

## STEM Internships, Scholarships, Research, & Other Opportunities

### INTERNSHIPS & VOLUNTEERING (Pre-Health mostly)

#### [School of Medicine Summer Medical Dental Education Program](#), June-July

A rigorous six-week program funded by the [Robert Wood Johnson Foundation](#) for pre-medical and pre-dental students with classes in the basic sciences and direct observations with a physician in a healthcare setting. Open to freshmen or sophomores who are U.S. citizens or hold permanent resident visas, belong to a group that is racially/ethnically underrepresented in medicine or dentistry, or comes from a disadvantaged background, and demonstrates an interest in issues affecting underserved populations. Stipend \$600 plus housing and meals.

**Application Deadline: March 1,**

#### [Academic Careers in Engineering and Science for Minority Students](#), May-July

A 10-week, biomedical research program for minority undergraduate students in **science and engineering**. Stipend \$3,500 and support for meals, housing, travel and supplies.

**Application Deadline: February 15,**

#### [Heart, Lung and Blood Minority Research Training Program](#), May-July

An 8-10 week program for minority, low-income, or disabled undergraduate and medical students in cardiovascular, pulmonary, hematological or sleep disorders research, with a weekly seminar series and poster session. Stipend \$1,750 per month, plus support for housing and travel.

**Application Deadline for Undergraduates: February 15**

**Application Deadline for Medical Students: March 1**

#### [MetroHealth Chester Scholars Program](#), June-August

A 10-week program in clinical or laboratory research settings at MetroHealth Medical Center that includes observation of surgery and hospital rounds. Open to 15 students who have completed their second year of undergraduate studies in the sciences, and who is either an Ohio resident or attends an Ohio university. Stipend \$2,500. **Application Deadline: February 14**

To see more opportunities, visit [http://casemed.case.edu/admissions/research/summer\\_programs.cfm](http://casemed.case.edu/admissions/research/summer_programs.cfm)

### UC Forestry Summer Field Program at Baker Forest

**June 23 -- August 15**

**Meadow Valley, CA**

*Applications due March 14th at 5pm, to 260 Mulford Hall on UC Berkeley campus*

In the beautiful mountains of the Plumas National Forest, the UC Summer Forestry Field Camp provides students a unique opportunity to study the biota, soils, and geology of the Feather River Country. The overall goal of the Summer Field Program is to provide an **introduction to the scientific and professional**

**dimensions of forest and wildland resource management.** Students participating in the program learn about ecology, forest, range and wildlife management, measurements, forest operations and products. At the end of the eight-week program, students will have broad, working knowledge of concepts and techniques used by wildland resource managers. The experience of studying these topics in a field setting inevitably enriches students' subsequent on-campus academic studies. More information may be found on our website at <http://nature.berkeley.edu/espm/summercamp/main.html>. If you have questions, feel free to contact Forestry Field Program Director Kevin O'Hara at [kohara@berkeley.edu](mailto:kohara@berkeley.edu) or Forestry and Natural Resources Undergraduate Advisor Eva Wong-Moy at [evaw@berkeley.edu](mailto:evaw@berkeley.edu).

### **Emory University MD-SEE Program :**

Emory University's Office of Summer Programs is pleased to announce that MD-SEE, the MD Summer Experience at Emory.

Much more than a shadowing program, MD-SEE offers genuine clinical experience, classroom guidance on presentations, and a vigorous look at current issues and practices in medicine. This course will cover variable topics of special interest in the field of Clinical Neurology. Undergraduates will have an opportunity to correlate experience with actual patients with the science behind the diagnosis. During their time in the clinics, students will act as a "patient assistant," helping patients who may have partial paralysis or loss of sensation. They will learn the basics of the Health Insurance Portability and Accountability Act (HIPAA) and will record patients' history and neurological findings while observing real-life patient examinations. Each student will be assigned a Clinical Neurology faculty mentor who will help develop the writing and poster projects. Publication of student work will be encouraged, co-authored by the faculty mentor.

**For more information, please visit [www.mdsummer.emory.edu](http://www.mdsummer.emory.edu)**

Questions? [summerprograms@emory.edu](mailto:summerprograms@emory.edu) 404-727-0671

***The preferred application deadline is March 3***

### **Pre-Dental Clinical Internship in Private Practice**

Dr. Edward Matsuishi, D.D.S. and Dr. Nicholas Ching, D.D.S. are licensed pediatric dentists practicing in El Cerrito at one of the best pediatric dental practices in California.

- Since 2003, the practice has sponsored a one year long, full-time, paid internship position for students who have just graduated from college and are taking time off before applying or attending dental school.
- This position allows the unique opportunity to not only gain significant experience in dentistry but also develop a profound understanding of business and practice management.
- This highly successful program has sent its interns to dental schools throughout the nation. Past interns have gained admission into such schools as Harvard, UOP, UCSF, Western, ASDOH, and Tufts.
- Applicants are not required to have any prior dental experience; however, all applicants should be interested in pursuing a future career in dentistry. Training will be provided, including X-Ray, CPR, and Infection Control Licensing and Certifications.
- Strong applicants are highly motivated individuals who possess a strong desire to learn and improve. We are looking for someone who will represent our practice in a professional and caring manner.

- This internship is competitive and submitting early is highly recommended. Please send your resume and a cover letter to [kidsteethdoctor@gmail.com](mailto:kidsteethdoctor@gmail.com).

