

EPS & Geosoc Present:

Opportunities in Summer STEM Research & Funding

March 2021

Why EPS?



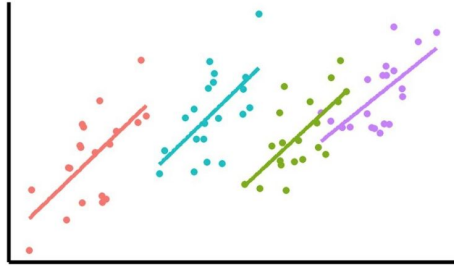
Hang out with basalt!



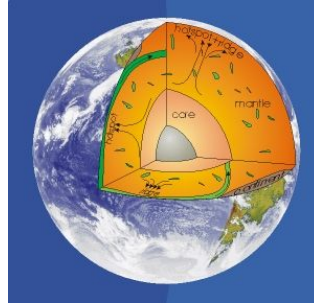
Hang out on glaciers!
#CramponLife

You don't have to be an EPS concentrator to do EPS-related research...

Linear Mixed-Effects Models



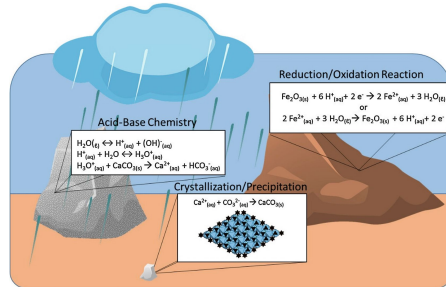
Statistics



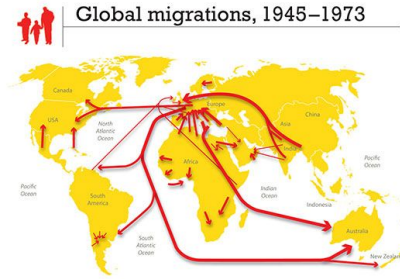
Physics



Applied Math



Chemistry



Social Science

Finding Research at Harvard



Harvard Catalyst Profiles

Contact, publication, and social network information about Harvard faculty and fellows.

Home About Help History (0) Search Profiles (people, publications, concepts, etc.)

Login to edit your profile (add a photo, awards, links to other websites, etc.)

Profiles Stats

24510 People
832377 Publications
19308 Grants

Recent Updates

 Pritha Sen
February 28, 2021

added a publication from:
Biochemical and
biophysical research
communications

 Itika Garg
February 28, 2021

updated "Harvard Medical
School, Boston, USA, " in
education and training
section

 Ashish Verma

Find People

Find Everything Else

Find People by Research Topic or Name

Research Topics

Search

☐ Search for exact phrase

and / or

Last Name

First Name

Institution

Department

Faculty Type

Other Options

None selected

☐ All except the one selected

None selected

☐ All except the one selected

None selected

None selected

Most viewed (today)

Random Amplified
Polymorphic DNA
Technique
Integrin alpha6beta1
Retinal Photoreceptor
Cell Outer Segment
o Phthalaldehyde
Abducens Nerve
Diseases
Echymosis
Spinal Fractures
Coumarins
Plethysmography
Impedance
Peos Abscess

Most viewed (month)

Echymosis
Random Amplified
Polymorphic DNA
Technique
Nephrology

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FACULTY OF ARTS AND SCIENCES | HARVARD.EDU

Department of Earth and Planetary Sciences

HOME

Academics

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Undergraduate Research

Climate, Atmosphere, and Oceans

Earthquake Science and Active Tectonics

Earth's Interior and Surface

Geobiology and Earth History

Planetary Science and Cosmochemistry

Associated Initiatives and Other Research

Impact Through

EPS faculty, fellows, and
questions about our work

Harvard Catalyst: search faculty by research topics!

<https://connects.catalyst.harvard.edu/profiles/search/people>

EPS department research page:

<https://eps.harvard.edu/undergraduate-research-opportunities>

Summer Funding/Programs at Harvard

Harvard College Research Program (HCRP) Summer Funding

- Award ranges from \$500-4,000
- Apps due April 1st
- Requires a proposal, budget, and approval from faculty member
- <https://uraf.harvard.edu/research-funding>

Faculty Aide Program (Student Employment Office)

- Faculty can hire undergrads as research aides regardless of the student's home department
- Consult the faculty member or academic coordinator/DUS of the department if you're interested in this option!

The screenshot shows the URAF website header with the Harvard College logo and navigation links: HOME, Research, Fellowships, Principles and Policies, News & Events, and About. The main content area is titled 'Undergraduate Research' and features a sidebar with links to 'Getting Started: Information and Advice', 'Finding Research Opportunities', 'Finding Research Funding', 'Budget and Proposal Writing Tips', 'On-Campus Resources', 'URAF Research Programs', 'Harvard-Amgen Scholars Program', and 'Mellon Mays Undergraduate Fellowship'. The main text area includes a section titled 'Promoting and supporting research opportunities for Harvard undergraduates' with a paragraph describing the URAF's mission and three images: a group of students in a meeting, a student working in a lab, and a student in a classroom.

