Letter from the Director

I’d like to extend a warm welcome to all new and returning members of the Baruch College community back for a new academic year. With a return to in-person classes and the opening of the newly completed Clivner Field Plaza, there is a buzz of excitement on campus. I hope this issue of Eye On Research finds you all looking forward to a productive academic year.

As the first issue for the 2021-2022 academic year, there’s lots to report. David Gruber (Natural Sciences) was awarded a grant from Schmidt Ocean Institute, Scott Newbert (Management) was awarded funding as part of the CUNY Blackstone Launch-Pad, Deborah Balk (CIDR), was awarded by the National Science Foundation (NSF) and Bohdan Kukharsky (Economics) was awarded CUNY’s Junior Faculty Research Award in Science and Engineering (JFRASE). They are each featured in this month’s issue. Please join me in congratulating them all!

SPAR has been busy finding new ways to provide the highest level of service to everyone. In addition to email and office telephone, SPAR will continue to be available via MS Teams. We have re-evaluated and clarified forms and policies and are working on a new policy to ensure all expectations can be met. Additional, details are included in this issue and will follow over the coming months.

Also, included is the upcoming PSC-CUNY program announcement, news items and the schedule of workshops on the lower left of this page. All workshops will be offered remotely and we ask you to RSVP at SPARRSVP@baruch.cuny.edu no later than 24 hours before each workshop. If there are research ideas that you would like to discuss contact us at SPARproposalinquiry@baruch.cuny.edu. Please feel free to reach out to me or any member of the SPAR team with any questions or concerns you may have. Have a great semester!

Zolicia R. Abotsi  
Director, Office of Sponsored Programs and Research

Why must indirect costs be budgeted on a grant?

Indirect costs or Facilities and Administrative (F&A) costs are those costs that cannot be readily assigned to a specific cost objective such as a grant, contract, project. Some such costs are general administration; sponsored project administration expenses and facilities operation and maintenance expenses; costs the College incur.

Most federal agencies and other sponsoring organizations via an indirect cost rate agree to pay the university for the indirect costs that a grant or contract award would incur. When a sponsor does not pay indirect costs (has a 0% indirect cost rate), the college accrues expenses and thus is committing resources for which it will not be reimbursed.
NEW AWARDS

David Gruber - Dept. of Natural Science - Schmidt Ocean Institute - $195,077
“ROV - based 3D reality capture, specimen encapsulation, and tissue voucher sampling to explore and describe midwater biodiversity in the deep sea”

The ocean’s midwater is considered to be the largest habitable space for life on earth, yet it is also one of the most minimally explored marine environments. Collecting specimens in this region is incredibly challenging, as many open ocean species are quick, fragile, and small. Keeping a midwater animal alive for study at the surface is a difficult task due to changes in pressure or damage that may occur during collection. Prof. David Gruber and collaborators from Harvard University, University of Rhode Island and Monterey Bay Aquarium Research Institute are designing new methods to improve the way we collect and understand marine species. In August 2021, they led an expedition on the R/V Falkor (an oceanographic research vessel operated by the Schmidt Ocean Institute) to test a generation of technologies for ocean exploration. Understanding the baseline health of the midwater environment is especially important for discussions on international policy, management, and stewardship of the high seas. See details of this project at https://schmidtocean.org/cruise/designing-the-future-2/

Scott Newbert - N. P. Loomba Dept. of Management - Blackstone Charitable Foundation - $185,845
“Blackstone Launchpad”

Prof. Newbert, Lawrence N. Field Chair in Entrepreneurship secured a grant from the Blackstone Charitable Foundation. Blackstone LaunchPad works with higher education institutions to provide students access to mentors, fellowships, speakers, events, and competitions in order to help them build the skills necessary to succeed as founders or as contributors to the innovation economy. The Lawrence N. Field Center for Entrepreneurship will leverage Blackstone LaunchPad resources in order to amplify the scale and scope of our existing startup accelerator, speaker series, internship opportunities, co-curricular programming, and entrepreneurship courses. Blackstone LaunchPad events will be held virtually and in-person at the Lawrence N. Field Center for Entrepreneurship. The Campus Director for the Baruch LaunchPad is Dr. Christopher Meyer, the Larry and Eris Field Family Lecturer in Entrepreneurship.
NEW AWARDS

Deborah Balk – Marxe School of Public and International Affairs – National Science Foundation - $87,908

This project creates a data platform called HiSPLUS that describes the history of population and housing patterns in the United States from 1860 to 2020. Scientists can use this new platform to study the social, demographic, urban and environmental transformations experienced throughout the country over the past two centuries. The project brings together housing and land parcel records with building footprint and population data and transformed into publicly available data that can be used to describe the built environment and population at a very fine spatial and temporal resolution. The platform, available to everyone, makes possible new research on long-run changes in the U.S. population, land use, urban development, and transportation. This is a collaborative project of the University of Colorado Boulder (leading), the CUNY Institute for Demographic Research and the University of Minnesota IPUMS project.

Bohdan Kukharskyy - B. Wasserman Dept. of Economics & Finance - CUNY Junior Faculty Research Award In Science & Engineering (JFRASE)- $50,000

Bohdan Kukharskyy, Assistant Professor at the Economics and Finance Department, received the JFRASE award to advance his research on the propagation of shocks (such as natural disasters or Covid-19) through multinational firm networks and global supply chains. The goal of this research agenda is to provide recommendations to firm managers and policymakers on how to improve the resilience of companies and countries against global supply chain disruptions. The CUNY Junior Faculty Research Award in Science and Engineering program aims to cultivate excellence and ensure the promise of research-intensive, early career science and engineering faculty at CUNY. The award is given to CUNY tenure-track, junior faculty with the potential to make a significant contribution to the university, society, their academic field.