### **Pre-Medical Gap Year Opportunity at Lucile Packard Hospital**

The Performance Improvement Department of [Lucile Packard Children's Hospital Stanford](#) is looking to hire bright, hard-working and energetic recent graduates to gain experience in healthcare, and specifically in process improvement. This is a great experience for someone interested in a career in healthcare to get a first-hand understanding of hospital operations and for pre-health students pursuing a gap year.

**Compensation:** \$19/hour, temporary, non-benefited position

**Commitment:** 40 hours/week, minimum 10 months (suggested June 2014-June 2015)

**Qualifications:** Bachelor's degree in a work-related field/discipline from an accredited college or university and a strong academic record; interpersonal, creative, and computer skills.

If you have questions, email former Cal student Shirley Chan at [ShChan@lpch.org](mailto:ShChan@lpch.org). To apply, send one PDF file containing a current resume and statement of interest (no more than 250 words) to [performanceimprovement@lpch.org](mailto:performanceimprovement@lpch.org) with "Coordinator Application" in the subject line.

### **UC Berkeley Opto-Camp:**

The goal of Berkeley Optometry's Opto-Camp is to introduce underrepresented pre-health science majors to Optometry as a potential future career track and to prepare them to be successful applicants to optometry school. The objective of Berkeley Optometry's Opto-Camp is to present a three-day in residence experience that will provide participants with opportunities to learn about the profession of optometry and the process of becoming an optometrist. Program specifics and the application can be found [here](#). Cost to attend the program is \$125 and there is a limited amount of scholarships to waive program fees as demonstrated by financial need. For more information email Heather Iwata at [hiwata@berkeley.edu](mailto:hiwata@berkeley.edu).

### **Summer Scholars at Des Moines University**

#### ***Applications due March 1***

Des Moines University is now accepting applications for our 3-week summer [Health Professions Advanced Summer Scholars](#) program! Health P.A.S.S. is geared toward rising sophomores and juniors from populations underrepresented in medicine and health care, including under-represented minority, low-income and/or first-generation college students. The program provides participants with perspectives on what it is like to be a student in osteopathic medicine, podiatric medicine, physical therapy, and physician assistant studies. DMU covers all costs for participants, including housing, meals, and transportation. Enrollment is limited to 12 students. If after reviewing the materials, there are any additional questions, please call [515.271.7864](tel:515.271.7864) or email [healthpass@dmu.edu](mailto:healthpass@dmu.edu).

### **UC Berkeley Labor Center Summer Internship:**

Learn organizing or research and policy skills for social justice! The UC Berkeley Labor Center and the UC Davis Center for Regional Change are co-sponsoring the 13th Annual Labor Summer Internship Program, a full time **paid** internship program for UC graduate and undergraduate students. This is an opportunity for

you to spend eight weeks in Northern and possibly Central California developing leadership, political analysis, research, and organizing skills while working with unions and community-based organizations striving for justice for California's working people. If you are passionate about social and economic justice, apply for the Labor Summer Internship Program and be a part of building a better California! For more information or to apply, please visit us [online](#) or contact Muttika Chaturabul at [mootix87@berkeley.edu](mailto:mootix87@berkeley.edu) or [510-643-0910](tel:510-643-0910).

### **UCLA Summer Pre-Medical Programs**

The David Geffen School of Medicine at UCLA is currently accepting applications for the following summer academic enrichment programs:

- **Premedical/Predental Enrichment Program (PREP):** is a seven week summer academic enrichment program that targets students from educationally and financially disadvantaged and/or underrepresented backgrounds. Students are exposed to the rigors of academic medicine and/or dentistry. Included are preceptorships with physicians in clinical and research settings. The program is enhanced by students being mentored in intimate, structured cluster groups by trained teaching assistants; accomplished medical students. The program is free, however housing is not provided. A stipend is given to students for living expenses. The postmark *deadline for submission of all required material is **March 1***. Applications and further program information are available [online](#). For more information email [UCLAPREP@mednet.ucla.edu](mailto:UCLAPREP@mednet.ucla.edu).
- **Summer Medical Dental Education Program (SMDEP):** is a six-week summer academic enrichment program that targets educationally and financially disadvantaged freshman and sophomore college students by providing intensive and personalized medical and dental school preparation. This national program is funded through the Robert Wood Johnson Foundation and is offered at 12 locations. The program is free and provides on campus housing, and a small stipend. *Deadline for applying is **March 1***. Application and further information can be found at the [national](#) office website or at the [UCLA office](#) website. For more information, email [uclasmdep@mednet.ucla.edu](mailto:uclasmdep@mednet.ucla.edu).
- **Re-Application Post-baccalaureate Program (RAP):** is a post baccalaureate program that is designed to assist students who meet *all* the following criteria: are California residents, from disadvantaged and/or underserved backgrounds, committed to practicing in underserved communities in California, and who applied but were unsuccessful in gaining admissions to any U.S. medical school. The eleven-month program is conducted in two sessions, summer and academic year. Please visit the following websites for more information, or email [UCLARAP@mednet.ucla.edu](mailto:UCLARAP@mednet.ucla.edu). <https://meded-postbac.ucsd.edu>, [www.medstudent.ucla.edu/offices/aeo/rap.cfm](http://www.medstudent.ucla.edu/offices/aeo/rap.cfm).

