The University of Mississippi



UNDERGRADUATE RESEARCH @UM

ORSP INFORMATION SESSIONS

WINTER 2020

Today



- Introductions
- UM-SURE Summer Undergraduate Research Experience
- UM Undergraduate Research Travel Grants
- Examples of UGR Programs on the Oxford Campus
- Finding UM Faculty Mentors for Undergraduate Research
- UM UG Research Journal
- Searching for External UGR Funding Opportunities with PIVOT
- Questions/Discussion

UM Call for Proposals



http://research.olemiss.edu/ugresearch2020

- Track 1: Student Undergraduate Research Fellowship
 - Student initiated, faculty mentored, summer research projects
- Track 2: Summer Undergraduate Research Group Grants
 - Faculty initiated pilot programs for mentored summer research experiences for undergraduates; should lead to a competitive external funding proposal for program expansion and sustainment.
- Track 3: Undergraduate Travel Grants
 - Student initiated grants to defray cost of UM students travelling to presenting results of UG research or creative scholarship.

This track is for applications from undergraduate students to conduct mentored research or creative scholarship projects on the Oxford campus in Summer 2020.

Applications are sought from currently enrolled UM freshmen, sophomores, juniors, and not-yet-graduating seniors from a broad range of backgrounds, disciplines, and program affiliations.

Competitive applications will propose an experience in which the **student makes a substantial independent contribution**, and that will produce a **significant finished product** for the student by December 2020.

For instance, authorship on a publishable manuscript, or the production or presentation of a creative work.

SURF Fellows will conduct projects during a 10-week experience from May 26 to July 31, 2020, for which they will receive a taxable \$3,000 participation stipend payable in five or six semi-monthly installments throughout the 10 weeks.

UM Faculty Mentors on 9-month contracts without other summer support may also receive a \$1,000 mentorship stipend, if budgeted.

Applications may request up to \$500 to cover additional expenses required to complete the project. Thus, the max budget for each application is \$4,500: \$3,000 + \$1,000 + \$500.

SURF Applications should be developed and submitted by students in close consultation with their prospective faculty mentors, and must include:

Student Name, E-mail Address, Phone Number, current Classification, Program

Faculty Mentor Name, Department, and E-mail.

Departmental Chair Name and E-mail.

Project Name

Track 1: Application Instructions



Project Description (max 1,000 words).

Describe the scholarly project and the activities in which the student will be engaged to carry out the project. If the summer project is related to a larger piece of work such as a senior thesis, the description should address the role of the summer component in the larger project.

Track 1: Application Instructions



Role of the Project in contributing to the student's broader academic or professional goals, as well as in expanding and diversifying undergraduate research and creative scholarship at UM.

Timeline for completion of the summer project and the anticipated final product (e.g., publishable manuscript, conference presentation, creative piece or performance, etc.).

Budget A concise description of each anticipated project costs, and why each is needed.

Track 1: Faculty/Mentor Endorsement



Upon submission of the application by the student, the faculty/mentor will receive an e-mail prompt to fill out and submit, within one week, a confidential endorsement form via the portal. The endorsement form, downloadable from http://ugr.olemiss.edu/support/, will require:

A **brief description of the scholarly proj**ect and both the mentor's and the student's roles in designing the project and in carrying it out.

An assessment of the student's ability to complete the work.

Track 1: Faculty/Mentor Endorsement



A description of the **nature of the mentoring relationship** planned for the student during the funded period. If the mentor is already supervising the student, the endorsement should include a description of the mentoring activities to date, and plans to develop or continue these activities during the funded period.

A description of the **final product** of the scholarly activity (e.g., publishable manuscript, research presentation, creative piece or performance).

A comment on the expense budget—including a confirmation that the project can be completed within the 10-week timeframe with the estimated budget.

Track 1: Evaluation and Funding



SURF proposals will be evaluated by UM faculty volunteers recruited by ORSP, and scored based on the quality of the written proposal, the clarity of the plan/achievability of results, the student's expected independent contribution, the strength of the faculty/mentor's endorsement; and the extent to which the project will contribute to the program goal of expanding undergraduate participation in research and creative scholarship.

Funding decisions will be made based on the application scores, the diversity of disciplines represented, and the availability of funding.