Congratulations to all the Awardees!
Submitted Proposals

<table>
<thead>
<tr>
<th>WEISSMAN SCHOOL OF ARTS AND SCIENCES</th>
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<tr>
<td><strong>Zachary Calamari</strong> - Dept. of Natural Sciences - NSF - $770,898</td>
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<tr>
<td>CAREER: Deciphering the origins and evolution of hoofed mammal cranial appendages through integrated gene expression, transcription regulation, and 3D shape analyses</td>
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<tr>
<td><strong>Allison Hahn</strong> - Dept. of Communication Studies - NSF - $515,289</td>
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<tr>
<td>CAREER: Conservation Risk and Deliberation via Information and Communication Technologies</td>
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<tr>
<td><strong>Steven Young</strong> - Dept. of Psychology - NSF - $149,009</td>
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<tr>
<td>Collaborative Research: Leveraging Motivational Trade-offs to Inform Effective Public Health Messaging</td>
</tr>
<tr>
<td><strong>Steven Young, Elizabeth Edenberg, &amp; Eric Mandelbaum</strong> - Depts. of Psychology and Philosophy - Facebook - $91,136</td>
</tr>
<tr>
<td>Argument Strength and Shared Values in Affective Polarization</td>
</tr>
<tr>
<td><strong>Myung-Koo Kang</strong> - Dept. of Political Science - Korea Foundation - $104,817</td>
</tr>
<tr>
<td>The Historical Origins of the Japan-Centered U.S. Asia Policy: Revising the San Francisco System in the 1950s</td>
</tr>
<tr>
<td><strong>Christopher Stults</strong> - Dept. of Psychology - NIH/Rutgers University - $72,597</td>
</tr>
<tr>
<td>A Community-Embedded Program to Increase PrEP Uptake, Persistence, and Adherence in Young Black and Latinx Sexual Minority Men in Newark, NJ</td>
</tr>
<tr>
<td><strong>Anna Boozer</strong> - Dept. of History - Cultural Protection Fund/University of Liverpool - $47,706</td>
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<tr>
<td>Carved in Sand</td>
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<tr>
<td><strong>Total Requested:</strong> $1,751,452</td>
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<tr>
<th>ZICKLIN SCHOOL OF BUSINESS</th>
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<tbody>
<tr>
<td><strong>Bert Wasserman</strong> Dept. of Economics &amp; Finance</td>
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<tr>
<td><strong>Sebastiano Manzan</strong> - NSF - $336,573</td>
</tr>
<tr>
<td>Monitoring the Economy with News Sentiment</td>
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<tr>
<td><strong>Total Requested:</strong> $336,573</td>
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</tbody>
</table>
Submitted Proposals cont’d

MARXE SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS

Deborah Balk - European Commission - $295,910  
*A Global Projection of Population by Degree of Urbanisation*

Deborah Balk - NASA/Indiana University - $174,732  
*Improving Multi-Hazard Ensemble Risk Models with the Inclusion of NASA Datasets.*

Don Waisanen - Con Edison Social & Behavioral Research Award - $35,000  
*Using Social Marketing to Motivate Gas Leak Reporting in New York City*

Na Yin - Social Security Administration/Michigan Retirement & Disability Research Center - $23,750  
*Tracking the Health Insurance Coverage, Household Income, and Poverty Status of Disability Applicants*

Total Requested: $529,392

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**PSC CUNY Cycle 53 Information**

The PSC CUNY Grants Proposal System is now open for submissions for Cycle 53.

The RFCUNY will be hosting virtual presentations on the below dates. These will be held over Go To Meetings. Email reminders will be sent approximately 2 weeks prior to the start of the Seminar. The reminder will include a link to the Go To Meeting.

- October 12th, 2021 at 2PM
- October 27th, 2021 at 2PM
- November 11th, 2021 at 2PM

Please contact Melisa Mendez at Melisa.Mendez@baruch.cuny.edu or Ana Alas at Ana.AlasIglesias@baruch.cuny.edu if you do not receive the email reminders or if you have any questions regarding the PSC CUNY Program.

**Things to Know**

- Forgotten or do not have an RF logon ID? Please email weblog-onid@rfcuny.org to obtain this information, and to gain access to the RFCUNY web pages and E-systems.

- For all equipment ordered with Research Foundation funds, please email SPAR at RFEquipmentOrder@Baruch.cuny.edu informing us of the equipment ordered.

- The percentage effort for a reassigned course when applying to research and/or sponsored funding has been changed to 16.67%. Further information and instructions on the current Release Time Policy can be found here.
RF Brown Bag Research Webinars

The RF’s Office of Award Pre-Proposal Support has announced a series of Brown Bag Research Webinars scheduled for the fall 2021 and spring 2022 semesters. **All Webinars run from 12:00 - 1:00 PM.** The complete list of planned webinars is available [here](#). Upcoming webinars are:

**September 22: NSF Graduate Research Fellowship program (GRFP)**
Target Audience: CUNY STEM Graduate Students.
Register [here](#)

**October 6: NIH Support for Research Excellence (SuRE) and SuRE First Grants**
SuRE awards provide research grant support for faculty investigators who have prior experience in leading externally funded independent research but are not currently funded by any NIH Research Project Grants. SuRE-First awards support research grants for faculty investigators who have not had prior independent external research grants. Register [here](#)

RF’s Fringe Benefits

The Research Foundation of CUNY provides a variety of fringe benefits to its employees, such as health insurance, unemployment, and workers’ compensation among other employee benefits. The cost of these benefits are expressed as a rate by employee class. Rates are determined by creating a pool of benefit costs for each employee class and dividing by the related salary base for the fiscal period. The current fringe benefits are the following:

<table>
<thead>
<tr>
<th>Benefit</th>
<th>Rate</th>
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<tr>
<td>Summer Salary</td>
<td>26.7%</td>
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<tr>
<td>Release time</td>
<td>51%</td>
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<tr>
<td>Full-time and Part-time A employees</td>
<td>38.0%</td>
</tr>
<tr>
<td>Part-time B employees</td>
<td>9.0%</td>
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</tbody>
</table>
Fall 2021 NSF Virtual Grants Conference

This virtual conference will be broadcast live on Zoom during the week of October 4-8, 2021. Registration is open! To register for this free event, visit our conference website.

