoring, but also financial planning and career/graduate school preparation services.

Principal Investigator: Leonard Jason

Academic Unit: CSH

Title: *Maintenance and Incidence of ME/CFS Following Mono*

Award: National Institutes of Health; 12/1/2020-11/30/2021; \$282,699

This NIH-funded study will compare those with long-haul COVID-19 to patients who have myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS). Comparing long-haul COVID-19 with another chronic illness is expected to help researchers uncover root causes of long-term illness and inform their approach to care.

Principal Investigator: Alexander Rasin
Academic Unit: CDM
Title: *PFI-TT: Systematic Auditing of Database Activity*
Award: National Science Foundation; 8/15/2020-1/31/2022; \$249,870

The project, *PFI-TT: Systematic Auditing of Database Activity*, addresses data breaches that have plagued governments, businesses and society. This cybersecurity project seeks to develop techniques to detect clandestine access to the contents stored in organizational databases.

Principal Investigator: Isuru Godage
Academic Unit: CDM
Title: *RI: Small: Collaborative Research: Evolutionary Approach to Optimal Morphology and Control of Transformable Soft Robots*
Award: National Science Foundation; 9/1/2020-8/31/2023; \$230,000

The planned research is poised to unlock the evolutionary secrets of biological systems and open the door for the next generation of energy-efficient, adaptable, versatile, and human-friendly robots. To meet these goals, investigators propose to develop novel transformable and stiffness-controllable soft robots and apply evolutionary computing to generate optimal morphological and stiffness trajectories for locomotion. The investigators employ evolutionary computing-based learning models to circumvent the curse of dimensionality associated with complex soft robotic systems and develop a comprehensive framework for developing optimal and robust control schemes and testing thereof using a series of rigorous experimental evaluations.

Principal Investigator: Orson Morrison
Academic Unit: CSH
Title: *The Mindful Middle-Schoolers: Resiliency Skills for Anxiety, Depression and Executive Functioning*
Award: Community Mental Health Board of Oak Park Township; 4/1/2021-3/31/2022; \$228,334

The Mindful Middle-Schoolers: Resiliency Skills for Anxiety, Depression and Executive Functioning program addresses the mental health needs of elementary- and middle-school-aged students and families and seeks to strengthen the caregiving system around them. The Program will leverage an evidenced-based Multi-Tiered System of Support (MTSS) model

that offers universal (Tier I), group (Tier II), and individualized (TIER III) interventions of increasing intensity with the idea that many children can be served through universal approaches that teach them and their caregivers about emotional health.

Principal Investigator: Danielle Vance-McMullen
Academic Unit: LAS
Title: *2020 GBA: DAF Data Pilot Collaborative*
Award: Bill & Melinda Gates Foundation; 8/7/2020-12/31/2021; \$200,251

The goal of this project, *2020 GBA: DAF Data Pilot Collaborative*, is to explore creation of a database developed from donor-advised fund (DAF) sponsor information while examining the evidence base tied to high-net worth giving. Anonymous, account-level data pooled from participating DAF sponsors will be utilized for this study.

Principal Investigator: Stan Ilo
Academic Unit: LAS
Title: *2nd Pan-African Catholic Congress on Theology, Society and Pastoral Life: Walking Together for a Vital Church in Africa*
Award: Stiftung Auxilium; 1/4/2021-12/31/2021; \$190,323

The objective of the project, *2nd Pan-African Catholic Congress on Theology, Society and Pastoral Life: Walking Together for a Vital Church in Africa*, is to develop partnerships with five universities and Catholic colleges in each region of the African continent to develop methodologies and approaches to building a vital Church in Africa.

Principal Investigator: Nathan Matteson
Academic Unit: CDM
Title: *Decision Making Under Uncertainty (DMUU): Center for Robust Decision-Making Tools for Climate and Energy Policy*
Award: National Science Foundation; 9/1/2020-8/31/2021; \$169,870

As part of the *DMUU: Center for Robust Decision-Making Tools for Climate and Energy Policy*, DePaul University is assisting with the completion of three major code products. These include interactive maps of the U.S. Energy infrastructure, an interactive viewer for global gridded datasets produced by other RDCEP initiatives, and a repository containing updated code from the various emulation projects that have occurred during the grant period.

Principal Investigator: Mary Bridget Kustusch
Academic Unit: CSH
Title: *Collaborative Research: Institute in Research Methods for Professional Development for Emerging Education Researchers (PEER) Field Schools*
Award: National Science Foundation; 9/1/2020-8/31/2023; \$151,219

The project, *Collaborative Research: Institute in Research Methods for Professional Development for Emerging Education Researchers (PEER) Field Schools*, focuses on STEM education research, specifically examining the Professional Development for Emerging Education Researchers (PEER) model. The Institute will contribute to generalized knowledge of how to help emerging researchers generate high quality STEM education research.

Principal Investigator: Alberto Coll
Academic Unit: Law
Title: *Academic Exchange DePaul College of Law and the Federal University of Kazan, Russia*
Award: The U.S. Russia Foundation; 5/1/2021-4/30/2023; \$122,920

The objective of this program is to build a long-term relationship, including an academic exchange, between DePaul University College of Law and Kazan Federal University focusing on business law, international arbitration and dispute resolution.

Principal Investigator: Bridget Tenner
Academic Unit: CSH
Title: *Higher-order Pattern Containment*
Award: National Science Foundation; 7/1/2021-6/30/2024; \$114,852; Years 1 and 2 funding of a three-year award totaling \$ \$174,780

This project will establish a broader context to the traditional study of permutation patterns. The first of two phases will extend the known impact of higher order containment patterns. The second phase is to bring the perspective of higher order pattern containment to other pattern sets. This project has potential implications for combinatorics and its connections to algebra, topology, and computer science.

Principal Investigator: Charles Wurtzebach
Academic Unit: Business
Award: The John D. and Catherine T. MacArthur Foundation; 10/1/2021-9/30/2022; \$100,000; Year 1 funding of a three-year award totaling \$300,000

This project, *Support for the Institute of Housing Studies at DePaul University's Technical Support and Assistance Work*, allows the Institute for Housing Services to develop new and innovative applied research products that highlight the housing and community development challenges and opportunities facing the region's neighborhoods. This work is even more critical as the city recovers from the economic, housing, and health impacts of the COVID-19 pandemic.

Principal Investigator: Charles Wurtzebach
Academic Unit: Business
Title: *Applied Research and Technical Assistance to Understand the State of Housing for Chicago's Older Adults*
Award: Retirement Research Foundation for Aging; 10/1/2020-3/31/2022; \$100,000

With a focus of providing housing research as it relates to older adults, the project, *Applied Research and Technical Assistance to Understand the State of Housing for Chicago's Older Adults*, will examine housing policy challenges associated with the changing demographic and economic characteristics of the Chicago region's older adults and their communities. Results are expected to raise awareness of regional challenges and inform strategic policy development and interventions at the local level for practitioners.

Principal Investigator: John Zeigler
Academic Unit: Steans Center
Title: *Multi-Faith Veteran Initiative: Female Veterans Wellness Project Phase II*
Award: Boeing; 3/16/21-3/15/2022; \$100,000

The goal of the project, *Multi-Faith Veteran Initiative: Female Veterans Wellness Project Phase II*, is to improve the job search, placement, and retention support woman veterans receive when transitioning from the military to the civilian workforce.

AWARD TRENDS

In FY 2021, DePaul University received 143 new and continuation awards from external funding agencies; revenue from sponsored projects totaled \$11,078,475 in fiscal year 2021. This revenue total includes \$8,785,428 in new award dollars and \$2,293,047 in FY 2021 continuation funding. Continuation funding occurs when a funding agency makes an award commitment to the institution, but transfers the award dollars to the institution, incrementally, typically in annual installments based on satisfactory technical progress on a project. Continuation dollars are counted by DePaul as award volume in the year in which the funds are actually received, rather than at time of initial award notice projecting future receipt of such funds. In comparison to FY 2020, the number of new and continuation awards received in FY 2021 increased 14.4% from 125 to 143 while overall award revenue decreased an estimated 5.8% from \$11,765,882 to \$11,078,475. Noteworthy the dollar value of new awards received in FY 2021 increased 4.2% over FY2020 levels and 103.1% over FY2019 performance.

AWARDS BY PURPOSE

While extramural awards received by DePaul in FY 2021 cover a broad spectrum of activities, as detailed in Table 2.1, research-related activities account for the preponderance of this year's support. An estimated 64% of the 143 awards received by DePaul University in FY 2021 were in support of research. Similarly, 71% of the \$11.1M in funds awarded to the University in FY 2021 supported research activities. Community service activities accounted for \$950K, or 9%, of funds received in FY 2021, while support

Table 2.1: FY2021 Awards by Purpose

Purpose	Award #	%	Award \$	%
Research	92	64%	\$7,891,237	71%
Community Service	37	26%	\$949,854	9%
Academic Programs	7	5%	\$1,764,562	15.9%
Institutional Support	2	1%	\$401,822	4%
Student Aid	5	3%	\$71,000	0.6%
TOTAL	143	100%	\$11,078,475	100%

for academic programs accounted for 15.9% of dollars, or \$1.76M.