We anticipate funding five Track 1 awards in 2020.

Track 1: Student Expectations



Students awarded these fellowships (SURF Fellows) are expected to **be present and engaged** in their projects for the full 10-week program period (except for weekends and university holidays) with their mentors also present to guide them on the project.

Each SURF Fellow may also have the opportunity to participate with other SURF Fellows in some UM-SURE programmatic activities (e.g., training sessions, networking sessions) to be scheduled during the summer.

All SURF Fellows are required to give a presentation on their project at the UM Summer Undergraduate Research Symposium on July 31, 2020.

Track 1: Student Expectations



At the conclusion of the fellowship, each SURF Fellow will complete the Survey of Undergraduate Research Experiences assessment (DOI: 10.1187/cbe.07–06–0039), and submit an initial program report by August 31, 2020, a subsequent program report by January 31, 2021, and a final program report by March 30, 2021.

In addition, SURF Fellows may be asked to participate in other oncampus research symposia, and/or news releases about the program or their individual projects.

Track 3: Undergraduate Travel Grants



Undergraduates may request up to \$500 in funding to defray travel costs associated with presenting the products of their original research or creative scholarship at regional or national conferences.

These travel grants are designed to provide undergraduate students with the valuable opportunity to present their research and scholarship and more fully integrate with the community of scholars in their field.

Track 3: Funding



We anticipate awarding 15 undergraduate travel grants in 2020. Award decisions will be made within two weeks of application.

In order to ensure the broadest possible participation, a maximum of one award will be provided per undergraduate degree program in 2020.

Where multiple students are co-presenting the same paper, or are presenting different papers at the same conference, they may submit a combined application for up to \$1,000 to be split among the presenting students.

Track 3: Applications



A detailed Travel Budget and Schedule

Evidence of Co-funding from other sources, if necessary, to cover any costs over the requested grant amount.

High-res Student(s) Head Shot Photo, to be used in UM news or web stories. If multiple students are traveling to co-present on this research, the photo should be of the group, and need not just be a head shot.

Short Student(s) Bio (< 125 words per student), suitable for displaying on a public-facing web page if awarded for the grant, including home town information.

Track 3: Application Components



Student Name, Program, Classification, E-mail, Phone Number.

Title of Accepted Paper

Conference or Meeting to attend

Presentation Abstract, in laymen's terms

Full Citation Information of accepted paper (if known)

Date of Presentation

Confirmation of Acceptance of paper(s) at a research conference.

Track 3: Application Components



Name and E-mail Address of UM Research Advisor/Mentor

Name and E-mail Address of the Chair of the student's home department. Students with undeclared majors can instead provide the Chair of the department of their mentor.

Name and E-mail Address of Departmental Point of Contact—the person to advise student on navigating the UM travel authorization & reimbursement process and/or manage the student's grand funds. This may or may not be Research Advisor/Mentor.

Track 3: Application Components



A detailed Travel Budget and Schedule

Evidence of Co-funding from other sources, if necessary, to cover any costs over the requested grant amount.

High-res Student(s) Head Shot Photo, to be used in UM news or web stories. If multiple students are traveling to co-present on this research, the photo should be of the group, and need not just be a head shot.

Short Student(s) Bio (< 125 words per student), suitable for displaying on a public-facing web page if awarded for the grant, including home town information.

Track 3: Chair and FinAid



The faculty mentor, departmental point of contact (if different from mentor), and departmental chair will each receive an e-mail prompt from the InfoReady Review Portal to endorse the application before it will be considered for funding.

NOTE: Undergraduate Research Travel Grants will be reported to the UM Office of Financial Aid. Students already receiving financial aid should make an appointment with Ms. Cindy May in the UM Office of Financial Aid to discuss whether such a travel grant will jeopardize their total 2019-20 aid package.

FAQ



Q: Can UM professional students apply for Travel Grants?

A: Yes, if they were undergraduates at UM at the time they did the research.

Q: Are UM seniors eligible to apply for Summer Research Fellowships?

A: Yes, if they will not be graduating until at least Dec 18.

Q: For Track 1 or Track 2 proposals, can mentor's stipend be used for something besides summer salary?