### **AADP Internship**

The Asian American Donor Program, located in Alameda, CA, is an organization that works with the national bone marrow registry, Be the Match. Our primary focus is to educate the public and recruit people to register to become bone marrow donors in order to find matches for over 12,000 patients who are looking for a bone marrow match. Our program targets people of all the minority and mixed races populations, not just Asian Americans, because there is a lack of them in the databases. AADP is offering a **paid** internship

for undergraduates and recent grads to assist in the recruitment of potential stem cell donors and work on office-related tasks. Interns will get the opportunity to become part of a dynamic, enthusiastic and supportive team committed to saving lives. Applications can be found on the AADP [website](#). For more questions, email Thi Ly at [thi@aadp.com](mailto:thi@aadp.com).

### **Vive Peru**

Vive Peru is in need of **volunteer interns** experienced in the areas of Clinical Medicine, Social Work, Teaching Music, Teaching English and Engineering to support our partner organizations and adopted communities in Northern Peru! Work side-by-side with doctors in local clinics and hospitals, volunteer with underprivileged children, share your love for music or languages with the children of Peru. In your free time, explore one of the most ecologically diverse and historically rich countries in the world. Participate in one of our 3 sessions! Interested? *Apply* for the experience of a lifetime! Applications available online at [www.viveperu.org/apply.php](http://www.viveperu.org/apply.php).

### **UC Davis Pre-Medical Surgical Internship**

The UC Davis Pre-Medical Surgical Internship offers a unique set of opportunities for pre-medical students to work with and be mentored by surgeons and physicians at the nationally recognized UC Davis Medical Center located in Sacramento, California. This is not a mere volunteering position; the program provides an opportunity to interact directly with physicians in the Department of Surgery. You would be working with them every step of the way from seeing patients in the pre-operational consultation to observing procedures performed in the Operating Room, from rounding in the early hours of the day to spending afternoon in the clinics. In addition, you will attend bi-monthly workshops involving talks from medical school professors, hands-on suture and cardiology labs, a presentation from the Director of Admissions of the UC Davis Medical School, and more! For more information please visit [www.premedsurgery.org](http://www.premedsurgery.org). Feel free to contact NVC/MESA alumna Morganne Pessereau for insights into the experience at [morgannecruz@gmail.com](mailto:morgannecruz@gmail.com)

### **East Bay Medical Fellowship/Internship**

Premed and looking for full-time work? Apply for the East Bay Medical Fellowship/ Internship for a minimum 1 year FULL TIME position, with the possibility of a second year senior fellow position. This position is available only to graduating seniors and already graduated students. This is the 5th annual year of the fellowship with previous fellows attending the best medical schools in the US. This is an **ideal gap year** before medical school.

- 2-3 positions will be available starting summer/fall
- Paid position with benefits commensurate with experience (ranges from \$21,000 - \$29,000)
- Medical assisting: see patients and help doctors with patient management in Pinole, CA (10 minutes from Berkeley!)
- Increased clinical responsibility with ability
- Scholarship to medical school provided based on performance and goals achieved during the fellowship

- Guidance by experienced doctors and current fellows who will aid your transition and application to medical school
- Assist and observe surgery in the second half of the fellowship
- Develop management consulting skills, understand the business aspects of medicine, billing and coding, front office operations, insurance plans and the health care system currently in the US, very useful later on as none of this is taught in medical school.

To apply, send CV, unofficial transcript, and 3 contacts to serve as references

to [sanfranciscoophthalmology@gmail.com](mailto:sanfranciscoophthalmology@gmail.com) Answer the following questions in your cover letter: (1) Have you taken the MCAT? If so, when, and what was your score? (2) What prerequisites do you have left unfulfilled? (3) When are you applying to medical school? How many years off do you intend to take? (4) Do you speak any other languages? (5) If you were a singer, who would you be, and why?

### **MIMS Program Internship**

#### ***Applications due February!***

Interested in working at a non-profit, networking with health professionals, and learning about career options in health and healthcare? MIMS (Mentoring in Medicine and Science) seeks to increase the number of health professionals through mentorship, career exposure, and leadership development. MIMS is currently seeking summer interns who are interested in administration, health, or medical careers.

Intern duties may include: assisting program coordinators in planning and attending the Healthy Ambassador Program (HAP) workshops, developing health education presentations and materials for HAP, collecting and collapsing evaluation data, and much more.

The internship is flexible with school hours, requiring about 8-12 hours per week. The internship location is in downtown Oakland, about 2-3 blocks from the 19th Street BART Station at 2201 Broadway, Suite LL13.

See [www.mimscience.org](http://www.mimscience.org) for more information on the HAP. To apply, send resume, references, and brief cover letter to Julieta Murillo, HAP Program Coordinator at [jmurillo@mimscience.org](mailto:jmurillo@mimscience.org) with "MIMS Internship" in the subject line.

### **Summer HIV/AIDS Research Program (SHARP) Information Session**

#### **What is SHARP?**

SHARP (Summer HIV/AIDS Research Program) is a 12-week paid summer program for current **undergraduate** and community college students. The program is organized around a mentored research project, seminars and workshops led by researchers based at the San Francisco Department of Public Health, and networking opportunities with other students and young investigators.

SHARP seeks to recruit students from communities that are generally underrepresented in the field of research, including African Americans, Latinos and Latinas, Native Americans and Pacific Islanders, as well as students from disadvantaged backgrounds, those who have a disability, and those who identify as transgender, lesbian, gay, or bisexual.