AWARDS BY SOURCE

DePaul University, like other academic institutions, relies on funding from a variety of sources, including,

Table 2.2: FY2021 Awards By Type

Type	Award #	Award \$
Public	59	\$7,715,677
Private	84	\$3,362,798
TOTAL	143	\$11,078,475

the federal government, state, municipal agencies, as well as private sources of support such as associations, corporations, foundations, and other organizations to support its sponsored activities.

The federal government has consistently been the single largest contributor to funding at DePaul, providing an estimated 64% of the \$11.1 M in support

Table 2.3: FY2021 Awards Public Detail

Type	Award #	Award \$
Federal	42	\$7,047,350
Municipal	14	\$589,787
State	3	\$78,540
TOTAL	59	\$7,715,677

received in FY 2021. As summarized in Table 2.2, an estimated 70%, or \$7.7M, of the funds awarded to DePaul in FY 2021 originated with public sources of support, with federal agencies providing 91% or \$7M of the awarded public share (Table 2.3).

AWARDS BY UNIT

As indicated in Table 2.4, eight of DePaul's ten Colleges received sponsored project funding in FY 2021, as did several University administrative units.

The College of Science and Health (CSH) is the most prominent DePaul recipient of sponsored project in FY 2021. The dollar share of CSH's FY 2021 award volume totaled \$5,409,233, or 48.3% of the University's total award volume of \$11,078,475. The Colleges of Computing and Digital Media (16.9%), Law (7.8%),

Liberal Arts and Social Sciences (7.7%) and Business (7.1%) also contributed substantively to the University's new award revenue in FY 2021. The College of Education (1.9%), The Theatre School (.2%) and the College of Communication (.2%) each contributed lesser shares.

Table 2.4: FY2021 Awards by Unit

Unit	Award #	%	Award \$	%
College of Business	22	15.38%	\$789,050	7.12%
College of Communication	1	0.70%	\$20,000	0.18%
College of Computing & Digital Media	24	16.78%	\$1,876,578	16.94%
College of Education	19	13.29%	\$206,222	1.86%
College of Law	8	5.59%	\$868,232	7.84%
College of Liberal Arts & Social Sciences	9	6.29%	\$852,481	7.69%
College of Science & Health	51	35.66%	\$5,409,223	48.83%
School for Continuing & Professional Studies	0	0.00%	\$0	0.00%
School of Music	0	0.00%	\$0	0.00%
The Theatre School	1	0.70%	\$25,750	0.23%
Administrative Units	8	5.59%	\$1,030,939	9.31%
TOTAL	143	100%	\$11,078,475	100%

AWARDS BY SOURCE OF SUPPORT

Extramural New and Continuation Awards

	AGENCY	AMOUNT	NUMBER
Federal Agencies	Jumpstart for Young Children, Inc.	\$71,221	1
	Library of Congress	\$89,902	1
	National Aeronautics and Space Adm.	\$75,587	6
	National Institutes of Health	\$2,211,674	11
	National Science Foundation	\$3,174,074	17
	U.S. Department of Education	\$1,282,351	3
	U.S. Department of Energy	\$63,491	1
	U.S. Department of Health and Human Services	\$35,000	1
	U.S. Department of State	\$44,050	1
	Subtotal	\$7,047,350	42
Municipal Agencies	Board of Education OPRF High School Dist. No. 200	\$0	1
	Chicago Board of Education	\$119,638	7
	City of Chicago	\$74,000	2
	Community Mental Health Board of Oak Park Township	\$344,104	3
	Cook County Justice Advisory Council	\$52,045	1
	Subtotal	\$589,787	14
State Agencies	Illinois Board of Higher Education	\$52,000	1
	Michigan Center for Urban African American Aging Res.	\$26,540	1
	University of Vermont	\$0	1
	Subtotal	\$78,540	3
Corporations	Addgene	\$0	2
	Baxter Healthcare Corporation	\$6,000	2
	Blackrock Investments, LLC	\$25,000	1
	Boeing	\$100,000	1
	Bosch	\$6,000	1
	Gorbold Behavioral Consulting, Inc.	\$0	1
	Hispanic Housing Development Corporation	\$5,500	1
	M. Holland	\$0	1
	MindXplorer (Beijing) Education and Culture Exchange	\$17,175	4
	RJW Logistics, Inc.	\$0	1
	Rush University	\$0	1
	United Healthcare Services, Inc.	\$0	2
	Subtotal	\$159,675	18

Foundations

American Indonesian Exchange Foundation	\$25,750	1
Barat Education Foundation	\$6,000	1
The Lynde and Harry Bradley Foundation	\$16,830	1
The Annie E. Casey Foundation	\$115,000	2
The Chicago Community Foundation	\$30,000	2
The Chicago Community Trust	\$120,000	3
CME Group Foundation	\$125,000	2
Coleman Foundation	\$10,000	1
Bill & Melinda Gates Foundation	\$200,251	1
Julian Grace Foundation	\$445,000	3
Illinois Nurses Foundation	\$1,500	1
The Japan Foundation, Los Angeles	\$4,350	1
The Robert Wood Johnson Foundation	\$388,244	1
Lawyer's Trust Fund of Illinois	\$83,387	1
The John D. and Catherine T. MacArthur Foundation	\$250,000	2
Robert R. McCormick Foundation	\$125,000	1
Oak Park-River Forest Community Foundation	\$50,000	1
PNC Foundation	\$50,000	3
Polk Bros. Foundation	\$170,000	3
Retirement Research Foundation for Aging	\$100,000	1
Spencer Foundation	\$49,850	1
Stiftung Auxilium	\$190,323	1
Terra Foundation for American Art	\$19,650	1
The U.S. Russia Foundation	\$122,920	1
The Andy Warhol Foundation for the Visual Arts	\$80,000	1
Subtotal	\$2,773,437	37

**Other
Organizations**

Archdiocese of Chicago	\$37,645	7
Communities United	\$25,000	1
Illinois Housing Council	\$5,500	1
Illinois Ornithological Society	\$1,000	1
Infant Jesus of Prague School	\$6,000	1
Little Black Pearl	\$20,000	2
National GEM Consortium	\$20,000	1
National Urban League	\$26,873	1
New York University	\$23,798	1
Northwestern University	\$3,875	1
Office of Catholic Schools	\$10,000	1
Online News Association	\$20,000	1
Pope John XXIII School	\$7,000	1

Other Organizations <i>Continued</i>	The Resurrection Project	\$46,851	1
	Sigma Theta Tau International Honor Society	\$2,500	1
	Sinai Urban Health Institute	\$18,626	2
	Southwest Organizing Project	\$12,500	1
	Springboard 2 Success	\$142,518	4
	Subtotal	\$429,686	29
TOTAL		\$11,078,475	143

INDIVIDUAL AWARD LISTINGS

Extramural New and Continuation Awards

Adelakun, Olayele; Baxter Healthcare Corporation; *Half-Day Innovation Workshop for Baxter International*; 10/26/2020-11/2/2020; \$4,000

Adelakun, Olayele; Baxter Healthcare Corporation; *Innovation Training Workshop*; 10/26/2020-11/2/2020; \$2,000

Adelakun, Olayele; Bosch; *ProCom II Plus*; 3/4/2021-4/30/2021; \$6,000

Adelakun, Olayele; Gorbald Behavioral Consulting, Inc.; *Non-Disclosure Agreement*; 4/21/2021-4/20/2022; \$0

Adelakun, Olayele; M. Holland; *Mutual Confidentiality Agreement*; 5/27/2021-5/26/2023; \$0

Adelakun, Olayele; RJW Logistics, Inc.; *RJW Logistics, Inc. Confidentiality Agreement*; 5/20/2021-5/19/2023; \$0

Albiol, Sioban; Julian Grace Foundation; *Legal Resources Project*; 12/1/2020-12/1/2021; \$80,000

Albiol, Sioban; Lawyer's Trust Fund of Illinois; *College of Law Asylum and Immigration Law Clinic Legal Resources Project*; 1/1/2021-12/31/2021; \$83,387

Albiol, Sioban; Polk Bros. Foundation; *Legal Resources Project for Immigrant Service Providers*; 7/1/2020-6/30/2021; \$65,000

Albiol, Sioban; Polk Bros. Foundation; *Legal Resources Project for Immigrant Service Providers*; 7/1/2021-6/30/2022; \$65,000

Albiol, Sioban; The Resurrection Project; *Access to Justice (A2J) Capacity Building*; 9/1/2020-6/30/2021; \$46,851

Alderden, Megan; Cook County Justice Advisory Council; *Justice Advisory Council Grant Support*; 12/1/2020-11/30/2021; \$52,045

Beck-Winchatz, Bernhard; National Aeronautics and Space Administration; *NASA-Based Interdisciplinary Research for Rising Sophmores*; 4/10/2021-4/9/2022; \$21,262