A: Yes, we will consider other uses for these funds.

Q: Can this program be used to fund existing programs?

A: To expand them or bridge them maybe. But not to replace other UM funding already available.

Example UM UGR programs







Home Faculty **Publications** Calendar

NSF REU Site

NSF EPSCoR

Ole Miss Chemistry Summer Research Program

Photo Album

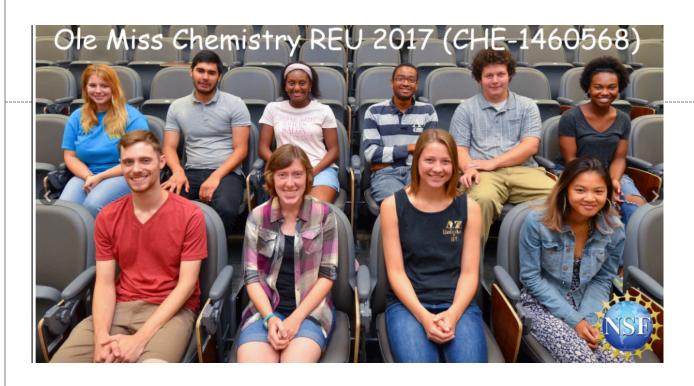
Welcome to Summer Chemistry Research at the University of Mississippi

The Ole Miss Chemistry Summer Research Program is supported by an NSF Research Experiences for Undergraduates (REU) site (CHE-1156713, CHE-1460568 and CHE-1757888), the NSF Experimental Program to Stimulate Competitive Research (EPSCoR), including EPSCoR Track 2 (OIA-1539035) and Track 1 (EPS-0132618, EPS-0903787, and OIA-1757220) awards, and single investigator awards, including NSF CHE-0955550, CHE-0957317, CHE-1455167, and various NASA and NIH awards.

The goals of the program are to:

- 1. Offer directed research opportunities during the summer to undergraduate and high school students.
- 2. Provide training in the form of lectures and mini-courses from the faculty.
- 3. Offer opportunities for students to learn how theory and experiment work together.
- 4. Allow students (high school, undergraduate, and graduate) to present research talks (20 to 40 min) to a large (50+) peer audience.
- 5. Develop a student cohort through social activities to help promote chemistry as a viable career option for undergraduate students.

To apply to our NSF REU Program, click on "NSF REU Site" on the Menu above, and then "Application & Key Dates".





Henry E. Bass Basic Acoustics Summer School scheduled at UMiss

The Henry E. Bass Basic Acoustics Summer School (BASS) brings undergraduate students, distinguished Research Scientists of the National Center for Physical Acoustics (NCPA) and Discussion Leaders together to explore a wide variety of topics in physical acoustics and engineering. BASS will give students opportunities to do research directed by experts, exploring topics that are not ordinarily encountered in the undergraduate experience.

The focus of BASS is on intermediate and advanced undergraduate students (must have completed sophomore year). A limited number of undergraduate students will be selected. Each student will be assigned a research advisor and a research topic for the program. The student will work in the lab, attend organized lectures, and participate in discussion groups.

Participants provide their own transportation to and from The University of Mississippi. There is no registration fee. Participants will receive a \$3,000 stipend and dormitory housing, if needed.

The Program will be held June 3, 2019 to July 26, 2019. Program information will be provided to all those who request the application form. Complete applications for the 2019 BASS must be received no later than March 1, 2019.

Application forms may be requested from this link: **BASS 2019 Application**, The application and four required attachments must be emailed to **mbp@olemiss.edu**. The deadline for submission is March 1, 2019. Please see **https://ncpa.olemiss.edu/bass-2019/** for more details.

UM Science, Technology, Engineering and Math Summer Research Experience for Undergraduates (STEMS REU) Program

The objective of the program is to provide educational science research opportunities at the University of Mississippi to undergraduate students who are seeking research experiences and considering a career in research or academia.