Note: You will need to register for each Zoom session. Also, please only register for one concurrent session per time block. At the website you can also see the most up-to-date conference information and to view the conference agenda.

For those who cannot attend the live conference, all recorded conference sessions will be available on-demand shortly after the event and posted on our website and our YouTube page.

If you have any logistical questions about this virtual conference, please contact us at: grants_conference@nsf.gov

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CUNY Research Webinars and Writing Resources

The CUNY Office of Research launched a grant-writing and research resources web-page with videos of talks on NIH funding given by Associate Dean of Research at the School of Public Health, Michele Kiely, earlier this summer and other previous workshops organized by the Office of Research.

In this page you'll find:
- Fall 2020 and Spring 2021 Funding Friday’s webinars
- NSF Strategic Position Workshops
- NIH Grant Writing Workshop
- and more...

Fall 2021 NIH Virtual Seminar on Program Funding

The NIH is bringing back the NIH Virtual Seminar on Program Funding and Grants Administration directly to your computer! Mark your calendar for Monday, November 1 – Thursday, November 4!

This event is designed to demystify the NIH grant application, review, award and post-award processes and policies!

Register today and be sure to check out all the networking opportunities taking place during the seminar, including new ways to chat one on one with NIH and HHS experts, interact with attendees, and make the most of the seminar.

Here’s what to expect:
- Free registration! Yes, you read it right
- Four-day event with live sessions, as well as an on-demand video library
- Three concurrent sessions designed around grants policies and programs, including case studies and Q&As
- Live chat opportunities with NIH and HHS experts on the grants process, policies, and programs
- Downloadable resources from over 45 booths to reuse and/or share with others at your institution
Engage with SPAR with MS Teams

SPAR has adopted MS Teams to facilitate the interaction and support we provide to Baruch faculty, staff, and administrators. We ask that all faculty members and staff download and claim their MS Teams accounts at [CUNY Web Applications Login page](https://example.com), with your [CUNYFirst login ID](https://example.com) and [password](https://example.com) to be able to better engage with the Office of Sponsored Programs and Research. Need help? Find it [here](https://example.com).

MS Teams allows you to:

- View staff availability.
- Call any SPAR staff member directly via Teams voice call.
- Conference call an individual or multiple people inside CUNY.
- Send a quick question in Teams chat for an instant response.
- Screen share for walk-through assistance.

Teams also allows SPAR to create a real time centralized “Research Faculty” Team that will serve as a repository for guidance, workshops and research discussion topics.

Upon activation of your MS Teams account, SPAR will add you to this Team to allow you access.

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Dispelling the Myths

**There is No Money Available for My Discipline’s Research**

It is commonly believed that there are little to no external funds for projects other than science research. In reality external funds exist for all types of project ventures through federal agencies, state and local government, but mainly through foundations and nonprofit. This indeed means that the competition is fierce but not impossible. When pursuing a specific grant program, considering eligibility, funding amounts, and expected number of awards is pivotal. In addition, it is crucial to build relationships with a grant agency and make sure that your projects align with their mission. Once you are in the process of applying to a grant program, ensuring adherence to guidelines is a given. It means that at this stage investing time in the grant writing is more important than ever. The process of grant writing involves patience and perseverance and the appropriate time should be allowed to produce, prepare and submit high quality applications. Pivot Proquest and GrantForward are two grant search platforms that are available to the Baruch College community. Faculty, staff, and students can create an account and complete their profile in both grant search engines to find opportunities tailored to their own research and academic interest.
SPAR's guidelines for proposal submission requires that SPAR be informed of intentions to submit an application with enough time in advance of the funding agency’s deadline.

A complete and final proposal package, accompanied by all necessary School approvals must be received by the Office of Sponsored Programs and Research (SPAR) at least five (5) full business days prior to the sponsor’s due date (or, electronic submission due time). This is to ensure there is sufficient time for a thorough review prior to submission to the sponsoring agency.

The sponsor’s due date is defined as the date and time outlined by the sponsor in their RFP. In cases where Baruch College is a subcontractor/subaward, the sponsor’s due date will be determined by the submitting institution.

If Baruch College internal deadlines are not met and SPAR has insufficient time for minimal review, the proposal will not be submitted.

*Thorough review constitutes:
1. Discussion with the PI regarding project goals, budget alignment with said goals for maximization of project outcomes per the RFP.
2. Assessment for compliance with all Baruch College, CUNY and Federally required research compliance requirements applicable. i.e. IRB, IACUC, COI, RCR and Export Control.

**Minimal review constitutes:
1. Ensuring all proposal components are present and formatted per the RFP.
2. Proposal is in compliance with Baruch College, CUNY and Federally required research compliance requirements applicable. i.e. IRB, IACUC, COI, RCR and Export Control.

This policy will apply to all applications for external funding, regardless of funding source (federal and non-federal) or submission method.

SPAR asks that the engagement timeline shown below be followed to ensure that every proposal is of the highest quality for submission and potential success. The full grant proposal submission document can be found here.