Beck-Winchatz, Bernhard; National Aeronautics and Space Administration; *DePaul University NASA-*

Based Courses for Midde School Teachers; 4/10/2021-4/9/2022; \$35,325

Beck-Winchatz, Bernhard National Aeronautics and Space Administration; *Illinois Space Grant Consortium Fellowship for Penelope Riley*; 4/10/2021-4/9/2022; \$10,000

Beck-Winchatz, Bernhard; National Aeronautics and Space Administration; *Illinois Space Grant Consortium Scholarship for Alex Esquivel*; 4/10/2021-4/9/2022; \$3,000

Beck-Winchatz, Bernhard; National Aeronautics and Space Administration; *Illinois Space Grant Consortium Scholarship for Benjamin Jetton*; 4/10/2021-4/9/2022; \$3,000

Beck-Winchatz, Bernhard; National Aeronautics and Space Administration *Illinois Space Grant Consortium Scholarship for Naomi Shechter*; 4/10/2021-4/9/2022; \$3,000

Beck-Winchatz, Bernhard; National GEM Consortium; *The National GEM Consortium Fellowship for Julissa Sarmiento*; 9/1/2021-6/30/2023; \$20,000

Berardi, Luciano; U.S. Department of Education; *DePaul University Student Support Services Program*; 9/1/2020-8/31/2021; \$321,822

Berardi, Luciano; U.S. Department of Education; *DePaul University Ronald E. McNair Post-Baccalaureate Achievement Program*; 10/1/2020-9/30/2021; \$261,246

Chaudhary, Veer; National Science Foundation; *CAREER: Linking Macroecology and traits to predict mycorrhizal fungal dispersal*; 5/1/2021-4/30/2022; \$273,342

Chaudhary, Veer; National Science Foundation; *CAREER: Linking Macroecology and traits to predict mycorrhizal fungal dispersal – Supplement for Research Experiences for Undergraduates*; 5/1/2019-4/30/2024; \$8,475

Chikamatsu Chandler, Nobuko; The Japan Foundation, Los Angeles; *Symposium on Teaching China and Japan: Pedagogical Collaboration across Languages, Disciplines, Communities and Borders*; 10/9/2020-3/31/2021; \$4,350

Coll, Alberto; The Lynde and Harry Bradley Foundation; *Course on "The Constitution and American Foreign Policy"*; 9/19/2020-9/18/2021; \$16,830

Coll, Alberto; The U.S. Russia Foundation; *Academic Exchange DePaul College of Law and the Federal University of Kazan, Russia*; 5/1/2021-4/30/2023; \$122,920

Connolly, Sarah; National Institutes of Health; *Mechanism of Herpes Simplex Virus Induced Membrane Fusion*; 12/1/2021-11/30/2022; \$164,355

Dettori, Lucia; CME Group Foundation; *DeSports 2.0- a DePaul CPS High School Program Leveraging Esports for Career Exploration and 21st Century Skills Development*; 7/1/2021-6/30/2022; \$25,000

Dettori, Lucia; National Science Foundation; *Collaborative Research: Chicago Alliance For Equity in Computer Science (CAFECs): Enhancing Culturally Responsive Teaching that Helps Students Build Connections Between Exploring Computer Science and their Lives*; 11/1/2020-10/31/2023; \$50,628

Epstein, Wendy; The Robert Wood Johnson Foundation; *Examining the Proactive Use of 'Generosity Framing' in Encouraging Young and Healthy Individuals to Purchase Health Insurance*; 7/1/2021-6/30/2023; \$388,244

Ferrera, Maria; The Chicago Community Trust; *Healing Justice Dialogue Series and Resource Center*; 4/16/2021-6/30/2021; \$25,000

Flores, Michael; Blackrock Investments, LLC; *Documentary Filmmaking for Girls*; 7/10/2020-7/9/2021; \$25,000

Flores, Michael; Springboard 2 Success; *Become a Filmmaker (Documentary Filmmaking)*; 6/15/2021-10/15/2021; \$58,949

Flores, Michael; Springboard 2 Success; *Game and Graphic Design (Interdisciplinary Design)*; 6/15/2021-10/15/2021; \$29,941

Flores, Michael; Springboard 2 Success; *Next Level Photography*; 6/15/2021-10/15/2021; \$24,861

Flores, Michael; Springboard 2 Success; *TV and Movie Scripts 101 (Screenwriting)*; 6/15/2021-10/15/2021; \$28,767

Godage, Isuru; National Institutes of Health; *MRI-compatible concentric tube robot for intracerebral hemorrhage*; 12/15/2020-11/30/2021; \$81,985

Godage, Isuru; National Science Foundation; *CAREER: Transformable and Reconfigurable Soft Robots*; 9/1/2021-8/31/2026; \$529,999

Godage, Isuru; National Science Foundation; *RI: Small: Collaborative Research: Evolutionary Approach to Optimal Morphology and Control of Transformable Soft Robots*; 9/1/2020-8/31/2023; \$230,000

Gonzalez Aviles, Gabriela; National Science Foundation; *Materials Research Science and Engineering Centers (MRSEC): Center for Multifunctional Materials*; 9/1/2020-8/31/2021; \$41,736

Grant, Kathryn; National Institutes of Health; *An Interpersonal Relationships Intervention for Improving Cardiovascular Health in Youth*; 6/1/2020-5/31/2021; \$171,534

Grant, Kathryn; National Institutes of Health; *Understanding Diverging Profiles of Academic and Physical Health Outcomes in African American Youth*; 6/1/2020-5/31/2021; \$23,655

Grant, Kathryn; U.S. Department of Education; *Evaluation of an Intervention to Improve Academic Outcomes for Low-Income Urban Youth through Instruction in Effective Coping Supported by Mentoring Relationships*; 7/1/2021-6/30/2022; \$699,283

Harrington, Christina; Michigan Center for Urban African American Aging Research; *Designing Health-Related Conversational Assistants for Health-Information Seeking Among Low-Income African-American Older Adults*; 7/1/2020-6/30/2021; \$26,540

Ilo, Stan; Stiftung Auxilium; *Second Pan-African Catholic Congress on Theology, Society and Pastoral Life: Walking Together for a Vital Church in Africa*; 1/4/2021-12/31/2021; \$190,323

Jabon, David; CME Group Foundation; *Expanding the Impact of the EMS Program*; 7/1/2019-6/30/2021; \$100,000

Jason, Leonard; National Institutes of Health; *Maintenance and Incidence of ME/CFS Following Mono*; 12/1/2020-11/30/2021; \$510,271

Jason, Leonard; National Institutes of Health; *Maintenance and Incidence of ME/CFS Following Mono*; 1/1/2020-11/30/2021; \$56,694

Jason, Leonard; National Institutes of Health; *Maintenance and Incidence of ME/CFS Following Mono*; 1/1/2020-11/30/2021; \$169

Jason, Leonard; National Institutes of Health; *Maintenance and Incidence of ME/CFS Following Mono*; 12/1/2020-11/30/2021; \$282,699

Johnson, Laura-Caroline; The Andy Warhol Foundation for the Visual Arts; *DePaul Art Museum Program Support for Exhibition and Public Programs 2020-2021 and 2021-2022*; 6/5/2020-6/4/2022; \$80,000

Johnson, Laura-Caroline; Terra Foundation for American Art; *Edgar Miller Retrospective Terra Foundation Research Fellow*; 11/1/2020-12/31/2021; \$19,650

Karver, Caitlin; National Institutes of Health; *Uncovering the biological roles of inflammatory caspases through chemical approaches*; 9/1/2020-8/31/2023; \$437,912

Kiel, Donna; Archdiocese of Chicago; *Faculty Professional Development-Remote Teaching and Assessment Practices*; 7/1/2020-7/30/2020; \$2,645

Kiel, Donna; Archdiocese of Chicago; *Faculty Professional Development/St. Matthias School*; 6/30/2020-7/30/2021; \$4,500

Kiel, Donna; Archdiocese of Chicago; *New Leader Program Micro-Credential*; 10/1/2020-5/1/2021; \$10,000

Kiel, Donna; Archdiocese of Chicago; *New Teacher Mentoring Micro-Credential*; 11/1/2020-6/30/2021; \$12,000

Kiel, Donna; Archdiocese of Chicago; *OCS Leadership Team Equity Training*; 1/1/2021-3/1/2021; \$2,500

Kiel, Donna; Archdiocese of Chicago; *RISE: Reflection, Inquiry, Self-awareness, and Empathy Program*; 9/15/2020-5/1/2021; \$3,500

Kiel, Donna; Archdiocese of Chicago; *Social Justice Micro-Credential*; 9/15/2020-5/1/2021; \$2,500

Kiel, Donna; Barat Educational Foundation; *Digitization of Our American Voice Lessons*; 9/1/2020-10/15/2020; \$6,000

Kiel, Donna; Infant Jesus of Prague School; *Faculty Professional Development Program: STREAM Teaching Methods Micro-Credential*; 7/1/2021-12/31/2021; \$6,000