HARVARD COLLEGE
Office of Undergraduate Research and Fellowships

HOME Research Fellowships Principles and Policies News & Events About

UNDERGRADUATE RESEARCH

Getting Started: Information and Advice

Finding Research Opportunities

Finding Research Funding

Budget and Proposal Writing Tips

On-Campus Resources

URAF Research Programs

Harvard-Amgen Scholars Program

Mellon Mays Undergraduate Fellowship

HOME / Undergraduate Research

Promoting and supporting research opportunities for Harvard undergraduates

The Office for Undergraduate Research & Fellowships (URAF) helps Harvard College students navigate the broad array of institutional, domestic, and international research opportunities that are available to them. The office further aims to develop connections among stakeholders in the academic research landscape (schools, academic departments and affiliated research enterprises, the housing communities, and student organizations).

URAF: all about Harvard-specific research funding!
<https://uraf.harvard.edu/undergraduate-research>

Summer Funding/Programs at Harvard



Origins of Life Summer 2021 Research Funding

- Application: ½ page proposal from faculty advisor, your CV
- Due March 5th! (\$5,000 award)

https://origins.harvard.edu/files/origins/files/2021_origins_undergraduate_research_prize_awards_letter_0.pdf?m=1612295180

HUCE Summer Undergraduate Research Fund (funding for pre-proposed research assistantships and self-directed projects)

- Application: 2-3 page proposal and letter from faculty advisor
- Due April 19th (\$1000/month stipend)

<https://environment.harvard.edu/summer-undergraduate-research-fund-0>

Harvard Oceanography Committee Research Support

- Application: 1-2 page proposal, 1 page resume, and budget
- No set deadline

<https://www.seas.harvard.edu/climate/eli/oceanography-committee/>

Application Tips

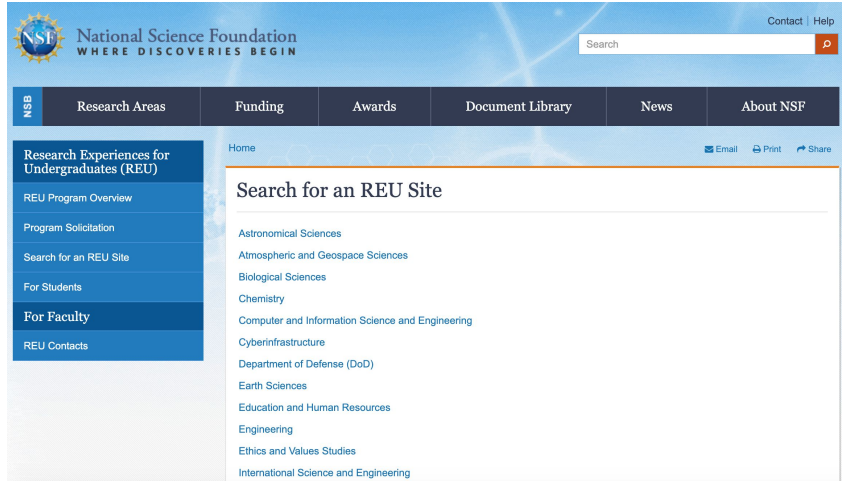
- Be super specific about **why** you're interested in a given professor's research or a given project
- When writing a proposal, make sure to include the **broader motivation** behind your project
- Where relevant, describe how your **past experiences** make you a good candidate for this project (they don't have to be research-related!)
- Read all the **guidelines** carefully; application instructions are sometimes pretty specific about what the committee is looking for in a proposal/statement
 - Funding for a single project can come from multiple sources; you can reuse material in multiple applications, but make sure to tailor it to the specific opportunity each time
- Ask for **recommendations** early!
- **Have confidence** in yourself; know that not every application will be successful, and **that's okay!**

Remote Research Resources

Coding & Programming

- **MATLAB Bootcamp:** SEAS offers this DIY workshop at the start of every summer & fall, <https://sites.google.com/g.harvard.edu/matlab-bootcamp/>
- **AM10: Computing for Engineering:** Python crash course offered in the Fall semester
- **R 4 Data Science:** excellent free online crash course in R!
<https://r4ds.had.co.nz/introduction.html>

Finding Research Outside of Harvard



NSF Research Experiences for Undergraduates (REUs)

- Fully funded 10-week summer research programs across the US in all disciplines!
https://www.nsf.gov/crssprgm/reu/reu_search.jsp
- Also check out SURF at Scripps Institute of Oceanography/UCSD - apps due 3/15!
<https://scripps.ucsd.edu/undergrad/surf>



Pathways Database has 650+ summer undergrad research listings!!

<https://www.pathwaystoscience.org/Undergrads.aspx>



Questions?

Feel free to email us!

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madisongoldberg@college.harvard.edu

cfried@college.harvard.edu

elidakocharian@college.harvard.edu

BUT WAIT, THERE'S MORE:

https://www.youtube.com/watch?v=vxDMKCdNwZw&list=PLw3QooxPEEJd_Eua4yXBXyHl91WSbdtHc