Eligibility: All UM and non-UM undergraduate students

Selection: Applicants rank-order the sponsoring faculty's labs they wish to join (Drs. Wei-Yin Chen, Nikki Reinemann, Likun Zhang, Erik Hom, Kristie Willett, David Colby, Nicole Ashpole, Cole Stevens, Jason Paris, Sudeshna Roy, or Hoang Le). The sponsoring faculty consider the applicants' rankings and select students from the application pool that fit best to a specific research project in their labs. If a student is selected by more than one lab, the Program Director will make the final decision on the lab the student will join, and the other sponsoring faculty will have another chance to select a different student from the applicant pool.

Duration: 10 weeks (40 h/week) of education, networking, and research activities

Stipend: \$3,000 The stipend, averaging \$7.50 per hour, is intended to be used to offset the living cost of students participating in the program. Please note that the total living cost in the summer in Oxford, MS might be more than the stipend. Funding for the stipend will come from the sponsoring faculty's research funds. The sponsoring faculty will also provide \$100 per student to fund the extracurricular activities portion of the program. Research-related and lab-related costs will be covered by the sponsoring faculty. Please note that participating students are not allowed to take courses at UM for the duration of the program.

Pharmacy Summer Research Fellowship Program

• Contact: Dr. Kris Harrell (kharrell@olemiss.edu)



Student E-mail

Faculty/Staff E-mail

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UM Experiential Learning in Eastern Asia







Eastern Asia Summer Internship Program

UM Experiential Learning in Eastern Asia is supported by a grant from the Freeman Foundation, of Honolulu, Hawaii, by the University of Mississippi Office of Global Engagement, and by the applicants' respective schools to intern in an Eastern Asian country during summer 2020. Grantees will receive \$7,500 to advance their career goals and gain professional experience by interning full-time for at least eight weeks.

The Mission of the Freeman Foundation and the Purpose of the Grants

Established in 1994 by the estate of AIG cofounder Mansfield Freeman, the mission of the Freeman Foundation is "to strengthen the bonds of friendship between this country and those of the Far East; to develop a greater appreciation of [East Asian] cultures in this country and a better understanding of American institutions in and purposes on the part of the

Sunflower County Freedom Project

The Freedom Project is an independent non-profit organization dedicated to educational excellence and leadership development in Mississippi with three locations in Sunflower County (est 1998), Meridian (est 2013), and Rosedale (est 2016). We use the history and spirit of the 1960s freedom struggle to motivate young people to become capable and compassionate leaders in their communities.

The Freedom Project is looking for entrepreneurial, ambitious, and independent college students who have a desire to teach and mentor 7-9th graders during our Summer Freedom School.

Our interns thrive in a fast-paced environment, have a strong work ethic, and are passionate about learning from our students and developing leaders in the Mississippi Delta.

9-Week Summer Internship includes two distinct opportunities:

Teacher-Advisor:

- · 1 week of intensive civil rights and teaching training
- · 5 weeks of teaching academic classes and electives
- · Leading students in fitness
- · 1 week helping facilitate "college camp" at University of Mississippi
- 1 week co-leading camping trips to civil rights sites in the south.

Media and Logistics:

- · 1 week of intensive civil rights and organizational onboarding
- · 5 weeks of documenting Freedom Summer programming and producing promotional media for the SCFP.
- Mentoring Freedom Fellows
- · Documenting our 2 weeks of camping trips to civil rights sites and our week at the University of Mississippi.
- · Creating year-round media for the SCFP social media pages and for fundraising purposes.

NASA Student Internships, Fellowships



NASA STEM Engagement

Finding External Opportunities

- UM's COS/Pivot Subscription
- https://pivot.proquest.com/

Finding UM Faculty Mentors for UGR







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Home > Research and Sponsored Programs, Office of > University of Mississippi Undergraduate Research Journal

The University of Mississippi Undergraduate Research Journal (UMURJ) is a yearly double-blind, peer-reviewed publication of research articles written by University undergraduate students from all disciplines. UMURJ serves as both a technical and non-technical research journal and provides University of Mississippi undergraduates the opportunity to experience the review and publication process, firsthand.

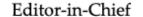
The mission of UMURJ is to serve as an outlet to showcase undergraduates academic achievements and honor those endeavors.

