Finding a 2016 Summer Undergraduate Research Scholarship & Summer Research Opportunities

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Summer Undergraduate Research Opportunities: Purpose

- Maximize your choices
- Present yourself well
- Give you a chance to do research AND not have financial worries
  - recognition of your achievements and future potential
How Do I Apply for Undergraduate Research Opportunities?

- Identify a faculty/research mentor
  - Discuss research project

- Identify eligibility AND every required element of the application
  - Citizenship, major, career path
Key Elements of a Competitive Application

• Meet ALL eligibility requirements
  ◦ Citizenship, major, career path, must continue as undergraduate in Fall 2016.

• Have a letter of recommendation from faculty mentor/research sponsor

• Write a persuasive Research Proposal (if required)

• Write an effective Personal Statement

• Have a strong GPA (typically 3.0+)
Key Elements:
A Letter of Recommendation

Need help finding a mentor?
- REAL Portal (real.ucsd.edu)
- Look in your department of interest for faculty researchers exploring projects that excite you

A letter of support from the faculty research advisor who will oversee your research project:
- Potential significance of your project
- Review of your qualifications to carry out the project
- Advisor’s assessment of your potential to make contributions to the field
- Comparison to other students faculty has mentored
- Statement noting if you need or do not need Internal Review Board (IRB) approval
Key Elements: A Persuasive Research Proposal

- Title

- Research question
  - the goal of the work
  - the potential significance of the project

- Preliminary work accomplished and/or relevant experience

- Methods or theoretical/critical frameworks you will use, with appropriate citations

- Timeline of the work you expect to accomplish over three months (Summer 2014)

- Statement noting if IRB approval is needed or not

- List of references cited

*Note: Maximum number of words: 1000*
Finding a Summer Research Opportunities

• Research at a research institute or at another university without receiving academic credit – *basic research*

• Research in a non-academic setting (industry research) – *applied/translational research*
Finding a Summer Research Opportunities

- During academic year
  - For credit: BISP 99 | 197 | 199
  - Non-credit: volunteer
Why do Research or an Internship in the Summer?

- Immerse yourself into research/internship – full-time
- Take advantage of national and international opportunities
- Compete for a scholarship
- Leave your comfort zone
Staying in SAN DIEGO for the Summer

- BISP 199: Research for Credit
- Undergraduate Research Opportunities: REAL Portal (real.ucsd.edu)
- UC San Diego Summer Research Opportunities: AEP
- Scripps Undergraduate Research Fellowship (SURF): https://scripps.ucsd.edu/undergrad/surf
Summer Undergraduate Research Scholarships (URS): What Types are Available?

Undergraduate Research Scholarships – http://urs.ucsd.edu

Eureka! (basic & translational biology)
Howell (Women’s and Family Health Issues)
Julia Brown (health care, med, pharma, & public health)
Belkin (environment & ecological studies)
Gambee (active citizen in government)
Chancellor’s (All proposals)
Physics

NOTE: Application cycle is open Nov. 9 and closes February 1st!

Academic Year Continuing Scholarships are also available at ucsd.academicworks.com
URS: Where Can I Find More Information?

- **My TritonLink:** Scholarships → Research Scholarships
- **Financial Aid:** Types of Aid → Scholarships → Continuing Students → Undergrad Research Scholarships
- **Academic Enrichment Program (AEP)** → Undergrad Research Scholarships (urs.ucsd.edu)
- Google: search for UCSD Undergraduate Research Scholarships

**Questions?**
Contact Sophia Tsai @ stsai@ucsd.edu, 858-534-9014
Summer Research OFF-Campus

- Colleges and Universities
- Super Sites
- Government & other agencies
- Industry
- International

Note: some of the websites we will discuss in following slides have not updated deadlines for Summer 2016. We highly encourage you to revisit these sites after researching the program information.
Colleges and Universities

- **The Privates: East → West Coast and everything in between** – [Leadership Alliance](http://amgenscholars.com/)

- **Biomedical and Pre-Med:** [Research Site](http://amgenscholars.com/)

- **UC Schools:** [UC Summer Research](http://amgenscholars.com/)
  - Berkeley
  - Wellesley

- **Amgen Scholars:** [Host Institutions in the U.S.](http://amgenscholars.com/)
  - [http://amgenscholars.com/](http://amgenscholars.com/)
Super Sites

- Super Sites: Databases for **ALL** Internships
  - UCSD Career Services Center
  - Undergraduate Research Opportunities Program (UROP: UC Irvine)
  - Pathways to Science: [http://pathwaystoscience.org/](http://pathwaystoscience.org/)
Government & Other Agencies

- National Sciences Foundation – NSF
  - Research Experiences for Undergraduates

- National Institute of Health – NIH
  - https://www.training.nih.gov/trainees/summer_interns

- Centers for Disease Control and Prevention – CDCP
  - and some with interest in Minority Health

- United States Environmental Protection Agency – EPA

- HHMI Janelia Farm: Undergraduate Scholars Program
Industry

- **Novartis**: Institutes for Biomedical Research

- **Genentech**

- Special websites:
  - Biotech Careers
  - Indeed
International

- UCSD Career Center: International Internships
- Study Abroad UC San Diego: Study Abroad
- Country Specific Programs:
  - Germany
    - Aachen University
    - Congress-Bundestag Youth Exchange for Young Professionals or CBYX
  - Switzer Land
    - Think Swiss
International (cont.)

- **Ireland**
  National University of Ireland Maynooth, Program for Undergraduate Research Education (PURE)

- **United Kingdom**
  Undergrad Studentship Programme at John Innes Centre & Sainsbury Lab

- IES Abroad Internships

- Working with Scientists Abroad: Earth Watch Institute

- Global Volunteer Network: Work, travel and learn
What if funding is not available?

- UCSD Undergraduate Research Scholarships – [URS](#)
- Go to the main UC Education Abroad Program – [UC-EAP](#)
- A one-stop resource to find funds for training in the sciences and undergraduate science education:
  - [GrantsNet.org](#)
  - [Scholarships.com](#)
- Other Fellowships & Awards:
  - [German Academic Exchange](#)
  - Professional Associations:
    - American Physiological Society ([APS](#));
    - American Society for Microbiology ([ASM](#))
What’s next ...

- Identify programs and scholarships that you are eligible for and can fulfill the requirements

- “Don’t put all your eggs in one basket”: apply to more than one opportunity

- Start early – some deadlines are as early as December. Put together a competitive application

- Utilize campus resources: UCSD Writing Center
Questions ...

- What is your excuse for not trying?