Kiel, Donna; Library of Congress; *Library of Congress Civic Learning and Engagement Using Primary Sources*; 10/1/2020-9/30/2021; \$89,902

Kiel, Donna; Little Black Pearl; *Curriculum Development and Coaching*; 1/5/2021-6/30/2021; \$17,500

Kiel, Donna; Little Black Pearl; *Faculty Professional Development-Equity Driven Remote Teaching Micro-Credential*; 9/5/2020-10/31/2020; \$2,500

Kiel, Donna; MindXplorer (Beijing) Education and Culture Exchange; *AEIOU English Language Training*; 3/15/2021-6/25/2021; \$675

Kiel, Donna; MindXplorer (Beijing) Education and Culture Exchange; *Information Technology and Innovative Leadership Training Program*; 10/12/2020-10/23/2020; \$6,000

Kiel, Donna; MindXplorer (Beijing) Education and Culture Exchange; *Mental Health Education Training Program*; 09/5/2020-10/31/2020; \$3,000

Kiel, Donna; MindXplorer (Beijing) Education and Culture Exchange; *Online Teacher Training Curriculum Development: Brain Science in Teaching, Classroom Teaching and Mental Health Education*; 7/10/2020-8/10/2020; \$7,500

Kiel, Donna; Office of Catholic Schools; *Catholic Schools Principal Research*; 8/1/2020-8/20/2021; \$10,000

Kiel, Donna; Pope John XXIII School; *Pope John XXIII Racial Equity Training*; 3/15/2021-9/15/2021; \$7,000

Knight, Kendra; Sinai Urban Health Institute; *Data Use Agreement for Limited Data Set*; 3/29/2021-3/8/2022; \$0

Kustusch, Mary Bridget; National Science Foundation; *Building Capacity in STEM Education Research (BCSER): Expanding the Pool of Discipline-Based STEM Education Researchers*; 9/1/2020-6/30/2021; \$49,839

Kustusch, Mary Bridget; National Science Foundation; *Collaborative Research: Institute in Research Methods for Professional Development for Emerging Education Researchers (PEER) Field Schools*; 9/1/2020-8/31/2023; \$151,219

LaMontagne, Jalene; Illinois Ornithological Society (IOS); *Urban Habitat Effects on Tree Cavity Availability & Bird Population Trends*; 6/1/2021-8/31/2022; \$1,000

LeClair, Elizabeth; Addgene; *Material Transfer Agreement for Iowa State University Materials: 117805pGTag-NLS-TagRFP-SV40 and 117809 pGTag-TagRFP-CAAX-SV40*; 3/15/2021-2/22/2022; \$0

LeClair, Elizabeth; Addgene; *Material Transfer Agreement for National Institute of Child Health and Human Development Material 62213 pCS2-epNTR*; 3/15/2021-2/22/2022; \$0

LeClair, Elizabeth; National Institutes of Health; *Follow That Cell: Motility Analysis of L-plastin Mutant Zebrafish*; 8/1/2020-7/31/2023; \$454,896

Leech, Bruce; Coleman Foundation; *Coleman Entrepreneurship Center Start-up Internship Program*; 6/24/2020-8/19/2020; \$10,000

Lewis, Andre; Illinois Board of Higher Education; *Diversifying Higher Education Faculty in Illinois (DFI) Program Fellows FY2021*; 7/1/2020-6/30/2021; \$52,000

Li, Suling; Julian Grace Foundation; *GenCOVID: User-Centered Digital Education Intervention to Improve COVID-19 Vaccination Acceptance*; 5/1/2021-4/30/2022; \$25,000

Losasso, Anthony; United Healthcare Services, Inc.; *Master Research Agreement with United HealthCare Services, Inc.*; 6/10/2020-6/9/2025; \$0

Lossaso, Anthony; United Healthcare Services, Inc.; *United Healthcare/DePaul University Master Research Agreement Study Addendum #1: Narrow Networks*; 1/1/2021-12/31/2025; \$0

Malik, Tanu; National Science Foundation; *CAREER: Advanced Containers for Reproducibility in Computational and Data Science*; 6/1/2020-5/31/2021; \$96,964

Malik, Tanu; National Science Foundation; *CAREER: Advanced Containers for Reproducibility in Computational and Data Science*; 6/1/2021-5/31/2022; \$101,179

Matteson, Nathan; National Science Foundation; *Decision Making Under Uncertainty (DMUU): Center for Robust Decision-Making Tools for Climate and Energy Policy*; 9/1/2020-8/31/2021; \$169,870

Mazzeo, John; University of Vermont; *Food Access and Security during COVID-19 Data Warehouse Data Transfer and Use Agreement*; 10/15/2020-10/14/2023; \$0

Merrick, Amy; Online News Association; *Journalism for Health Equity in Chicago*; 12/1/2020-12/31/2021; \$20,000

Mertens, Alanna; Chicago Board of Education; *Math Professional Development for Chicago Public Schools: Bronzeville Classical Elementary*; 7/1/2020-6/30/2021; \$3,580

Mertens, Alanna; Chicago Board of Education; *Math Professional Development for Chicago Public Schools – Cassell Fine Arts Elementary School*; 7/1/2020-6/30/2021; \$2,994

Mertens, Alanna; Chicago Board of Education; *Math Professional Development for Chicago Public Schools- Charles Gates Dawes Elementary School*; 7/1/2020-6/30/2021; \$19,344

Mertens, Alanna; Chicago Board of Education; *Math Professional Development for Chicago Public Schools- Randolph Elementary School*; 7/1/2020-6/30/2021; \$3,424

Mertens, Alanna; Chicago Board of Education; *Network 12 Professional Learning*; 10/2/2020-8/31/2021; \$24,996

Michel, Rebecca; PNC Foundation; *Cultivating Strengths from Within: Preparing Individuals Experiencing Homelessness for Meaningful Employment and Careers*; 9/1/2020-6/30/2021; \$12,500

Montgomery, James; National Science Foundation; *Scholarships and Communities to Support STEM Undergraduate Student Persistence and Graduation*; 5/1/2021-4/30/2026; \$999,997

Morrison, Orson; Board of Education of Oak Park and River Forest High School District No. 200; *Resources Agreement with DePaul University*; 4/1/2021-3/31/2022; \$0

Morrison, Orson; Chicago Board of Education; *Social, Emotional, and Learning Direct Services at Dunbar High School*; 7/1/2020-6/30/2021; \$5,000

Morrison, Orson; Community Mental Health Board of Oak Park Township; *Mindful Middle-Schoolers: Resiliency Skills for Anxiety, Depression and Executive Functioning*; 4/1/2020-3/31/2021; \$70,000

Morrison, Orson; Community Mental Health Board of Oak Park Township; *Mindful Middle-Schoolers: Resiliency Skills for Anxiety, Depression and Executive Functioning Supplement*; 8/1/2020-3/31/2021; \$45,770

Morrison, Orson; Community Mental Health Board of Oak Park Township; *Mindful Middle-Schoolers: Resiliency Skills for Anxiety, Depression and Executive Functioning*; 4/1/2021-3/31/2022; \$228,334

Morrison, Orson; Oak Park-River Forest Community Foundation; *Care-Coordination for Oak Park River Forest High School*; 4/1/2021-3/31/2022; \$50,000

Polo, Antonio; The Annie E. Casey Foundation; *Support to Evaluate the School-Based Mental Health Act and Adapt Program and its Impact on Mental Health, Behavior and Education Outcomes*; 1/1/2020-7/31/2021; \$90,000

Polo, Antonio; Chicago Board of Education; *Task Order for Social Emotional Learning Services Act & Adapt*; 10/1/2020-6/30/2020; \$60,300

Potosnak, Mark; National Science Foundation; *CO₂/SO₂ Sensor Package Development for a UAV Platform to Measure Diesel Ship Emission*; 3/1/2021-3/31/2021; \$2,804

Potosnak, Mark; U.S. Department of Energy; *VOC Emissions from Prescribed Burns at Airforce Installations in the Southeastern USA*; 4/26/2021-4/25/2022; \$63,491

Rasin, Alexander; National Science Foundation; *PFI-TT: Systematic Auditing of Database Activity*; 8/15/2020-1/31/2022; \$249,870

Renko, Maija; U.S. Department of State; *The Young Transatlantic Innovation Leaders Initiative*; 9/1/2021-8/31/2022; \$44,050

Renko, Maija; U.S. Department of Health and Human Services; *Promoting Entrepreneurship among Low Income Youth with Disabilities*; 9/3/2019-9/29/2020; \$35,000

Reyna, Christine; New York University; *Graduate Research Assistance*; 9/1/2020-8/31/2021; \$23,798

Robinson, W. LaVome; Rush University; *Data Use Agreement for Limited Data Set Recipient*; 12/4/2020-6/30/2024; \$0

Saw, Anne; National Urban League; *COVID-19 Communities of Color (COC) Needs Assessment*; 6/1/2020-12/31/2020; \$26,873

Schober, Daniel; Sinai Urban Health Institute; *Chicago Gun Violence Research Collaborative*; 8/1/2020-5/31/2021; \$18,626