<table>
<thead>
<tr>
<th>When to Contact SPAR (in Advance of Sponsor Deadline)</th>
<th>As soon as known or at least 10 Business Days before due date</th>
<th>5 Business Days</th>
<th>2 Business Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>What to send to SPAR?</td>
<td>• Notice/e-mail of intent to submit a proposal.</td>
<td>• Completed Internal Approval form.</td>
<td>• Final Application must be submitted with any revisions/recommendations requested by SPAR</td>
</tr>
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<td></td>
<td>• Funding Opportunity Announcement (FOA) link</td>
<td>• Compliance documents (COI, RCR, IRB, proof, where applicable)</td>
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<tr>
<td></td>
<td>• Complete Application Narrative &amp; all other technical components of proposal.</td>
<td>• Final Budget and Budget Narrative/Justification</td>
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Conflict of Interest (COI) Form and Training

Please remember to complete a Conflict of Interest form (COI) before submitting a research proposal. **NOTE: If you report a conflict, the supplemental form must be submitted simultaneously with the mandatory conflict of interest form.** The complete policy and procedures can be found CUNY Conflict of Interest. All investigators engaging in research related to any Public Health Service (PHS) funded grant or contract, Conflicts Committee members, and all CUNY College Conflicts Officers are required to complete the CITI training in Conflict of Interest (COI).

**Responsible Conduct of Research (RCR) Certificate**

All CUNY faculty, staff, postdoctoral scholars, graduate and undergraduate students involved in research are required to complete the CITI Program training for Responsible Conduct of Research (RCR). RCR training certificate will be valid for four years. CUNY researchers are required to take a refresher CITI RCR training course every four years. CUNY’s Policy on Training in Responsible Conduct of Research is available here. The RCR training can be accessed at CITIProgramRCR. Completed certificate must be sent to the Office of Sponsored Programs and Research at SPAR@baruch.cuny.edu. If you have any question, please contact us. **NOTE: SPAR cannot proceed with proposal submission if proof of Responsible Conduct of Research Certificate is not received.**

**Office of Research Compliance & Outreach**

Keisha Peterson is the Director of Research Compliance & Outreach. If you have questions regarding Baruch College’s Human Subjects Research Policies, Export Control, and IACUC contact Keisha Peterson at 646-312-2217 or keisha.peterson@baruch.cuny.edu

**Human Research Protection Program (HRPP)**

The CUNY Human Research Protection Program (HRPP) is responsible for the protection of the rights and welfare of human subjects in research projects conducted at CUNY or by CUNY faculty, staff and students and RF CUNY staff. The complete policies and procedure can be found at https://orco.baruch.cuny.edu/orcoreviewpolicy/.

**Export Control**

CUNY is committed to maintaining an open teaching and research environment that supports the global benefit of our academic and research endeavors. At the same time, the University remains equally committed to complying with export control regulations pertaining to the conduct of our research and the dissemination of its products. https://orco.baruch.cuny.edu/export_control/

**Institutional Animal Care and Use Committee (IACUC)**

Establishes College/School policies and procedures for the local animal program to ensure compliance with all applicable regulations.
GRANT OPPORTUNITIES

COVID-19 LINKS

FUNDING PROGRAM DEADLINES

ONGOING, 2021 | NIH COVID-19 Related Grant Opportunities (All)

ONGOING, 2021 | COVID-19 Relief Opportunities for CUNY Arts and Culture Faculty (Faculty)
Artists Rescue Trust: https://artistrescue.org/get-help/
Foundation for Contemporary Arts: https://foundationforcontemporaryarts.submittable.com/submit
Jazz Foundation of America: https://jazzfoundation.org/covid19fund/
The Actors Fund: https://actorsfund.org/am-i-eligible-help
Screen Actors Guild Foundation: https://sagaftra.foundation/assistance/disasterrelief/
American Society of Journalism and Authors: http://asja.org/For-Writers/WEAF
Authors League Fund: https://authorsleaguefund.org/

September 30, 2021 | Havard Radcliffe Institute Fellows Program (Faculty)

October 1, 2021 | Michaelson Philanthropies & Science Prize for Immunology (Faculty)

CUNY INTERNAL OPPORTUNITIES

PSC-CUNY Research Award Program

THE PSC CUNY RESEARCH AWARD PROGRAM SYSTEM FOR CYCLE 53 IS NOW OPEN!
The Professional Staff Congress-City University of New York (PSC-CUNY) Research Award Program was established as a major vehicle for the University's encouragement and support of faculty research and lever-age external funding. It seeks to enhance the University's role as a research institution, further the professional growth and development of its faculty, and provide support for both the established and the younger scholar. Awards are distributed by the University Committee on Research Awards, a faculty committee, and administered by the Research Foundation of CUNY. Preference is given to junior faculty in the allocation of funds. Applicants have the option to apply for Traditional A ($3,500 maximum), B ($6,000 maximum) or Enhanced awards ($12,000 maximum). NEW! If you are requesting re-assigned time in your budget, prior approval will be required before submitting the application. Please complete the attached internal approval form with the Dean's signature and return to the SPAR office. In addition Responsible Conduct of Research (RCR) certification must be valid for anyone submitting an application. Please note: Applicants are required to create an account in the electronic grant submission system prior to create a proposal. If you have any questions or need assistance please contact Melisa Mendez (Melisa.Mendez@baruch.cuny.edu).
Deadline: December 15, 2020 11PM
Proposal submission system: https://www.RFCUNY.org/gp/welcome.aspx
Russell Sage Foundation Grants

The Russell Sage Foundation (RSF) has long supported social science research with the aim of improving social and living conditions in the United States. Letters of inquiry are accepted under the following core programs and special initiatives:

**Social, Political and Economic Inequality (SPEI):** The Russell Sage Foundation seeks innovative investigator-initiated research that will expand our understanding of social, political, and economic inequalities and the mechanisms by which they influence the lives of individuals and families.

