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...

- **Statistics**
- **Physics**
- **Chemistry**
- **Applied Math**
- **Social Science**
Finding Research at Harvard

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!

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/](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](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](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](https://scripps.ucsd.edu/undergrad/surf)

Pathways Database has 650+ summer undergrad research listings!! [https://www.pathwaystoscience.org/Undergradrads.aspx](https://www.pathwaystoscience.org/Undergradrads.aspx)
Questions?

Feel free to email us!

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BUT WAIT, THERE’S MORE:
https://www.youtube.com/watch?v=vxDMKcdNwZw&list=PLw3QooxPEEJd_Eua4yXBYYHl91WSbdtHc