Shelby, Quinetta; National Science Foundation; *Louis Stokes STEM Pathways and Research Alliances: The Illinois LSAMP STEM Pathway and Research Alliance (ILSPRA)*; 9/1/2020-8/31/2021; \$22,000

Shilling, James; The Chicago Community Trust; *Protecting & Advancing Equitable Homeownership*; 4/30/2020-4/30/2021; \$80,000

Simonovich, Shannon; Illinois Nurses Foundation; *An Examination of Nursing Practice During the COVID-19 Pandemic*; 7/17/2020-6/14/2021; \$1,500

Simonovich, Shannon; Sigma Theta Tau International Honor Society; *An Examination of Nursing Practice During the COVID-19 Pandemic*; 6/15/2020-8/1/2021; \$2,500

Stan Raicu, Daniela; National Science Foundation; *Research Experiences for Undergraduates (REU) Site: MedIX: MEDical Informatics eXperiences in Undergraduate Research*; 3/1/2020-2/28/2023; \$81,300

Stan Raicu, Daniela; Northwestern University; *Computer-Aided Prognosis for Age Macular Degeneration*; 7/20/2020-9/11/2020; \$3,875

Stokes, Robert; National Institutes of Health; *A Randomized Trial of Abandoned Housing Remediation, Substance Abuse and Violence*; 7/1/2020-3/31/2022; \$27,504

Storey, Margaret; Julian Grace Foundation; *Community Engaged Urban Research and Project-Based Learning*; 12/1/2020-12/1/2022; \$340,000

Studham, Susan; American Indonesian Exchange Foundation; *Decolonizing Theatre Production Practice: Identifying Balinese Performance Management*; 1/1/2021-6/30/2021; \$25,750

Tenner, Bridget; National Science Foundation; *Higher-order Pattern Containment*; 7/1/2021-6/30/2024; \$114,852

Turner, Allen; Spencer Foundation; *Tech Tales and Narratives*; 12/1/2020-12/31/2021; \$49,850

Vance-McMullen, Danielle; Bill & Melinda Gates Foundation; *2020 GBA: Donor Advised Data Research Collaborative*; 8/7/2020-12/31/2021; \$200,251

Wurtzebach, Charles; The Annie E. Casey Foundation; *Support for Engaging Youth and Families with Local Data for COVID-19 Response and Recovery on Housing and Health in Chicago*; 7/1/2020-1/31/2021; \$25,000

Wurtzebach, Charles; The Chicago Community Foundation; *Community Walkability During a Global Pandemic: Collecting Data and Stories to Reframe Equitable Development in Communities of Color*; 9/1/2020-12/31/2020; \$15,000

Wurtzebach, Charles; The Chicago Community Foundation; *Knowledge Sharing Working Group (KSWG)*; 1/1/2020-12/31/2021; \$15,000

Wurtzebach, Charles; The Chicago Community Trust; *Support for the Knowledge Sharing Working Group (KSWG)*; 5/1/2020-5/1/2021; \$15,000

Wurtzebach, Charles; City of Chicago; *Providing Data Support to the Micro Market Recovery Program (MMRP) and MMRP Partners*; 8/7/2020-12/31/2020; \$37,000

Wurtzebach, Charles; City of Chicago; *Technical Assistance to Support the Micro Market Recovery Program*; 1/1/2021-12/31/2021; \$37,000

Wurtzebach, Charles; Communities United; *Technical Assistance to Communities United*; 2/1/2021-12/31/2021; \$25,000

Wurtzebach, Charles; Hispanic Housing Development Corporation; *Displacement Pressure near Hispanic Housing Development Corporation's North/Pulaski II*; 2/1/2021-4/30/2021; \$5,500

Wurtzebach, Charles; Illinois Housing Council; *Examining Changes in Assessed Values for Low Income Housing Tax Credits Properties*; 3/1/2021-5/30/2021; \$5,500

Wurtzebach, Charles; The John D. and Catherine T. MacArthur Foundation; *Support for DePaul University Institute for Housing Studies Operations*; 10/1/2020-9/30/2021; \$150,000

Wurtzebach, Charles; The John D. and Catherine T. MacArthur Foundation; *Support for the Institute of Housing Studies at DePaul University's Technical Support and Assistance Work*; 10/1/2021-9/30/2022; \$100,000

Wurtzebach, Charles; PNC Foundation; *Technical Assistance to Support Community Development Stakeholders*; 11/1/2020-10/31/2021; \$12,500

Wurtzebach, Charles; PNC Foundation; *Technical Assistance to Support Community Development Stakeholders*; 5/15/2021-5/31/2022; \$25,000

Wurtzebach, Charles; Polk Bros. Foundation; *Data Development and Technical Assistance to Support Anti-Displacement, Affordable Housing Preservation, and Equitable Community Development Strategies*; 1/1/2021-12/31/2021; \$40,000

Wurtzebach, Charles; Retirement Research Foundation for Aging; *Applied Research and Technical Assistance to Understand the State of Housing for Chicago's Older Adults*; 10/1/2020-3/31/2022; \$100,000

Wurtzebach, Charles; Southwest Organizing Project; *Building Data Resources to Support a Response to COVID-19 in Chicago Lawn*; 7/1/2020-6/30/2021; \$12,500

Zeigler, John; Boeing; *Multi-Faith Veteran Initiative: Woman Veterans Wellness Project Phase II*; 3/16/2021-3/15/2022; \$100,000

Zeigler, John; Jumpstart for Young Children, Inc.; *Jumpstart Chicago at DePaul University 2021*; 9/1/2020-8/31/2021; \$71,221

Zeigler, John; Robert R. McCormick Foundation; *Multi-Faith Veteran Initiative*; 1/1/2020-12/31/2021; \$125,000

SECTION III: INTRAMURAL SUBMISSIONS AND AWARDS

ORS administers intramural grants awarded by the University Research Council (URC), Quality of Instruction Council (QIC), Public Service Council (PSC) and Academic Growth and Innovation Fund (AGIF). These grant programs are used to support the research, teaching, and service activities of faculty members across the University. Similar to Sections I and II, the number of proposals/ awards and the level of funding associated with them are used as the metrics in Section III.

SUMMARY

Intramural research funding is designed to support the individual scholar with an innovative idea in a traditionally underfunded area of research, or the scholar who needs monetary assistance in bringing a preliminary scholarly, instructional, or creative activity to fruition. DePaul University's Office of Research Services

confers intramural awards through the three Councils: URC, QIC, and PSC. Proposals submitted to the Councils are peer reviewed and recommended for award by the vote of Council Members. In FY 2021, the Councils conferred 82 intramural awards totaling \$404,656.

Additional intramural funding is made available to DePaul academic units through the Academic Growth and Innovation Fund (AGIF), and the Undergraduate Research Assistant Program (URAP). AGIF grants support innovative ideas that will generate institutional revenue; URAP funds are provided as block grants to academic units in support of undergraduate research assistance.

The FY 2021 distribution of funds by the Councils, AGIF and URAP are detailed in the following subsections.

University Research Council

The URC supports the faculty's research, scholarship and creative activities through competitive grants and leaves. In addition to helping faculty maintain their intellectual vitality, the grants and leaves are intended as a stepping-stone for securing external funding. The URC received 72 proposals totaling \$370,597 in FY 2021; the Council conferred 58 awards totaling \$294,941.

Public Service Council

The PSC assists faculty in incorporating meaningful public service and service learning into DePaul University coursework. The Council currently supports grant programs for instruction and research as well as a series of annual faculty awards for service. The PSC received 4 proposals totaling \$19,965 in FY 2021. The Council funded all of the submissions.

Quality of Instruction Council

The QIC supports faculty efforts to enhance the curricular offerings of DePaul University. QIC received 21 proposals totaling \$92,240 in FY 2021. The Council conferred 20 awards totaling \$ 89,740.

COUNCIL SUPPORT

Table 3.1 details the total number of proposal submissions to the three Councils along with the total dollar value of funds requested. The number of awards conferred by each Council in FY 2021, and the aggregate dollars awarded are also detailed in Table 3.1. Similar to extramural funding, most Council intramural funding, an estimated 73% of funds awarded in FY 2021, were for projects supported by the URC.

Table 3.2 details the aggregate number and dollar value of Council awards for the FY 2015 to FY 2021 period. Both the quantity and amount of intramural grants funded has fluctuated during this time frame. The number of Council awards in FY 2021 decreased 44.9% since its record high in FY 2019. Similarly, funds awarded by the Council in the FY 2018 to FY 2021 period also decreased by an estimated 23%, from \$525,540 in FY 2019 to \$404,646 in FY 2021.

More recently, between FY 2020 and FY 2021, funding awarded through the Councils contracted an estimated 7.9% from \$439,360 in FY 2020 to \$404,646 in FY 2021. Despite this decrease, all submissions recommended for funding by the Council in FY 2021 were supported.