**Future of Work (FOW):** The Russell Sage Foundation will fund investigator-initiated research proposals that will broaden our understanding of the role of changes in employer practices, the nature of the labor market and public policies on employment, earnings, and job quality.

**Behavioral Economic (BE):** The Russell Sage Foundation's program on Behavioral Economics supports novel research that uses insights and methods from psychology, economics, sociology, political science and other social sciences to examine and improve social and living conditions in the United States. We seek investigator-initiated research proposals that will broaden our understanding of the social, economic and political consequences of actual behaviors and decisions.

**Deadline:** November 10, 2021 (LOI) 2PM ET

https://www.russellsage.org/how-to-apply

Alfred P. Sloan Foundation - Major Program Areas Grants

The Alfred P. Sloan Foundation major program areas. (1) **Sloan Research Fellowships** - Grants to support original, high-quality research in the natural sciences, engineering, and mathematics. (2) **STEM Research** - Grants to improve the quality and diversity of higher education in science, technology, engineering and mathematics. (3) **STEM Higher Education** - Grants to advance our understanding of science and technology through the use of books, radio, film, television, theater, and new media. (5) **Digital Information Technology.** (6) **Economics.** (7) **Energy and Environment** - Grants that support unique opportunities or projects that advance a significant interest related to the Foundation’s mission but not directly covered by other Foundation grant making programs. (9) **Civic Initiatives** - Grants for projects that benefit the New York City metropolitan area in ways consonant with the Foundation’s mission.

**Deadline:** Letters of Inquiry are accepted anytime

http://www.sloan.org/major-program-areas/
National Endowment for the Humanities Opportunities

Dialogues on the Experience of War
The Dialogues on the Experience of War program supports the study and discussion of important humanities sources about war, in the belief that these sources can help U.S. military veterans and others think more deeply about the issues raised by war and military service. Project teams should include humanities scholars, military veterans, and individuals with relevant experience.

**Deadline: October 14, 2021 5PM ET**
https://www.neh.gov/grants/education/dialogues-the-experience-war

Collaborative Research
Debate, exchange of ideas, and working together—all are basic activities that advance humanities knowledge and foster rich scholarship that would not be possible by researchers working on their own. The Collaborative Research program aims to advance humanistic knowledge through sustained collaboration between two or more scholars. Collaborators may be drawn from a single institution or several institutions across the United States; up to half of the collaborators may be based outside of the U.S. The program encourages projects that propose diverse approaches to topics, incorporate multiple points of view, and explore new avenues of inquiry in the humanities.

Proposed projects must aim to result in tangible and sustainable outcomes, for example, co-authored or multi-authored books; born-digital publications; themed issues of peer-reviewed journals; a series of peer-reviewed articles; and open-access scholarly digital resources. All project outcomes must incorporate interpretive work and collaboration to address significant humanities research questions.

**Deadline: December 1, 2021 5 PM ET**
https://www.neh.gov/grants/research/collaborative-research-grants

Scholarly Editions and Scholarly Translations
The Scholarly Editions and Scholarly Translations program provides grants to organizations to support collaborative teams who are editing, annotating, and translating foundational humanities texts that are vital to learning and research but are currently inaccessible or are available only in inadequate editions or translations. Typically, the texts are significant literary, philosophical, and historical materials, but other types of work, such as musical notation, may also be the subject of an edition.

**Deadline: December 1, 2021 5 PM ET**
NIH Opportunities
Research Project Grant (Parent R01)
The NIH Research Project Grant supports a discrete, specified, circumscribed project in scientific areas that represent the investigators’ specific interests and competencies and that fall within the mission of the participating NIH Institutes and Centers (ICs). The R01 is the original, and historically the oldest, grant mechanism used by the NIH to support health-related research and development. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

There are three companion opportunities to this Parent Announcement:
**Deadline: October 5, 2021 5 PM ET**

Small Research Grant Program (R03)
The NIH Small Research Grant Program supports discrete, well-defined projects that realistically can be completed in two years and that require limited levels of funding. This program supports different types of projects including, but not limited to, the following: Pilot or feasibility studies; Secondary analysis of existing data; Small, self-contained research projects; Development of research methodology; and Development of new research technology. Applications are assigned to participating Institutes and Centers (ICs) based on receipt and referral guidelines and applications may be assigned to multiple participating ICs with related research interests. Applicants are encouraged to identify a participating IC that supports their area of research via the R03 IC-Specific Scientific Interests and Contact website and contact Scientific/Research staff from relevant ICs to inquire about their interest in supporting the proposed research project.
**Deadline: October 16, 2021 5PM ET**

NIH Exploratory/Developmental Research Grant Program (Parent R21)
The evolution and vitality of the biomedical, behavioral, and clinical sciences require a constant infusion of new ideas, techniques, and points of view. These may differ substantially from current thinking or practice and may not yet be supported by substantial preliminary data. Through the NIH Exploratory/Developmental Research Grant Program, the NIH seeks to foster the introduction of novel scientific ideas, model systems, tools, agents, targets, and technologies that have the potential to substantially advance biomedical, behavioral, and clinical research. This program is intended to encourage new exploratory and developmental research projects. For example, such projects could assess the feasibility of a novel area of investigation or a new experimental system that has the potential to enhance health-related research. Another example could include the unique and innovative use of an existing methodology to explore a new scientific area. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.
**Deadline: October 26, 2021 5PM ET**
**NIH Opportunities**

**Academic Research Enhancement Award for Undergraduate-Focused Institutions (AREA) – R15**

AREA funds are intended to support new and renewal biomedical research projects proposed by faculty members of eligible institutions. **The three objectives of this FOA are:** (1) provide support for meritorious research at undergraduate-focused institutions or institutional components; (2) strengthen the research environment at these institutions/components; and (3) give undergraduate students an opportunity to gain significant biomedical research experience through active involvement in the research.