Ideal candidates are typically those who are considering conducting social or biomedical research that addresses health disparities as part of their career and also have an interest in HIV and populations at risk.

More information about the program is available on the SHARP website: [www.sharpinternship.org](http://www.sharpinternship.org). *The application deadline is **February**.*

Questions?

Contact Liz Kroboth at [info@sharpinternship.org](mailto:info@sharpinternship.org).

## **RESEARCH & PRESENTATIONS**

### **NCTR Toxicology Research Position Available!**

Summer research opportunities are available at the National Center for Toxicological Research (NCTR), U.S. Food and Drug Administration (FDA) in Jefferson, Arkansas. This program is designed for science and mathematics students preparing for future careers in toxicology, regulatory science, or related scientific disciplines. Selected individuals will participate in research projects on the biological effect of potentially toxic chemicals and the solutions to toxicology problems that have a major impact on human health and the environment.

The appointment period is for up to 10 weeks beginning May. The participant will receive a stipend depending on education level and experience. For additional information about this opportunity, NCTR or FDA, please visit <http://www.orau.org/science-education/internships-scholarships-fellowships/description.aspx?JobId=14519>.

### **2016 NCCACS Annual Surgical Trainee Research Paper Competition**

The Northern California Chapter of the American College of Surgeons (ACS) is pleased to announce the Surgical Trainee Research Paper Competition.

This **CALL FOR ABSTRACTS** invites residents, fellow trainees, medical students, **pre-medical students** and other surgical trainees to submit original work in the broad areas of surgical basic science and clinical investigation.

**Abstract Eligibility:** Abstracts will represent original research that has NOT been previously published, though prior podium or poster presentation is allowable. Abstracts should identify the principal author, and include the institution, phone, fax, and email. The word limit is 250 words. Authors are to categorize their abstract as either: (1) basic laboratory research or (2) clinical investigation. Clinical investigation may include surgical education, healthcare policy or outcomes research. The research must be have either been conducted at a Northern California institution, or conducted by a trainee of an accredited Northern California training program.

**Research Competition:** Principal authors of the top abstracts will be invited to present their work at the Spring Meeting of the Northern California Chapter of the ACS. The top presenter from each category (basic laboratory research and clinical investigation) will be selected at the time of the meeting. The winners will receive a \$500 cash prize.

**Abstracts will be accepted (See website for deadline)**

**Submission of Abstracts:** Abstracts must be submitted via email directly to Christina McDevitt, [nccacs@att.net](mailto:nccacs@att.net). Emails confirming receipt will be sent to the submitter. Please note that the winning abstracts will not be automatically forwarded for consideration to the October 2014 ACS Clinical Congress.

**Questions:** Contact Christina McDevitt, [nccacs@att.net](mailto:nccacs@att.net)

### **UCSF CTSI Summer Clinical Research Training Program for Pre-Health Professions**

The University of California, San Francisco (UCSF) Clinical and Translational Science Institute (CTSI) Training Program offers a summer clinical research training program for 12-15 currently-enrolled undergraduate students who are planning to attend dental, medical, nursing, pharmacy or physical therapy professional schools after graduation, and who have an interest in a career in clinical research. Students will be paired with a UCSF professional student who is enrolled in the course. The purpose of the course is to train students to evaluate the medical literature, to design clinical and translational research studies, and to encourage long-term collaborations between UCSF and students. Tuition and book are included if accepted into the program and a \$1500 stipend is offered.

To learn more about the program, click here: <http://accelerate.ucsf.edu/training/pup>

***The application deadline is February.***

### **UCSF RESEARCH POSITION**

A UCSF substance abuse research group at SF General Hospital is **heavily seeking 2 highly motivated and dedicated volunteer clinical research assistants** to help out with research and administrative related assignments in the area of drug abuse. This is an excellent opportunity for those seeking experience in a clinical research setting. Research Assistant duties include some, if not all of the following:

- Collaboration on research projects conducted in the HIV and methadone clinics
- Assisting with completion of grant proposals and renewals
- Literature searches and chart reviews
- Tracking publications and generating references
- Potential for interfacing with research participants in upcoming studies
- Creating and formatting tables, charts, graphs, etc. in research documents

They are looking for **seniors, recent college graduates, and post-bacs**. This is a great opportunity for psychology and premedical students planning to take a year or two off after graduation! If interested, please contact Ms. Anh Nguyen at [Anh.Nguyen@ucsf.edu](mailto:Anh.Nguyen@ucsf.edu) or visit <http://psych.ucsf.edu/research.aspx?id=5875>.

***Applications are due by February -- rolling admission.***

### **CONFERENCES AND FAIRS**

#### **Expanding Your Horizons: Volunteers needed for Conference!**

The Expanding Your Horizons (EYH) Conference will be *on the UC Berkeley campus*. This conference serves to introduce 5th through 8th grade girls to **career opportunities in mathematics, science, engineering, computer science, and technology** through diverse workshops and a keynote speaker. This year, we will be

inviting 425 young women from the East Bay community. We are recruiting both undergraduate mentors and logistics volunteers. Undergraduate mentors will be assisting workshop leaders all day as well as eating lunch with the girls. Logistics volunteers will be doing various tasks throughout the conference. Logistics volunteers can sign up for either morning or afternoon help if they are not available all day. We would like the undergraduate mentors to be available all day (7 AM - 4:30 PM). Sign up under the volunteer tab at [www.eyhberkeley.org](http://www.eyhberkeley.org).