Current Volume: Volume 3 (2019)

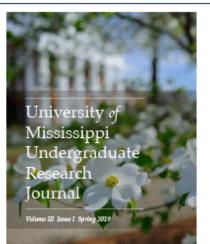
Articles

A PDF

Syrian Crisis Representation in The Media: The CNN Effect, Framing, and Tone Savannah S. Day



Chad Gutierrez - Editor-in-Chief

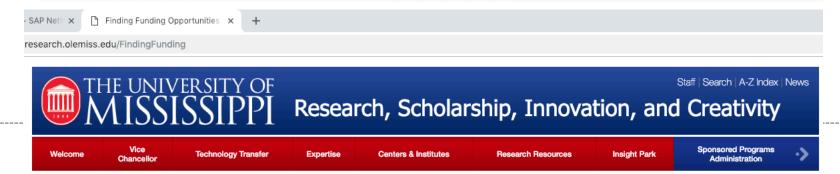


COS/Pivot Demonstration



- The first time click "signup" to sign up for your account
- Use your @go.olemiss.edu e-mail address
- Select a password—this is NOT the same as your
 WebId password

COS/Pivot Demonstration



Finding Funding Opportunities

Serveral institutional resources are available to support faculty seeking funding opportuniities for their research, educational, or other scholarly projects.

ORSP invests between \$20K and \$25K a year to maintain an annual subscription to **PIVOT**, a large, searchable, and user-customizable database of funding opportunities in the arts, commerce and industry, education, humanities, health, and sciences. Faculty can set up their profiles to search for funding opportunities that match their interests. These profiles can be saved and easily, manually re-run as often as the faculty member likes, or they can be set up to run automatically every week and to e-mail the new "hits" to the faculty member. Either way, PIVOT is an efficient and accurate method to find funding prospects. It does require an hour or two to set up your profile the first time, and ORSP is happy to train and assist faculty in setting up their profiles.

Click on https://pivot.cos.com/funding/search to get started searching for funding opportunities. More info about the UM PIVOT subscription is available here: https://www.research.olemiss.edu/proposal-development/cos_temp. ORSP offers serveral PIVOT workshops each semester, and can also provide these workshops "on-demand" for your department or unit. To view the upcoming training schedule and sign up for a PIVOT workshop, click http://www.research.olemiss.edu/upcoming-presentations. To request a workshop on-demand, e-mail research@olemiss.edu.

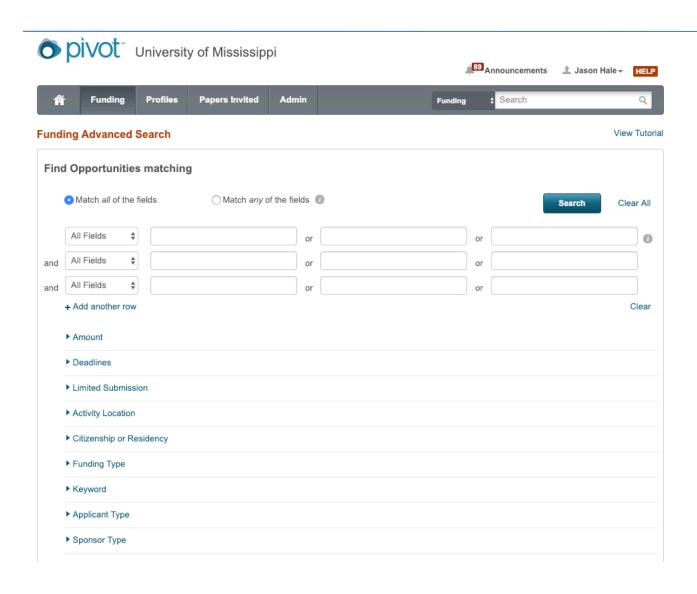
The College of Liberal Arts has secured permission to link to an Ohio State University curated **spreadsheet of many funding opportunities.** To browse this excellent resource, see http://libarts.olemiss.edu/research-resources/, and click on "External Funding Sources Hosted by OSU".