Faculty from all ten of DePaul's colleges applied for and received intramural Council funding in FY 2021, with College of Liberal Arts and Social Sciences (LAS) submitting close to 29% of proposals and receiving just over 30% of the awards (Table 3.3). The College of Science and Health (CSH) and the College of Computing and Digital Media (CDM) followed with an estimated 22% and 17% of awards, respectively. Other units were each responsible for less than 10% of proposals submitted to the Councils; as expected given submission levels, each received less than 10% of Council conferred awards.

Table 3.1: FY2021 Requests/ Grant Awards by Council

Council	PROPOSALS				AWARDS			
	Proposal #	%	\$ Requested	%	Award #	%	\$ Awarded	%
PSC	4	4.12%	\$19,965	4.14%	4	4.88%	\$19,965	4.93%
QIC	21	21.65%	\$92,240	19.11%	20	24.39%	\$89,740	22.18%
URC	72	74.23%	\$370,597	76.76%	58	70.73%	\$294,941	72.89%
Total	97	100%	\$482,802	100%	82	100%	\$404,646	100%

Technical Note: Dollar amounts include stipend payments to faculty involved in grant projects, as well as budget transfers for course releases that are not included in proposal and award budgets.

Table 3.2: Total Intramural Council Grant Funds Awarded, FY2015-2021

FY	2015	2016	2017	2018	2019	2020	2021
Funds Awarded	\$377,500	\$475,900	\$424,000	\$660,462	\$525,540	\$439,360	\$404,646
Award Count	99	125	110	133	149	95	82

Technical Note: FY 2020 and FY 2021 dollar amounts includes stipend payments to faculty involved in grant projects as well as budget transfers for course releases that were not included in the previous years' totals.

Table 3.3: FY 2021 Council Grant Funds Requested / Awarded by Unit

Unit	Proposal #	%	\$ Requested	%	Award #	%	\$ Awarded	%
BUS	2	2.0%	\$5,875	1.2%	2	2.4%	\$5,875	1.5%
CDM	18	18.4%	\$101,944	21.1%	14	17.1%	\$83,444	20.6%
CMN	10	10.2%	\$36,629	7.6%	8	9.8%	\$27,779	6.9%
CSH	22	22.4%	\$120,690	25.0%	18	22.0%	\$104,190	25.7%
EDU	9	9.2%	\$51,440	10.7%	7	8.5%	\$42,940	10.6%
LAS	28	28.6%	\$130,502	27.0%	25	30.5%	\$108,196	26.7%
LAW	1	1.0%	\$3,800	0.8%	1	1.2%	\$3,800	0.9%
MUS	2	2.0%	\$5,070	1.1%	2	2.4%	\$5,070	1.3%
SCPS	2	2.0%	\$13,552	2.8%	2	2.4%	\$13,552	3.3%
TTS	4	4.1%	\$13,300	2.8%	3	3.7%	\$9,800	2.4%
TOTAL	98	100%	\$482,802	100%	82	100%	\$404,646	100%

AGIF SUPPORT

The Academic Growth and Innovation Fund supports innovative academic ideas that will positively impact DePaul University's revenue within the next three years. The term "idea", in reference to this Fund, was broadly conceived at time of program inception, to allow applicants maximum latitude in program conception and

stage of project implementation. In FY 2021, the Fund directly supported eight projects with awards totaling \$867,590. Table 3.4 details AGIF funding by Unit in FY 2021. Noteworthy, some AGIF initiatives receive multi-year support and/or institutional support from sources beyond this Fund that are not recorded in this table.

Table 3.4: FY2021 AGIF Grant Funds Awarded by Unit

Unit	Award #	%	\$ Awarded	%
College of Business	0	0.00%	\$0	0.0%
College of Communication	0	0.0%	\$0	0.0%
College of Computing & Digital Media	5	62.5%	\$622,910	71.8%
College of Science & Health	0	0.0%	\$0	0.0%
College of Education	0	0.0%	\$0	0.0%
College of Liberal Arts & Social Sciences	1	12.5%	\$100,000	11.5%
College of Law	1	12.5%	\$45,080	5.2%
School of Music	0	0.0%	\$0	0.0%
School of Continuing and Professional Studies	0	0.0%	\$0	0.0%
The Theatre School	1	12.5%	\$99,600	11.5%
TOTAL	8	100%	\$867,590	100%

URAP SUPPORT

The University's Undergraduate Research Assistant Program, which offers students a unique opportunity to work with a faculty member, or group of faculty, on the planning and implementation of a research project through block grants to DePaul academic units continued in FY 2021, with the program providing a total of 141 units of student support. Seven of the University's ten colleges participated in the URAP program in FY 2021. The URAP program enhances participating students' overall academic experience at DePaul, by providing them with opportunities to collaborate with faculty members

who conduct research, or other scholarly/creative activities, in disciplinary areas of their choosing. Similarly, it provides our faculty with the benefits of compensated research assistance in support of their scholarly endeavors. URAP program experience can prove to be an important asset to students embarking on careers that demand research experience and/ or project management skills, or supply an important breadth of knowledge to those who chose to pursue graduate or professional studies. The distribution of FY 2021 URAP units and associated funding, by academic unit, is detailed below in Table 3.5.

Table 3.5: FY2021 URAP Funds Awarded by Unit

Unit	# Units	%	\$ Awarded	%
College of Business	32	22.7%	\$33,600	22.7%
College of Communication	8	5.7%	\$8,400	5.7%
College of Computing & Digital Media	32	22.7%	\$33,600	22.7%
College of Science & Health	41	29.1%	\$43,050	29.1%
College of Education	2	1.4%	\$2,100	1.4%
College of Liberal Arts & Social Sciences	22	15.6%	\$23,100	15.6%
College of Law	0	0.0%	\$0	0.0%
School of Music	0	0.0%	\$0	0.0%
School of Continuing and Professional Studies	4	2.8%	\$4,200	2.8%
The Theatre School	0	0.0%	\$0	0.0%
TOTAL	141	100%	\$148,050	100%

Technical Note: One unit equals 75 hours of student work at \$14/hr.

INDIVIDUAL AWARD LISTINGS

Intramural Awards

ACADEMIC GROWTH AND INNOVATION FUND AWARDS

Andrews, Brian; *Virtual Production*; \$100,000

Dettori, Lucia; *The Recruiting Game*; \$99,991

Fluty, Kristina; *Certificate in Theatrical Intimacy at The Theatre School*; \$99,600

Settimi-Woods, Raffaella; *Promoting DePaul programs in Computer Science and Artificial Intelligence*; \$300,000

Taveras, Maria de Moya; *The Communication Clinic*; \$23,800

Tirres, Ashley; *Collaborative Certificate in Cybersecurity and Data Privacy*; \$45,080

Tzoumis, Kelly; *Reaching Out to an Underrepresented Community: the Student with Disabilities*; \$100,000

Wagner, LeeAnne; *Push Studio: Collaborating with Industry and Community Partners to Address Emerging Technology Challenges Using Human-centered Design*; \$99,119

PUBLIC SERVICE COUNCIL AWARDS

Harrington, Christina Nicole; *Developing an Equity and Health Data Video to Address Digital Health Literacy among Marginalized Groups*; \$5,000

Nacu, Denise; *Addressing Health Equity in Local Chicago Communities using Data Journalism and Text Messaging Technology*; \$4,991

Saw, Anne; *Dialogue Intervention to Promote Racial Solidarity & Tackle Anti-Blackness among Chinese Immigrants*; \$5,000

Vogt, Jessica Marie; *Survival, Growth & Return on Investment of Planted Trees for Northwest Indiana's CommuniTree*; \$4,974

QUALITY OF INSTRUCTION COUNCIL AWARDS

Beiriger, Eugene; *Refinement and Preparation for Adaptation of New Modes of Delivery of a Team-Taught Course- DPL 200 Diplomacy: Its Past and Present*; \$3,500*

Brault, Pascale-Anne; *Translating Diderot and D'Alembert's Encyclopedie for the Digital Humanities*; \$3,500*

Bullard, Dexter; *Curricular Transformation Work for Fall 2021 Launch of The Theatre School's New Two-Year Sequence of the MFA Acting Program*; \$3,500*

Burgess, Deanna; *Maintaining Accreditation: Implementing Tevera into the Counseling Program*; \$7,000*

Bystriansky, Jason; *Development of a New Masters of Arts (M.A.) Program in Biology*; \$7,000*

Chu, Shu-Chuan; *Electronic Word-of-Mouth and Viral Advertising*; \$3,500

Claussen, Diane; *Reimagining Theatre Leadership Training in 2021: A Revised B.F.A. Theatre Management Curriculum for a COVID-impacted, Economically-fragile, Anti-racist and More Inclusive Theatre Community*; \$3,500*

Hoecker, Robin; *Course redesign: Journalism and the American Experience*; \$3,500*

Ibata-Arens, Kathryn; *Bio-Culturalism and Political Activism in Islands of Asia Pacific: New Study Abroad Program and Two New Courses in Environmental Science and Political Science*; \$5,000

Kahn, Linda; *With and Without: A New View about Disability through the Lens of Dance*; \$2,100