### **International Medical Conference March Volunteers Needed!**

An international medical conference will be taking place in *San Francisco*. They are seeking undergraduate and graduate level students to volunteer at the conference in exchange for free admission, worth over \$100 per day! One of the missions of the conference is to educate health sciences students, so volunteer activities will be structured such that students will have opportunities to participate in conference activities. For more information, check out the conference website at <http://www.iacfsme.org/> or email Lily at [lilyxchu@gmail.com](mailto:lilyxchu@gmail.com).

### **ADEA Virtual Predental Fair**

Registration is now open for the [ADEA Predental Student Virtual Fair](#). This fair is free and open to all pre-dental students and advisors! The two-day event will allow students and advisors to chat live with admissions officers, watch presentations about financing their education, network with peers, and much more. For more information, the flier can be found [here](#). Register at [www.adea.org/predentalvirtualfair](http://www.adea.org/predentalvirtualfair) today!

### **UCSF Pharmacy Information Day (SF)**

The role of pharmacists in health care is changing -- and the demand for pharmacy professionals continues to grow. Today's pharmacists, critical members of the health care team, serve as health promoters, disease prevention specialists, health maintenance and chronic disease managers and health information analysts. We hope you will consider attending Pharmacy Information Day to discover pharmacy as a career -- and learn about the Doctor of Pharmacy program at the UCSF School of Pharmacy, the top-ranked pharmacy school in the nation. Register [here](#) today!

### **Northern California Pre-Pharmacy Symposium (NCPSS)**

Are you a student interested in pre-health, curious about a career in pharmacy, or planning to apply to pharmacy school? If so, we would like to encourage you to attend the Annual Northern California Pre-Pharmacy Symposium (NCPSS), held in Valley Life Science Building on the UC Berkeley campus and sponsored by the UC Berkeley Pre-Pharmacy Informational Learning and Leadership Society (PILLS). This opportunity includes networking with leading pharmacy professionals, exploring some of the nation's top pharmacy schools, and learning about the diverse career paths in pharmacy. This daylong symposium will feature workshops, presentations, and panels to help answer any of your questions regarding a career in

pharmacy. Register at [Eventbrite](#) now to secure your spot! For more information please visit the NCCPS website [here](#), or email [ncpps.ucberkeley@gmail.com](mailto:ncpps.ucberkeley@gmail.com).

### **Project Vision presents "Early Treatment of Eye Disease in Youth"**

Vision problems that arise in early childhood insidiously alter a child's academic growth. About 25% of school-age children suffer from undiagnosed vision problems, the most prevalent disabling condition in childhood. When poor eyesight and other vision problems are left unchecked, the child will have lost not only time for learning the basics of academics, but also the confidence to strongly pursue those basics or attempt to catch up. We at Project Vision are holding a symposium in the hope of providing valuable insight for students, faculty, and community members in the realms of health care, public policy, psychology, and education. Please register beforehand at <https://www.eventbrite.com/e/project-vision-symposium-tickets-10548862933>.

### **UC Berkeley SASE and Sandia National Laboratories**

The Society of Asian Scientists and Engineers (SASE) is an organization dedicated to the advancement of Asian heritage scientists and engineers in education and employment so that they can achieve their full career potential. SASE will be hosting an info-session and resume critique with Sandia National Laboratories, a government organization that conducts national security and nuclear science research in the areas of computational biology, mathematics, materials science, alternative energy, psychology, MEMS, and cognitive science initiatives. Sandia representatives will be working with engineering and science students on their resumes and their overall professional presentation. This is a great opportunity to bring your resume to the next level as well as learn more about summer and full-time opportunities with Sandia. **Attire is business casual**, and refreshments will be provided!

### **BMES & ISPE Annual Dinner with Genentech**

Join us for the 3rd Annual Dinner with Genentech, hosted by BMES and ISPE, to converse with Genentech professionals in an intimate dinner setting and learn about life at the top biotechnology company. The Senior VP of Research Biology Andrew Chan will be delivering the keynote speech. Dress code is business casual.

Andrew Chan graduated from Washington University School of Medicine with an MD/PhD. He taught at Washington University as an associate professor before coming to Genentech as vice president of Research Immunology.

"My research interests focus on regulation of immune cell functions. Specifically, my recent interests are on how signaling and remodeling of the actin cytoskeleton affect normal and dysregulated immune cell functions in health and disease."

Learn more about Andrew's work: <http://www.gene.com/scientists/our-scientists/andrew-chan>

Facebook Event: [https://www.facebook.com/events/1420232374887937/?ref=br\\_tf](https://www.facebook.com/events/1420232374887937/?ref=br_tf)

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## Jet Propulsion Laboratory Summer Faculty Research Program

For more information, visit: <http://jsfrp.jpl.nasa.gov>

Applications are currently being accepted for NASA's Jet Propulsion Laboratory 2014 Summer Faculty Research Program. This program provides opportunities for science, technology, engineering and mathematics, or STEM, faculty to engage in research of mutual interest to the faculty member and a JPL researcher. Non-STEM faculty will be considered based on available opportunities.

To be eligible to participate in the program, a potential fellow must hold a full-time appointment at an accredited university or college in the U.S. Special requirements for foreign national faculty members may apply. Fellows are required to submit a research report and present their work at the end of the session.