Most funding agencies have websites and listserves through which you can learn about their specific funding opportunities. These pages/lists are easy to find with Web searches. Following are just a few:

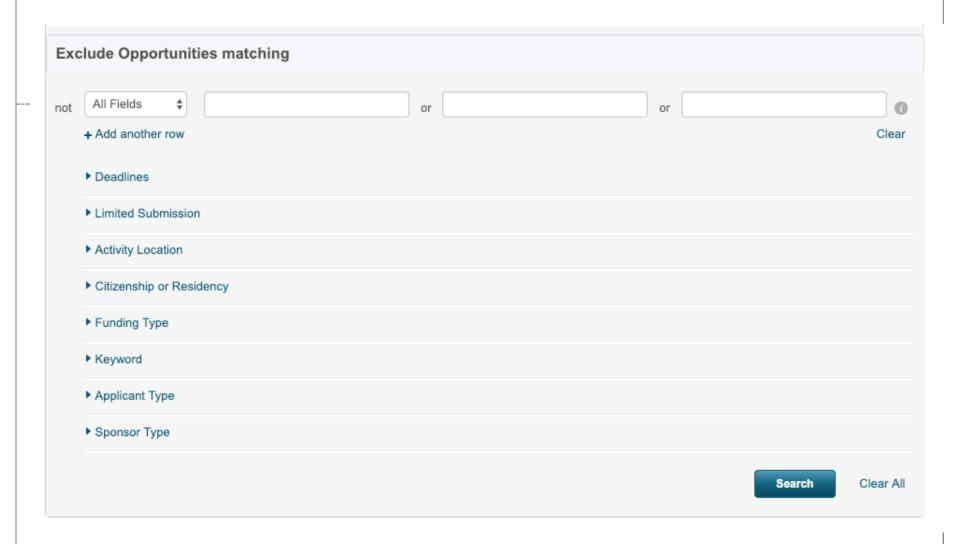
- NSF: https://www.nsf.gov/funding/
- NIH: https://grants.nih.gov/funding/index.htm
- NASA: https://science.nasa.gov/researchers/sara/grant-solicitations

For Limited Submissions opportuniites, ORSP's Limited Submissions Protocol applies. See https://www.research.olemiss.edu/resources/limitedsubmissions.

COS/Pivot Demonstration: Advanced Search



COS/Pivot Demonstration: Advanced Search



Refine Search: Applicant Types

 Only show opportunities Undergraduate Students can apply to as individuals (not through UM/institution)

▼ Applicant Type

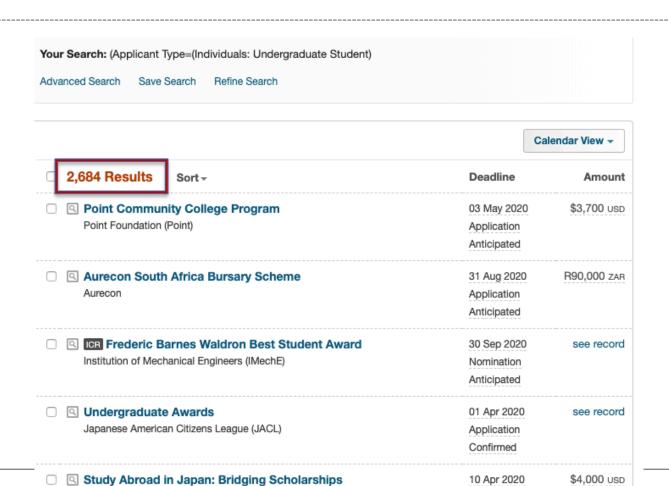
and Government
Individuals: Early Career and Emerging in Field
Individuals: Graduate Student
Individuals: Mid-Career to Established in Field
Individuals: Undergraduate Student