Kalchman, Mindy; *The Structure of Function of Government in the life cycle of Education Policy Decisions: From the Feds to the State to the Field*; \$3,500*

Miller, Craig; *Why Do Students Leave the Introductory Programming Sequence;* \$4,956

Ostrowski, Zachary; *Germany: Study Abroad in Berlin;* \$5,000

Sparkes, Timothy; *Focal Point Seminar: Real Zombies in Nature;* \$3,500*

Ugarcovici, Ilie; *Course Content Integration and Collaboration in MAT 484 and MAT 485;* \$3,500*

Ugarcovici, Ilie; *Support for Bi-modal Graduate Courses in Mathematics;* \$7,500

Udoh, Isidore; *Collaborating with Global Health Practitioners in Nigeria to Mentor Students in DePaul MPH Program;* \$2,484

Wellman, David; *Establishing a Summer Institute in Transprofessional Diplomatic Studies for the Faculty of The Grace School of Applied Diplomacy;* \$4,800

Wellman, David; *Proposal for Development of a New Team-taught Course- DPL 201 Diplomacy: Its Present and Future;* \$3,500*

Worthman, Christopher; *Integrating International Baccalaureate Curriculum in the Middle Grades and Secondary Education Program;* \$3,500*

UNIVERSITY RESEARCH COUNCIL AWARDS

Anton, Theodore; *Programmable Planet: The Synthetic Biology Revolution;* \$3,750*

Barrera-Tobon, Carolina; *The Gentrification of Dual Language Programs in Chicago;* \$11,000*

Bell, Margaret; *Acute Isolation of Adolescent Microglia to Determine Proinflammatory Effects of Environmental Contaminant, PCB 153;* \$5,000

Boeck, Elena; *The Legend of Troy in the Middle Ages: Imagining Migration and Resilience;* \$8,500*

Booth, Paul; *A Celebration of Superheroes;* \$4,000

Brink, Ann Marie; *Album Recording and Release of Hans Sitt's Work for Viola;* \$4,500

Brown, Eric; *Risk and Protective Factors of Black Therapists Working with Black Clients;* \$5,000

Bryant, Leah; *Political Differences and Distancing in Sibling and Extended Family Relationships;* \$665

Bucking, Scott; *NSF Application: Urban Monastic Settlement at Oboda in the Late Antique Negev of Southern Israel;* Course Release **

Buscemi, Joanna; *Testing the Feasibility of an Intervention to Increase Breastfeeding Duration & Mood in Black Women;* Course Release **

Buscemi, Joanna; *The Impact of the COVID-19 Pandemic on Health-Risk and Health-Promoting Behaviors in Emerging Adulthood;* \$7,500*

Butler, Anne; *Developing Continuity in HLPs: Implementation from Preservice Special Education Preparation to Induction;* \$9,640*

Bystriansky, Jason; *Comparison of Acid Base Regulation in Free-living Intertidal and Subtidal Sea Urchins;* \$4,993

Chu, Shu-Chuan; *A Multi-Country Study on Electronic Word-of-Mouth and Corporate Social Responsibility Communication in Social Media;* \$5,000*

Cooper Mongeon, Katherine; *Resilience among refugee-serving organizations;* \$5,000

Gerstenblith, Patty; *Objects of the Past: A Legal History and Analysis of the Cultural Heritage Debate: Subvention for Copyright Licenses and Indexing;* \$3,800

Greeson, Megan; *Nurse Perceptions of Rape Victim Advocates? Work with Sexual Assault Survivors;* \$7,461*

Greeson, Megan; *Sexual Assault Kit Tracking: An Action Research Project;* Course Release**

Gross, Jonathan; *Student Researchers for Words of the Prophets: Street Art as Political Protest in Thessaloniki, Gdansk, Naples, and Chicago;* \$4,000

Harvey, Miles; *Support for Work on Creative-Writing Textbook;* \$4,000

Hoot, Bradley; *Syntactic Islands in Spanish/English Code-switching;* \$4,992

Huang, Zhen; *A Learning-based Approach to Detecting Vulnerabilities;* \$5,000

Ibata-Arens, Kathryn; *Book Indexing and Color Illustrations, Forthcoming Book- Medicine in an Age of Pandemics*; \$3,500

Jensen, Jaclyn; *Thriving and Career Success among Working Parents during COVID-19*; \$5,000

Jones, Sara; *A Survey of Music Educators' Use of IEPs*; \$570

Kanj, Iyad; *Efficient and Reliable Hematoma Volume Coverage*; \$10,876*

Kessler, Kelly; *Salaciously Family-Friendly: Vegas Brings Sequins and Sexy to America's Boob Tube*; \$1,914

Kimble, Sarah; *Gender, Power, and the Early History of the Genocide Convention*; \$7,500*

Kipp, Jingjing; *Generation and Characterization of Two Novel Transgenic Mouse Models*; \$5,000

LaMontagne, Jalene; *Submissions for Mast Seeding Research to the National Science Foundation*; Course Release**

Lewis-Elligan, Tracey; *Chicago Donor Milk Equity Project*; \$5,000

Malik, Tanu; *Libraries for Reproducible Containers*; \$5,000

Matteson, Nathan; *Bernt Nyberg's endangered architecture*; \$4,495

Mazzeo, John; *Food Insecurity and COVID-19 in Chicago among Racial and Ethnic Minorities*; \$5,000

McMahon, Susan; *A National Study of Violence against Educators: Experiences and Recommendations from the Front Lines*; \$7,363*

Mello, Joseph; *Pot for Profit*; \$3,500*

Mobasher, Bamshad; *Using Multi-Armed Bandits to Model User Dynamics in Personalized Recommendation*; \$7,500*

Mundel, Juan; *Consumer Perceptions of Brand Opportunism during Tumultuous Times*; \$3,500

Naas, Mich; *Class Acts: Jacques Derrida on Pedagogy, Speech Act Theory, and the Essence of Accidents*; \$3,500

Novakovic, Alexandra; *The Development of College and Career Readiness Counseling Competencies for School Counselors*; \$4,350

Opitz, Donald; *Gender, Colonialism, and Science: A Collaborative Research Project in Decolonizing Historical Sources*; Course Release**

Park-Johnson, Sung; *Morphosyntactic Development of Korean-English Bilingual Children*; \$7,500*

Qahri Saremi, Hamed; *Social Media Firestorms and the Effectiveness of Firms' Responses: A Sentiment Analysis of Twitter*; \$5,000

Quinn, Heather; *Mariah: A Documentary Short Film about the Augmented Reality App that Narrates Stories of Historical Injustice*; \$5,000

Rana, Anuradha; *Language of Opportunity*; \$7,500*

Rana, Anuradha; *Musher*; \$5,000

Riddell, Richard; *Max Q: A Short VR Film*; \$4,000

Royster, Francesca; *Listening for My Mother- Travels in Music from Bahia to Chicago*; \$3,300

Salusky, Ida Shiela; *Psychological Wellbeing for First-Generation College Students during the COVID-19 Pandemic*; \$7,500*

Saw, Anne; *National Study of the Impacts of the COVID-19 Pandemic on Asian Americans*; \$5,000

Soderback, Fanny; *Vulnerability in the Wake of Coronavirus*; \$6,756*

Stuhlmacher, Michelle; *Are Informal Greenspaces Just Green Enough? A Spatiotemporal Analysis of Green Gentrification in Chicago*; \$3,060

Thompson, Kevin; *Intolerable: Writings from Michel Foucault and the Prisons Information Group, 1970-1980*; \$2,280

Tomuro, Noriko; *Transfer Learning Techniques for Relation Extraction in Biomedical Text*; \$7,376*

Tran, Susan; *Trajectories of Symptoms and Functional Outcomes among Youth with Functional Gastrointestinal Disorders*; \$4,000

Vance-McMullen, Danielle; *Understanding Simultaneous Solicitations: The Decision Making Fundamentals of Giving Tuesday Donations*; \$4,200

Wang, Tawei; *The Invisible Hands: Does Registration Change Data Brokers? Privacy Disclosures and Deter Potential*; \$875

Wellman, David; *Environmental Diplomacy: Exploring Transprofessional Contributions to Global Survival. A Conference Hosted by The Grace School of Applied Diplomacy, October 13, 14 and 15, 2021*; \$2,000

Technical Notes:

*This dollar amount includes one or more stipend payments to faculty involved in the grant project in addition to the awarded grant budget.

** The course release was awarded as part of the URC Competitive Course Release Program.

SECTION IV: RESEARCH PROTECTIONS

The Research Protections section summarizes the activities of the Research Protections area of ORS. The activities of the Research Protections unit are best measured by understanding the number of protocols that are submitted to the committees overseen by this unit, therefore, the metric of submissions is used to report on Research Protections activities throughout Section IV.