The program awards \$13,500 fellowships for the 10-week session. Please note that stipend payments or salaries from other federal funding sources, including research grants and contracts, may not be accepted during the 10-week tenure of a JPL faculty research appointment.

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## NASA Unmanned Aerial Systems Challenge

For more information and a complete list of rules, visit <http://aero.larc.nasa.gov/university-contest>

NASA invites college teams to take part in the NASA Aeronautics Mission Directorate's Unmanned Aerial Systems Challenge. Students are invited to propose a high-altitude, long-endurance unmanned aerial system to track hurricanes. Design assessment will be based on projected effectiveness, cost, innovation and ease of use and operation inside the National Air Space.

The contest is open to teams of full-time students enrolled in higher education institutions of the United States or its territories. This category includes universities, colleges, trade schools, community colleges, professional schools, etc. Multidisciplinary teams are encouraged.

## **Internship & Research Programs**

The [National Aeronautics and Space Administration](#) Undergraduate Student Research Program (USRP) offers undergraduates across the United States mentored internship experiences at NASA Centers and research support facilities. The NASA Undergraduate Student Research Program is NASA's largest nationwide internship program.

NASA USRP is an internship program that offers NASA research and development opportunities to undergraduate students. USRP internship opportunities give students the ultimate workforce preparatory experience for careers in Science, Technology, Engineering and Mathematics (STEM). USRP is one of most highly comprehensive internship programs for undergraduate students within the STEM majors. Students work on practical problems that will see real applications in aerospace or on future NASA missions. These immersive NASA opportunities combine scientific research with professional hands-on engineering. A USRP

internship will be the first step toward a career at NASA, or within the science and engineering workforce. USRP internship opportunities are offered year round in the Fall, Summer and Spring.

The USRP experience is a NASA internship that places qualified undergraduates with outstanding NASA mentors in a challenging working environment. Students from around the country work on a NASA project developed to meet the needs and goals of the NASA Center and Mission Directorate. Through the USRP website students apply for the internship program and NASA mentors select students for available project positions. The USRP website is also a valuable resource of information in regards to NASA internships and NASA Centers and NASA research focus areas. Research NASA's wide variety of scientific and technical research areas through the USRP website and find your career vision through a NASA USRP internship.

Apply now and join NASA for the experience of a lifetime!

The NASA Undergraduate Student Research Program is managed for NASA by *the Universities Space Research Association in Houston, Texas*

<http://usrp.usra.edu/>

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### **National Internship Programs available through OSSI**

Achieving Competence in Computing, Engineering and Space Science (ACCESS)

Motivating Undergraduates in Science and Technology (MUST)

National Space Grant College Program (Space Grant)

Undergraduate Student Research Program (USRP)

University Research Centers (URC)

NASA Academies

Lewis' Educational and Research Collaborative Internship Project (LERCIP) College

Science Technology, Engineering Pipeline for Underserved Populations (STEP UP)

Student Intern Program (SIP)

Summer Institute in Earth Sciences (SIES)

Summer Institute in Engineering and Computer Applications (SIECA)

<http://www.nasa.gov/audience/forstudents/postsecondary/programs/index.html>

[https://intern.nasa.gov/solar/web/public/main/index.cfm?solarAction=view&subAction=content&contentCode=HOME\\_PAGE\\_INTERNSHIPS](https://intern.nasa.gov/solar/web/public/main/index.cfm?solarAction=view&subAction=content&contentCode=HOME_PAGE_INTERNSHIPS)

### **Science Undergraduate Laboratory Internship (SULI)**

The DOE's SULI program encourages undergraduates from 2- and 4-year colleges to pursue STEM careers by providing research internships at one of 17 DOE National Laboratories.

Applications solicited annually for three separate internship terms. Internships are 10 weeks during the Summer Term (May through August) or 16 weeks during the Fall (August through December) and Spring (January through May) Terms.

Program is sponsored and managed by the DOE Office of Science's, Office of Workforce Development for Teachers and Scientists (WDTS) in collaboration with the DOE National Laboratories.

DOE WDTS also partners with the National Science Foundation (NSF); institutions associated with select NSF programs may apply to NSF for supplemental funds to support a SULI internship at a DOE National Laboratory.

<http://csee.lbl.gov/Programs/SULI/index.html>

### **Community College Internship (CCI)**

The program seeks to encourage community college students to enter technical careers relevant to the DOE mission by providing 10-week internships at one of 13 DOE Laboratories.

Interns work on technologies or instrumentation projects or major research facilities related to DOE's ongoing R&D programs, under the guidance of laboratory staff scientists or engineers.

The CCI program is sponsored and managed by the DOE Office of Science's Office of Workforce Development for Teachers and Scientists (WDTS) in collaboration with the DOE National Laboratories.

Applications for the CCI program are solicited annually for the Summer Term.

DOE WDTS also partners with the National Science Foundation (NSF); institutions associated with select NSF programs may apply to NSF for supplemental funds to support a CCI appointment at a DOE National Laboratory

<http://csee.lbl.gov/Programs/CCI/index.html>

### **Chabot Space and Science Center**

Chabot Space & Science Center offers unpaid internships each year. Interns work directly with Chabot staff toward a goal of creating a world-class education and entertainment experience. Duties are varied and individuals will be matched to assignments based on fields of interest and the needs of the Science Center.

#### **Who can apply?**

Internships are designed for undergraduate students who have completed a minimum of one year of study (or the equivalent), graduate students, recent graduates (no more than two years out of school), and career-changers currently enrolled in a degree program.