Individuals: Undergraduate Student x

Search

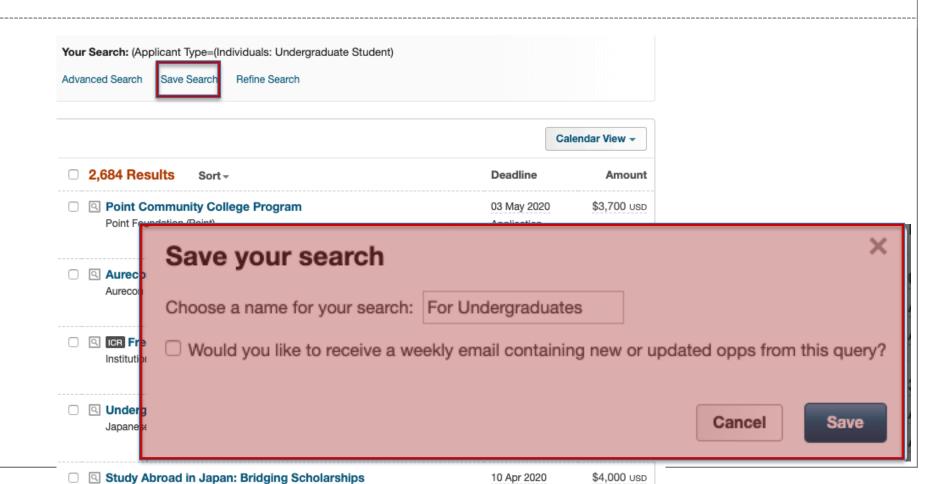
Refine Search: Applicant Type Results

That gave us over 2500 results!



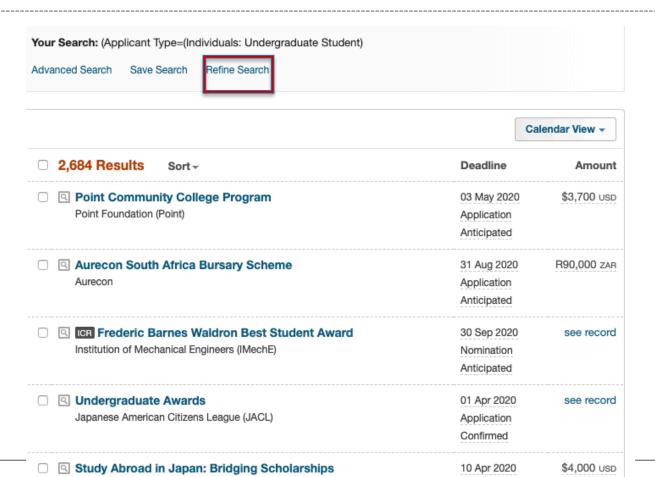
Refine Search: Applicant Type Results

Let's Save Search



Refine Search: Applicant Type Results

• Let's Refine Search to remove opportunities that are limited to US Citizens or Perm Residents

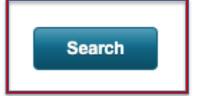


Refine Search: Citizenship/Residency

Only show opportunities that do not have

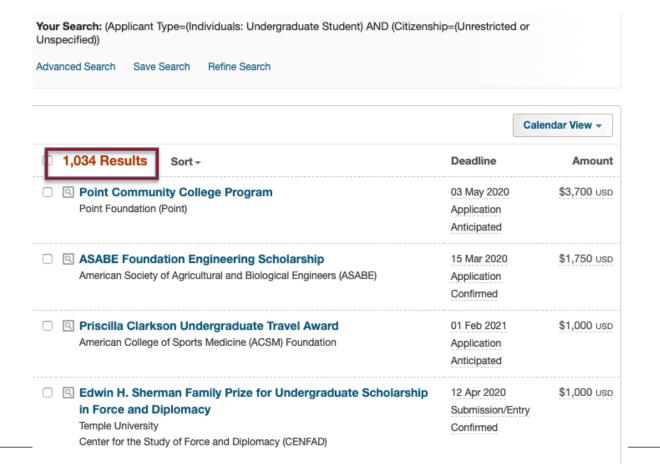
Citizenship or Residency restrictions

and	☐ United States		
	☐ Canada		
	 United Kingdom 		
	☐ Australia		
	 European Union 		
	Include: <a>Include Unrestricted	Unspecified	



Refine Search: Citizenship/Residency Results

- Only show opps w/ no Citizenship/Residency restrictions
- That got rid of over half the results (but still over 1,000!)