The AREA program will enable qualified scientists to receive support for small-scale research projects. It is anticipated that investigators supported under the AREA program will benefit from the opportunity to conduct independent research; that the grantee institution will benefit from a research environment strengthened through AREA grants; and that students at recipient institutions will benefit from exposure to and participation in scientific research in the biomedical sciences so that they consider careers in biomedical research. This program emphasizes the engagement and inclusion of undergraduates in research. The research project must involve undergraduate students and the research team must be composed primarily of undergraduate students. This is a research grant program, not a training or fellowship program, and, as such, applications should not include training plans such as didactic training or nonresearch activities relating to professional development. In all cases, the majority of students conducting research through the award must be undergraduates. Since diversity strengthens the research environment, AREA projects are encouraged to include students from diverse backgrounds, including those from groups underrepresented in the biomedical research workforce.

**Deadline:** October 25, 2021 5 PM ET


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**American Cancer Society - Institutional Research Grants**

Institutional Research Grants are block grants given to institutions as “seed money” for the initiation of projects by promising junior investigators. Awarded to institutions as block grants to provide seed money for newly independent investigators to initiate cancer research projects. The principal investigator of the grant should be a senior faculty member. Funding: 1 to 3 years, with an average of $120K/year, and may be renewed. More American Cancer Society grants: [https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant.html](https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant.html)

**Deadline:** October 15, 2021 & April 2022

[https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/institutional-research-grants.html](https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/institutional-research-grants.html)
**GRANT OPPORTUNITIES**

**Henry Luce Foundation - Higher Education Program**
The Higher Education Program welcomes excellent, innovative proposals from colleges and universities and the organizations that support them. The program encourages inquiries from institutions that are less well-resourced and/or that serve disadvantaged or marginalized communities. Higher education program grants have several characteristics: 1) They support projects in the humanities and qualitative social sciences, (There is one exception: projects that seek to support women or to increase the number of women in certain STEM fields are also eligible); 2) They support projects aimed at faculty and doctoral students; in general, projects aimed primarily at undergraduates will not be supported; 3) They support team-based projects or institutional initiatives rather than purely individual research projects; such projects or initiatives will seek to have broader impact—on a field or on the sector; 4) The projects they support will not only produce new knowledge but will also model new approaches to the production, dissemination and application of knowledge. Applications must be submitted through the Foundation's online portal. For questions in advance of completing and submitting the Letter of Inquiry, you may e-mail Mr. Sean Buffington, Program Director for Higher Education at buffington@hluce.org

**Deadline: Letters of Inquiry are accepted any time**
https://www.hluce.org/programs/higher-education/

To read more about the Foundation's other programs visit https://www.hluce.org/programs/

**Simons Investigators in Mathematics, Physics, Astrophysics and Computer Science**
The Simons Investigators program aims to provide a stable base of support for outstanding theoretical midcareer scientists, enabling them to undertake long-term investigations of fundamental questions in their fields. The intent of the program is to support these scientists in their most productive years, when they are establishing new research directions, providing leadership in the field and effectively mentoring junior scientists. The Simons Foundation's Mathematics and Physical Sciences division invites nominations for Simons Investigators in Mathematics, Physics, Astrophysics and Computer Science. Within the Physics program, the foundation also invites nominations for Theoretical Physics in Life Sciences Investigators.

**Deadline: October 20, 2021 (Nominations)**
https://www.simonsfoundation.org/simons-investigator-program-nominations/

**W. M. Keck Foundation - Research Program**
The Research Program seeks to benefit humanity by supporting projects in two specific areas (1) medical research and (2) science and engineering, that are distinctive and novel in their approach, question the prevailing paradigm, or have the potential to break open new territory in their field. Past grants have been awarded to major universities, independent research institutions, and medical schools to support pioneering biological and physical science research and engineering, including the development of new technologies, instrumentation or methodologies.

**Deadline: June Cycle: November 1, 2021 (Application); February 15, 2022 (Full Proposal)**
http://www.wmkeck.org/grant-programs/research
**NSF Grants**

Racial Equity in STEM Education

Persistent racial injustices and inequalities in the United States have led to renewed concern and interest in addressing systemic racism. The National Science Foundation (NSF) Directorate for Education and Human Resources (EHR) seeks to support bold, ground breaking, and potentially transformative projects addressing systemic racism in STEM. Proposals should advance racial equity in science, technology, engineering, and mathematics (STEM) education and workforce development through research (both fundamental and applied) and practice. Core to this funding opportunity is that proposals are led by, or developed and led in authentic partnership with, individuals and communities most impacted by the inequities caused by systemic racism. The voices, knowledge, and experiences of those who have been impacted by enduring racial inequities should be at the center of these proposals, including in, for example: project leadership and research positions, conceptualization of the proposal, decision-making processes, and the interpretation and dissemination of evidence and research results. The proposed work should provide positive outcomes for the individuals and communities engaged and should recognize peoples’ humanity, experiences, and resilience. Proposals need to consider systemic barriers to opportunities and benefits, and how these barriers impact access to, retention in, and success in STEM education, research, and workforce development.