SUMMARY

The Research Protections unit of the Office of Research Services at DePaul University consolidates several ancillary services that directly impact the conduct of research at the University. ORS' Protections unit services include the administration of three federally mandated review committees: the Institutional Review Board, the Institutional Biosafety Committee, and the Institutional Animal Care and Use Committee. In collaboration with these committees, ORS monitors compliance with protections-related federal, state, and local regulatory requirements. In FY 2021, the Committees reviewed, in aggregate, 603 submissions. At FY 2021 close, the three Committees were actively managing a total of 793 protocols.

INSTITUTIONAL REVIEW BOARD

DePaul's Institutional Review Board (IRB) is a university-wide committee charged with overseeing all research activities involving human subjects conducted by the DePaul community.

The IRB is comprised of DePaul faculty and staff from various colleges, schools, and departments, as well as local community representatives. IRB submissions by Type are summarized in Table 4.1. New Projects increased by one in FY 2021 over FY 2020 levels, while protocol amendments reviewed by the IRB and IRB continuing reviews decreased by 11% and 54% respectively.

In 2021, DePaul's Protections Unit also made both COVID-19 Safety Training as well as Remote Contact Training available to DePaul University-affiliated personnel. These trainings were sponsored by the Collaborative Institutional Training Initiative (CITI) Program, which DePaul participates in as a subscribing organization. This fiscal year, the IRB Chair and Director of Research Compliance also compiled an IRB User Guide for the eProtocol system and offered the University community workshops on requirements for submission to the IRB using the eProtocol system. The Protections' unit also developed forms for the DePaul NetAdmin team to add "Friend of DePaul" accounts for unaffiliated research personnel who need access to the eProtocol system for IRB activities in this year's reporting period.

INSTITUTIONAL BIOSAFETY COMMITTEE

The Institutional Biosafety Committee (IBC) oversees the usage of biohazardous materials in research and teaching. The IBC is a federally-

Table 4.1: IRB Submissions by Type

Type	Total	Exempt	Expedited	Full
New Projects	198	128	70	0
Amendments	202	84	118	0
Continuing Review	36	0	35	1
Final Report	44			
Adverse Event/Incident	6			
Non-Compliance	4			
IAA/IIA	21			
Non-Reviewable Determinations	19			

mandated oversight committee that ensures the safe acquisition, usage, and disposal of all biohazardous agents at the university. IBC Submissions by Type are categorized in Table 4.2. Full Committee reviews decreased from 14 in FY 2020 to zero this fiscal year, while Designated Member Reviews by the IBC increased 42.8%, from 14 in FY 2020 to 20 in FY 2021.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

The Institutional Animal Care and Use Committee (IACUC) oversees the use of animals in research and teaching activities. The IACUC is a federally mandated oversight committee that reviews all proposals for the use of live vertebrate animals. IACUC Submissions are detailed in Table 4.3.

Though DePaul's Research Support Facility stayed open throughout the COVID-19 pandemic, select animal researchers chose to close their protocols during the height of the pandemic. IACUC Designated Member Review of protocols in FY 2021 decreased 64.3% from 14 in FY 2020 to 5 in FY 2021. Full Committee Review of IACUC protocols increased 133.3 %, rising 9 in FY 2020 to 21 in FY 2021. Noteworthy, in FY 2021, ORS launched the IACUC module of the eProtocol online submission system, completing the system launch that was initiated in FY 2020 with the IBC and IRB system modules. This spring, the IACUC's Research Support Facility also submitted Health Surveillance Materials to the Charles River Laboratory as part of its commitment to DePaul's Occupational Health & Safety Plan.

Table 4.2: IBC Submissions by Type

Type	Total	Initial	Amendment	Renewal
Full Committee Review (FCR)	0	0	0	0
Designated Member Review (DMR)	20	0	1	19
DMR Post-FCR	1	0	0	1
Exempt – Chair Confirmation	7			
Administrative Review (AR)	7			

Table 4.3: IACUC Submissions by Type

Type	Total	Initial	Amendment	Renewal
Designated Member Review (DMR)	5	0	1	4
Full Committee Review (FCR)	21	10	4	7
DMR Post-FCR	8	5	2	1
Administrative Review (AR)	5			
Veterinary Verification & Consultation Process (VVC)	0			
Memorandum of Understanding	0			

RESEARCH PROTECTIONS SUBMISSIONS BY UNIT

As might be expected, the focus of the activity of the three oversight committees is the College of Science and Health (CSH). In FY 2021, approximately 62.5% of research protections submissions came from faculty, staff, and students in the College of Science

and Health (Table 4.4). Modest groupings of IRB activity were also concentrated in the Colleges of Business, Communication, Computing and Digital Media, Education and Liberal Arts and Social Sciences.

Table 4.4: FY 2021 Research Protections Submissions by Unit

Unit	IRB	IBC	IACUC	Total
College of Business	30	0	0	30
College of Communication	27	0	0	27
College of Computing & Digital Media	53	0	0	53
College of Education	45	0	0	45
College of Law	1	0	0	1
College of Liberal Arts & Social Sciences	54	0	0	54
College of Science & Health	304	34	39	377
School for Continuing & Professional Studies	2	0	0	2
School of Music	6	0	0	6
The Theatre School	1	0	0	1
Administrative Units	7	0	0	7
TOTAL	530	34	39	603

SECTION V: STAFF AND COMMITTEES

In this section, ORS acknowledges the contributions of staff and committee members who formally contributed to sponsored and creative activities of the institution this fiscal year. In addition to these named faculty and staff, we also benefit from the counsel of deans, chairs, and administrative units at the University too numerous to name here; each has enhanced our activities and ensured a high level of service to both applicants and recipients of sponsored project funding.

ASSOCIATE PROVOST FOR RESEARCH

Daniela Stan Raicu

OFFICE OF RESEARCH SERVICES STAFF AND FELLOWS

Award Management	Pre-Award Services	Research & Innovation Strategies	Research Protections
Stephanie LeCorgne	Alexandra Beiriger	Lauren Miller	Jessica Bloom
Rachel Nowak	Jeff Deaner		Melodie Fox
Verrita Washington	Cate Ekstrom		
Administrative Support		Innovation Fellows	
Maria del Carmen Ramirez		Kathryn Ibata-Arens	
		William Marty	

ACADEMIC GROWTH AND INNOVATION FUND REVIEW COMMITTEE- PROVOST’S COUNCIL

GianMario Besana
Caryn Chaden
Salma Ghanem, Chair
Robert Karpinski
Alyssa Kupka
Cynthia Pickett
Daniela Stan Raicu
Lucy Rinehart

FACULTY COUNCIL COMMITTEE ON RESEARCH POLICY

Peg Birmingham
Emily Cauble
Hilary Conklin
Blair Davis, Co-Chair
Helen LaVan
Tanu Malik, Co-Chair
Joseph Mikels
Alexander Rasin
Sue Fenty Studham

FY 2021 COUNCIL COMMITTEE MEMBERSHIP

University Research Council

Gagik Aroutiunian
Blair Davis
John Dean
Ning Du
Christina Harrington
Lisa Mahoney
Stephani Mason
Arieahn Matamonasa
Tom Miller
Enid Montague
Roxanne Owens
Joshua Sarnoff
Paul Vadola
Rob Zenchelsky (Adler)
Ex officio:
Cate Ekstrom
Lauren Miller
Daniela Stan Raicu, Chair

Public Service Council

Nezih Altay
Leah Bryant
Winifred Curran
Christine Hjorth
Sara Jones
Daniel Klein
Karl Liechty
Rebecca Michel
Allen Moye
Jason Schneider
Neil Vincent
Ex officio:
Lauren Miller
Daniela Stan Raicu, Chair

Quality of Instruction Council

Ann Brink
Joanna Brooke
Eli Brown
Leah Bryant
Dexter Bullard
Kevin Downing
Jonathan Gross
Jason Kalin
Jody Marcucci
Alexandra Novakovic
William Reddic
Leodis Scott
Ex officio:
Lauren Miller
Daniela Stan Raicu, Chair

FY 2021 PROTECTIONS COMMITTEE MEMBERSHIP

Institutional Review Board

Mojdeh Bayat
Jessica Bloom
Leah Bryant
Joanna Buscemi
Darrell Cannon
Jessica Choplin
Rebecca Feinberg
Melodie Fox
Bradley Hoot
Jessica Jerome
Craig Klugman
Filipo Sharevski
Shannon Simonovich
Joseph Tariman, Vice Chair
Lisa Tarr
Neil Vincent, Chair
Phillip Yates
Ex-Officio:
Daniela Stan Raicu
Cate Ekstrom

Institutional Biosafety Committee

Kathleen Abma
Jeremie Fant
Jingjing Kipp
Janine Kirin
David George, Vice Chair
Justin Maresh, Chair
Nicolette Zielinski-Mozny
Alternates:
Emily Opalski
Ex-Officio:
Jessica Bloom
Daniela Stan Raicu

Institutional Animal Care and Use Committee

Margaret Bell
Jason Bystriansky, Vice Chair
Jaimie Engle
Jalene LaMontagne
Caleb McMahan
Marisa Shender
Nicolette Zielinski-Mozny
Ex-Officio:
Jessica Bloom
Janine Kirin
Daniela Stan Raicu