Refine Search: Keyword

- Only show funding types matching a keyword
 - Choose "Match *ANY* of the fiends"
 - Enter keyword: engineering OR economic OR economics

Search

View Tutorial Funding Advanced Search Find Opportunities matching Match all of the fields Match any of the fields Search Clear All 0 All Fields engineering economics economic All Fields and or or All Fields and or or Add another row Clear

Refine Search: Keyword

- Search Results
 - Enter keyword: engineering OR economic OR economics

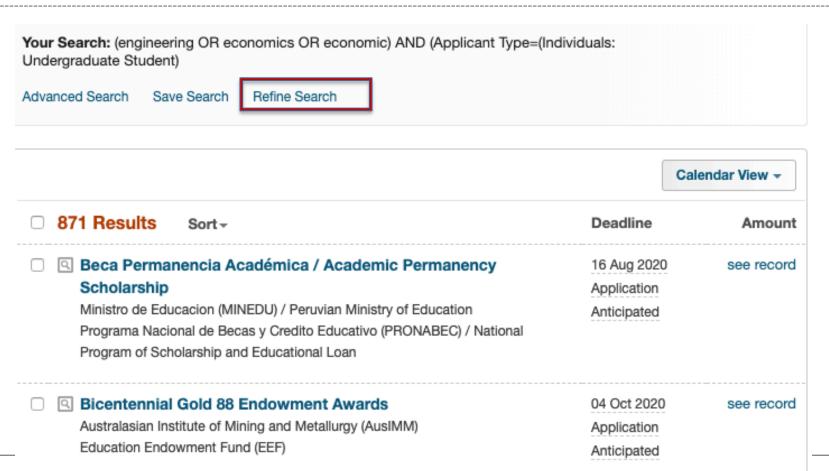
Your Search: (engineering OR economics OR economic) AND (Applicant Type=(Individuals: Undergraduate Student)

Advanced Search Save Search Refine Search

	Calendar View →		
□ 871 Results Sort -	Deadline	Amount	
Beca Permanencia Académica / Academic Permanency	16 Aug 2020	see record	
Scholarship	Application		
Ministro de Educacion (MINEDU) / Peruvian Ministry of Education	Anticipated		
Programa Nacional de Becas y Credito Educativo (PRONABEC) / National			
Program of Scholarship and Educational Loan			
□	04 Oct 2020	see record	
Australasian Institute of Mining and Metallurgy (AusIMM)	Application		
Education Endowment Fund (EEF)	Anticipated		

Refine Search: Keyword

- Search Results
 - Enter keyword: engineering OR economic OR economics



REU stands for "Research Experiences for Undergraduates" There are quite a few NSF-funded summer REU programs out there.

Search Results using OR and AND

Your Search: ((engineering OR economics OR economic) AND REU) AND (Applicant Type=(Individuals:

- Enter keyword: engineering OR economic OR economic
- AND Keyword: REU

Undergraduate Student) Advanced Search Save Search Refine Search		
	Cale	endar View ▼
□ 7 Results Sort	Deadline	Amount
□ Research Experiences for Undergraduates (REU) - REU Summer Research Program - Keck Northeast Astronomy Consortium Keck Northeast Astronomy Consortium	10 Feb 2020 Application Confirmed	see record
Research Experience for Undergraduates (REU) Program Louisiana Universities Marine Consortium (LUMCON)	01 Mar 2020 Application Confirmed	\$25,000 USD
 Gulf of Maine and the World Ocean Research Experience for Undergraduates (REU) Program Bigelow Laboratory for Ocean Sciences 	15 Feb 2020 Application Confirmed	\$5,000 usp
□ □ REU-INCLUSION Program	18 Mar 2020	\$5.000 USD

Finding External Ops: Things to Look For (cont.)

- Is there a prescribed budget format?
- Is tuition allowed?
- How many awards are expected?
- What is the expected funding rate?
- What/who has been funded in the past?
- What are the performance requirements if awarded?
- What reporting requirements?
- Income tax implications?
- Required format for resume or biosketch

Finding External Ops: Things to Look For

- Who is the sponsor?
- When and where is the award?
- How much \$\$ are the awards for?
- What can you (and can't you) spend the money on?
- Who is the check made out to—the student, or the University?
- Is U.S. citizenship or permanent residency required?
- When is application deadline and process?
- What all components are required in the application?

Links

 This (and future, improved versions) presentation is downloadable from

http://research.olemiss.edu/presentations

- Applications for Track 1 and Track 3 awards can be submitted at https://olemiss.infoready4.com/
 - (These applications are not yet live as of 2/4/20
 but will be by the end of the week)
- PIVOT:

https://pivot.proquest.com/funding_main