**Deadline:** October 12, 2021 5 PM ET


**Analysis**

The Analysis Program supports research in analysis. Areas of current activity include complex, harmonic, and real analysis; dynamical systems and ergodic theory; functional analysis; mathematical physics; operator theory and operator algebras; partial differential equations and calculus of variations.

**Deadline:** September 30, 2021 5 PM ET


**NSF Division of Chemistry: Disciplinary Research Programs (CHE-DRP)**

This solicitation applies to nine CHE Disciplinary Chemistry Research Programs: Chemical Measurement and Imaging (CMI); Models and Computational Methods (CTMC); Chemistry of Life Processes (CLP); Environmental Chemical Sciences (ECS); and Macromolecular, Supramolecular and Nanochemistry (MSN). CHE supports a large and vibrant research community engaged in fundamental discovery, invention, and innovation in the chemical sciences. The projects supported by CHE explore the frontiers of chemical science, develop the foundations for future technologies and industries that meet changing societal needs, and prepare the next generation of chemical researchers.

**Deadline:** November 1, 2021 5 PM ET

GRANT OPPORTUNITIES

**NSF Grants**

Reproducible Cells and Organoids via Directed- Differentiation Encoding (RECODE)

The National Science Foundation (NSF) Divisions of Chemical, Bioengineering, Environmental and Transport Systems (CBET), Integrative and Organismal Systems (IOS), Molecular and Cellular Biosciences (MCB), and Civil, Mechanical, and Manufacturing Innovation (CMMI) seek proposals that elucidate mechanisms of, and develop strategies to, direct the differentiation of undifferentiated cells into mature, functional cells or organoids. Projects responsive to this solicitation must aim to establish a robustly validated and reproducible set of differentiation design rules, mechanistic models, real-time sensing, control, and quality assurance methods, and integrate them into a workable differentiation strategy. They must also deepen our fundamental understanding of how cells develop and differentiate, to provide insights into mechanisms, molecular machinery, dynamics, and the interplay between cells and their environment, such as cell-cell/cell-microbe and cell-extracellular matrix (ECM) interactions and use this understanding to manipulate cells purposefully. Investigators can choose any undifferentiated cell type from any animal species, including human cell types, as a starting point and choose any appropriate functional product (cell, organoid, etc.) with real-world relevance. The use of non-model systems (e.g., non-human or non-murine systems) is encouraged as is the exploration of non-medical targets. Functional products can span a diverse range of systems (cardiovascular, nervous, immune, etc.). The RECODE program aligns with NSF’s commitment to the development of capabilities in biotechnology that advance the U.S. Bioeconomy.

Collaborative proposals, of a duration up to 4 years, with budgets up to $1,500,000 total will be considered. Proposed budgets must be justified by the project scope and need for complementary expertise. The solicitation will support teams of three or more PI/co-PIs and senior personnel with complementary expertise.

**Deadline:** November 22, 2021 5PM ET (Preliminary proposal); March 31, 2022 5PM ET (Full proposal)


**Applied Mathematics**

The Applied Mathematics program supports mathematics research motivated by or having an effect on problems arising in science and engineering. Mathematical merit and novelty, as well as breadth and quality of impact on applications, are important factors. Proposals to develop critical mathematical techniques from individual investigators as well as from interdisciplinary teams are encouraged.

**Deadline:** November 15, 2021 5PM ET

**NSF Grants**

**Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science (SCH)**

The purpose of this interagency program solicitation is to support the development of transformative high-risk, high-reward advances in computer and information science, engineering, mathematics, statistics, behavioral and/or cognitive research to address pressing questions in the biomedical and public health communities. Transformations hinge on scientific and engineering innovations by interdisciplinary teams that develop novel methods to intuitively and intelligently collect, sense, connect, analyze and interpret data from individuals, devices and systems to enable discovery and optimize health. Solutions to these complex biomedical or public health problems demand the formation of interdisciplinary teams that are ready to address these issues, while advancing fundamental science and engineering.

**Deadline: November 10, 2021 5PM ET**


**Ecology and Evolution of Infectious Diseases (EEID)**

The multi-agency Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, organismal, and social drivers that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be the quantitative or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease (re)emergence and transmission and testing mathematical or computational models that elucidate infectious disease systems. Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies. They should focus on the determinants and interactions of (re)emergence and transmission among any host species, including but not limited to humans, non-human animals, and/or plants. This includes, for example, the spread of pathogens; the influence of environmental factors such as climate; the population dynamics and genetics of vectors and reservoir species or hosts; how the physiology or behavior of the pathogen, vector, or host species biology affects transmission dynamics; the feedback between ecological transmission and evolutionary dynamics; and the cultural, social, behavioral, and economic dimensions of pathogen transmission and disease. Research may be on zoonotic, environmentally-borne, vector-borne, enteric, or respiratory pathogens of either terrestrial or aquatic systems and organisms, including diseases of animals and plants, at any scale from specific pathogens to inclusive environmental systems. Proposals for research on disease systems of public health concern to Low- or Middle-Income Countries (LMICs) are strongly encouraged, as are disease systems of concern in agricultural systems. Investigators are encouraged to develop the appropriate multidisciplinary team, including for example, anthropologists, modelers, ecologists, bioinformaticians, genomics researchers, social scientists, economists, oceanographers, mathematical scientists, behaviorists, epidemiologists, evolutionary biologists, entomologists, immunologists, parasitologists, microbiologists, bacteriologists, virologists, pathologists or veterinarians, with the goal of integrating knowledge across disciplines to enhance our ability to predict and control infectious diseases.