## **Time commitment**

Chabot Space & Science Center internships are 3 - 6 months long (full or part time). However, the duration and hours required may vary depending on internship area. International students are invited to apply. College credit may be available through your college or university.

<http://www.chabotspace.org/employment.htm>

## **CCWinter/FASTRACT Winter Research Program for Community College Students**

2013 Winter Internship for Community College Students at the UC Davis Center for Biophotonics Science and Technology (CBST) in Sacramento. As many of you know, this program is intended for community college students transferring to UC Davis.

For details and application information, please visit: <http://cbst.ucdavis.edu/education/community-college/internship-community-college/program-details>

## **The NSF Engineering Research Center for Sensorimotor Neural Engineering (CSNE) is a global hub for delivering neural-inspired sensorimotor devices**

Summer opportunity (Seattle, instate for WA, but out of state are also encouraged to apply!) And you get paid for this experience! 😊 Find out more about the Undergraduate Programs(<http://www.csne-erc.org/education/undergraduate-programs>).

The applications for the CSNE summer REU program are online at: <http://www.csne-erc.org/node/14/summer-research-program-application>

## **STEM Teachers Scholarships**

<http://www.afcea.org/education/scholarships/undergraduate/TeachersScholarship.asp>

## **SCIENCE, MATHEMATICS, AND RESEARCH FOR TRANSFORMATION (SMART)**

<http://smart.asee.org/>> <http://smart.asee.org>

## **Paying For College Student Resource Guide:**

<http://roybal-allard.house.gov/uploadedfiles/2012-2013paying-for-college.pdf>

## **MALDEF The Latino Legal Voice for Civil Rights in America:**

<[http://www.napavalley.edu/StudentServices/TRIO/Documents/Scholarship%20Information/MALDEF%20Scholarship List 2010 2011.pdf](http://www.napavalley.edu/StudentServices/TRIO/Documents/Scholarship%20Information/MALDEF%20Scholarship%20List%202010%202011.pdf)>

<http://maldef.org/leadership/scholarships/resources>

## **Advancing Hispanic Excellence in Technology, Engineering, Math, and Science, Inc.:**

<http://www2.lanecc.edu/sites/default/files/mcc/chicanolatinoscholarshipinfo.pdf>

Davidson Institute for Talent Development <http://www.davidsongifted.org/fellows>

### Scholarships by Major

<http://www.scholarships.com/financial-aid/college-scholarships/scholarships-by-major/library-science-scholarships>

**12 Scholarships for Hispanic Students Interested in STEM** <http://www.usnews.com/news/blogs/stem-education/2011/12/15/12-scholarships-for-hispanic-students-interested-in-stem>

**San Francisco International Airport (SFO)** is seeking students to be part of our Summer Student Engineering Program Internship. Accepting applications to fill our summer internship positions in the following areas:

- Architecture
- Civil, Electrical & Mechanical Engineering
- Computer Science/Information
- Geographic Information Systems
- Traffic Engineering

Please view the full job scope of the Student Internship Program for specific details and the requirements on how to apply: <http://www.sfstudentintern.org/>

**The Cornell University LSAMP Summer Undergraduate Research Program is accepting applications!**

### **CU LSAMP-R offers participants:**

A research stipend of \$3,400

A round-trip travel stipend up to \$300 for students living outside of Ithaca, NY

A double room in a residential hall

A campus bus pass or a campus parking pass

Access to state-of-the-art laboratories, libraries, computer/study lounges, etc.

Please visit <http://www.engineering.cornell.edu/diversity/summer/lamp.cfm> for more information about the program and to apply.

**The Center for Energy Efficient Electronics Science (E<sup>3</sup>S) is accepting applications for summer internship positions at UC Berkeley, MIT, and Stanford.**

***What is the E<sup>3</sup>S Summer Research Program?*** A 9-week program that introduces energy efficient electronics science to undergraduates who are interested in pursuing a Ph.D. in science and engineering. Summer interns have the opportunity to join E<sup>3</sup>S researchers working in a collaborative and innovative environment to make fundamental breakthroughs in the underlying physics, chemistry, and material science of electronics systems. Learn more at: [www.e3s-center.org/research/](http://www.e3s-center.org/research/)

Online application at: <http://www.e3s-center.org/E3SREU2013.htm>

**The University of Southern California's Center for Dark Energy Biosphere Investigations (C-DEBI), funded by the NSF, offers an all-expense paid four-week intensive introductory course, Global Environmental Microbiology (GEM).**

**Where:** University of Southern California

**Who:** Undergraduates from 2 or 4-year colleges

**Cost:** FREE, including travel, plus modest stipend

**How to apply:** Application available on line <http://www.darkenergybiosphere.org/education/undergrads.html>

**Note:** *First generation college, women, and under-represented students encouraged to apply*

**The Dwight Look College of Engineering at Texas A&M University invites students from your program to apply for the 2013 Undergraduate Summer Research Grant (USRG) Program.** During this summer research experience, participants work closely with faculty members on current or individual research projects, attend development and GRE workshops, make a formal poster presentation of their research experience, and submit a final written report describing the results of their research.

Additional information and the application can be found at <http://essap.tamu.edu/usrg>.

### **Interactive Biomaterials REU at Syracuse Biomaterials Institute**

Syracuse Biomaterials Institute seeks applications from undergraduates interested in research on biomaterials: synthetic and natural substances to treat disease or injury.