**Deadline: November 24, 2021 5 PM ET**

NSF Grants
Geometric Analysis
The program in Geometric Analysis supports research on differential geometry and its relation to partial
differential equations and variational principles; aspects of global analysis, including the differential geometry
of complex manifolds and geometric Lie group theory; geometric methods in modern mathematical physics;
and geometry of convex sets, integral geometry, and related geometric topics.
Deadline: November 2, 2021 5PM ET
https://beta.nsf.gov/funding/opportunities/geometric-analysis

Computational Mathematics
Supports mathematical research in areas where computation plays a central and essential role, emphasizing
analysis, development, and implementation of theoretically justified and efficient algorithms. The combination
of these elements resulting in innovative computational methods is a hallmark of the program. Proposals
ranging from single investigator to interdisciplinary team projects that not only create and analyze new
computational mathematics techniques but also implement them to model, study, and solve important
application problems are strongly encouraged, as is providing opportunities for rigorous mathematical
training of junior computational mathematicians through research involvement.
Deadline: December 1, 2021 5PM ET
https://beta.nsf.gov/funding/opportunities/computational-mathematics

EHR Core Research - Resource Coordination Hub (ECR Hub)
NSF seeks proposals to create an EHR Core Research (ECR) Resource Coordination Hub (ECR Hub)
that will be an intellectual partner to the ECR:Core and the ECR Building Capacity in STEM Education
Research (ECR:BCSER) grantee communities and the NSF to enhance the overall influence and reach of
ECR science, technology, engineering, and mathematics (STEM) education research investments. The ECR
Hub will be expected to work collaboratively with NSF and the ECR:Core and ECR:BCSER communities
to design, implement, and execute its activities and ensure the inclusion of diverse researchers representing
the full range of our nation's talent pool, of eligible institutions and organizations and of STEM education
research and disciplines funded by ECR. As part of the ECR Program, ECR:Core and ECR:BCSER
have multidisciplinary portfolios with research projects from investigators representing a broad range of
disciplinary backgrounds and approaches.
The ECR Hub will: support communication among the current and past ECR:Core and ECR:BCSER
awardees, prospective awardees, and others doing STEM education research or using STEM education
research results; build community and research networks and outreach to new potential researchers and
stakeholders; facilitate information and resource sharing among stakeholders; increase visibility and diffusion
of research results from ECR awardees to other stakeholders; and strategically convene stakeholders and
coordinate with other NSF resource hubs and centers.
Deadline: December 1, 2021 5PM ET
**NSF Grants**

NSF-Simons Collaboration on a National Institute for Theory and Mathematics in Biology (NITMB)

The purpose of the NSF-Simons Collaboration on a National Institute for Theory and Mathematics in Biology (NITMB) is to support a research institute to enable innovative research at the intersection of mathematical and biological sciences to facilitate new developments of biology-inspired mathematical theories, methodologies, and innovative modeling approaches to advance the understanding of challenging biological problems. The institute should promote interdisciplinary education and workforce training between these two disciplines. The National Science Foundation Directorates for Mathematical and Physical Sciences (NSF/MPS) and for Biological Sciences (NSF/BIO) and the Simons Foundation Division of Mathematics and Physical Sciences (SF/MPS) shall jointly sponsor a new research institute to facilitate collaborations among groups of mathematicians (including statisticians and computational scientists) and biologists. Research activities conducted at the institute should be focused on emerging and important topics at the interface of the mathematical and biological sciences, with the expectation to develop new mathematical methodologies inspired by biological problems.

**Deadline:** December 1, 2021 5PM ET (Preliminary Proposal); July 18, 2022 5PM ET (Full Proposal, by invitation only)


**The Nathan Cummings Foundation**

The Foundation will address climate change as a consequence of progress in human development and economic prosperity, and will fund promising work that helps activate American ingenuity in pursuit of three interrelated goals: increasing access to modern energy for the world’s poor; stabilizing greenhouse gas concentrations in the atmosphere at a low level; and improving resilience for those most vulnerable to the negative consequences of climate variability and change.

**Deadline:** Applications accepted anytime.

http://ncf.org/how-apply

**Andrew Mellon Foundation**

The Andrew W. Mellon Foundation believes that the arts and humanities are where we express our complex humanity, and we believe that everyone deserves the beauty, transcendence, and freedom to be found there. Through our grants, we seek to build just communities enriched by meaning and empowered by critical thinking, where ideas and imagination can thrive. The Foundation offers the following programs:

- **Higher Learning:** Higher Learning supports inclusive humanities education and diverse learning environments—spaces where the ideas that enrich our understanding of a complex world are created and elevated. [https://mellon.org/programs/higher-learning/](https://mellon.org/programs/higher-learning/)
Andrew Mellon Foundation cont’d

- **Arts & Culture:** Arts and Culture celebrates the transcendent power of the arts to challenge, activate, and nourish the human spirit. We support exceptional creative practice, scholarship, and conservation of arts and culture, while nurturing a representative and robust arts and culture ecosystem. [https://mellon.org/programs/arts-and-culture/](https://mellon.org/programs/arts-and-culture/)

- **Public Knowledge:** Public Knowledge supports the creation and preservation of our cultural record—the vast and ever-growing historical archive that helps us explore and better understand our intertwined humanity. Our goal is to increase equitable access to deep knowledge—from scholarly texts to community collections—that helps build an informed, culturally diverse, and civically engaged society. [https://mellon.org/programs/public-knowledge/](https://mellon.org/programs/public-knowledge/)

- **Humanities in Place:** Humanities in Place supports a fuller, more complex telling of American histories and lived experiences by deepening the range of how and where our stories are told and by bringing a wider variety of voices into the public dialogue. [https://mellon.org/programs/humanities-place/](https://mellon.org/programs/humanities-place/)