**Possible Research Areas:** Students have the opportunity to do research in any of the following areas: Understanding bacteria-material interactions by surface engineering; Functionalization of biomimetic interfaces via engineered proteins; Control of Natural Polymers for Drug Delivery; 2D and 3D Active Cell Culture; Neurite Outgrowth on Substrates with Modulus Gradients; Smart Drug Release: Furanone release from a shape memory hydrogel; Electrochemical Atomic Force Microscopy of Cell-Surface Interactions

**Eligibility:** Undergraduate students majoring in the following disciplines: Engineering, Chemistry, Biology or Physics with an interest in Biomaterials Science. Most Students will have completed their junior year, although talented students with less experience will be considered for acceptance in the program. Students must be U.S. Citizen or Permanent Resident.

**Stipend:** All participants will receive a stipend of \$5,200 and on-campus housing at no additional expense.

**A center for Disease Control and Prevention (CDC) is the national public health institute of the United States. Three CDC funded internships available this coming summer...**

### **Internship #1**

The [MCHC/RISE-UP Program](#) is a 10-week summer program. The MCHC/RISE-Program is designed for undergraduates in their junior and senior year, and recent baccalaureate degree students (within 12 months of MCHC/RISE-UP program orientation) who are interested in learning more about preventing health disparities. Public health experiences offered to students are:

1. **Clinical/Community:** Students rotate through clinical experiences provided by Maternal and Child Health disciplines (pediatrics, psychiatry, neurology, physiatrist, physical therapy, occupational therapy, nutrition, social work, psychology, speech/language, special education and nursing). In addition, students will have planned experiences in providing community-based health care and support systems for underserved groups.
2. **Community Engagement and Advocacy:** Students work with professionals in the University Center of Excellence in Developmental Disabilities, Public Health and related systems on the formation, implementation and evaluation of health care and disability legislation, regulations and practice guidelines. The critical role of engaging underrepresented communities in shaping responsive systems of care receives a special emphasis.
3. **Research:** Students work with research mentors on a wide range of public health prevention, treatment and epidemiological studies. Students receive training in conducting community-based participatory research, which engages communities that are currently underserved by mainstream systems.

A \$3,500 stipend is provided to all program participants. Student housing and round-trip travel for out-of-state applicants is also available.

Website: [kennedykrieger.org/RISE-UP](http://kennedykrieger.org/RISE-UP)

Questions: [MCHC-RISE-UP@kennedykrieger.org](mailto:MCHC-RISE-UP@kennedykrieger.org)

## **Internship #2**

The [Dr. James A. Ferguson Emerging Infectious Diseases Fellowship](#) is a nine-week summer program that begins May 26, 2014 and ends July 25, 2014. The Ferguson Fellowship is for students currently enrolled full-time in a medical, dental, pharmacy, veterinary, or public health graduate program who are interested in learning more about the area of infectious diseases and health disparities. Fellows may also gain clinical experience and develop leadership skills.

### **Program Benefits:**

- A \$4,000 stipend is provided for all participants.
- Housing and round-trip travel are also available for out-of-state students.
- Sponsorship to attend a national scientific meeting following abstract submission
- Sponsored membership in the American Public Health Association (APHA)

Website: [kennedykrieger.org/Ferguson](http://kennedykrieger.org/Ferguson)

Questions: [Ferguson Fellowship@kennedykrieger.org](mailto:Ferguson_Fellowship@kennedykrieger.org)

### Internship #3

The [Public Health Leadership and Learning Undergraduate Student Success \(PLLUSS\) Program](#) is an eight-week summer public health leadership and research program that continues student support for five hours per week during the academic year. The PLUSS Program is for undergraduate sophomore and rising junior students minoring or majoring in public health with at least a 3.0 GPA on a 4-point scale. PLLUSS Program students will participate in public health research, education on health disparities and urban health issues, professional development, and community health promotion activities. Students will receive mentorship with the goal of successful acceptance and completion of graduate or professional school in the public health area.

Housing and round-trip travel expenses for out-of-state students are available. Student stipend is \$4,900 per year.

Website: [kennedykrieger.org/PLLUSS](http://kennedykrieger.org/PLLUSS)

Questions: [PLLUSS@kennedykrieger.org](mailto:PLLUSS@kennedykrieger.org)

**All program activities are contingent on CDC funding.**

### **UC BERKELEY-TRANSFER TO EXCELLENCE (TTE) SUMMER RESEARCH PROGRAM**

<http://www.e3s-center.org/education/edu-tte-reu-appl2.htm>

### **UC BERKELEY-TRANSFER-TO-EXCELLENCE FOR COMMUNITY COLLEGE STUDENTS**

<http://www.e3s-center.org/education/edu-tte-oview.htm>

### What is NCAS?

*NCAS encourages community college students to explore the exciting possibilities of careers in science, technology, engineering, and mathematics (STEM) by engaging them in an online & hands-on NASA based team experience. **Through a competitive process, applicants are required to complete web-based modules in addition to meeting basic qualifications. Selected students embark upon a 3-day onsite robotics team design challenge at a NASA Center.** With this exciting STEM based experience, they will work in teams to complete the challenge, tour the NASA facilities, & interact directly with NASA astronauts, engineers and scientists! **All travel and accommodation expenses are paid at no cost to the student***

Please visit the website to apply and for more information: <http://ncas.aerospacescholars.org/>

