

**2022 UCLA
Summer Programs for
Undergraduate/Graduate Research
(SPUR) Booklet**



Summer 2022

Dear Student,

Welcome to UCLA! We are delighted that you are participating in the UCLA Summer Programs for Undergraduate and Graduate Research (SPUR). These programs are designed to encourage and train students who are interested in learning more about graduate school and academic careers in research and teaching. You will have an exciting opportunity to work with faculty, postdoctoral scholars and graduate students on an individually mentored research project.

You will also learn first-hand about graduate programs at UCLA and develop a valuable network of contacts who can support and assist you in applying to graduate school. As one of a cohort of outstanding students chosen to participate in SPUR, we hope you will consider applying to UCLA for your graduate studies.

I hope that you will find your SPUR experience to be both intellectually stimulating and fun and that you will take advantage of the many resources UCLA offers. Please do not hesitate to contact a Program Coordinator if you have any questions or if we can be of any assistance to you.

With best wishes for an enjoyable and rewarding summer,

A handwritten signature in black ink, appearing to read "Susan L. Ettner".

Susan L. Ettner
Interim Dean, Graduate Division

Summer 2022

Dear Student,

It is our pleasure to welcome you to the 2021 season of the UCLA Summer Programs for Undergraduate and Graduate Research (SPUR). The various programs participating in SPUR have a common goal: to provide students the knowledge, support, and experiences they need to learn about graduate school and the career choices an advanced degree can offer, particularly for those interested in pursuing a future in research and teaching. Programs involved in SPUR give students the opportunity to conduct research with a faculty, graduate student, or postdoctoral mentor, participate in professional development workshops, and mediate connections with members of the community that can provide support and career guidance. It is our hope that you consider becoming part of the UCLA family by applying to one of our many graduate programs at the forefront of research, discovery, and change.

We hope you enjoy your time as a member of SPUR and look forward to serving you in your pursuit of opportunities in this new and changing world. Please do not hesitate to contact your Program Coordinator if you have any questions or if we can be of any assistance to you.

All the best,

UCLA Undergraduate Research Center - Sciences

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Introduction

The UCLA Summer Programs for Undergraduate and Graduate Research (SPUR) Booklet is intended to provide detailed information about the programs' design, campus facilities and amenities. Included is information about workshops, program scheduling, individual program descriptions and sample schedules from a previous year's programs. The Booklet is intended to serve only as a guide and is not a comprehensive description of all policies and procedures of the program. **Individual Programs have final discretion on all decisions and policies.**

The UCLA SPUR programs run conjointly to expose participants to a myriad of learning and research opportunities. Interaction with intellectual peers from a variety of disciplines provides a more academically enriching environment. The common goal of the UCLA SPUR is to prepare participants for the graduate school experience. Participation in all of the programs requires a full-time commitment. Students are not to work nor enroll in courses during their 8- or 10-week program.

The program begins Sunday, June 19, 2022 and ends Saturday, August 13, 2022 (8-week program) or Friday, August 26, 2022 (10-week program). All participants living in on-campus housing are expected to arrive for check-in between 4:00pm and 6:00pm on Sunday, June 19, 2022. Check-out of the program will be conducted between 8:00am and 11:00am on Saturday, August 13, 2022 (8-week program) or Friday, August 26, 2022 (10-week program). All participants living on- or off-campus will have orientation with their respective programs the morning of Monday, June 20, 2022.*

Although these programs are run collectively and have significant crossover, participants will have rather unique experiences.

**Note: Please check with your respective program of interest about whether it will be conducted remotely or in-person for Summer 2022.*

The individual summer programs are:

- Amgen Scholars Program
- Brain Research Institute Summer Undergraduate Research Experience (BRI-SURE)
- Bruins in Genomics (BIG) Summer Research Program
- California State University Sally Casanova Pre-Doctoral Program
- CARE Science, Engineering and Mathematics (SEM) Summer Research Program
- Community College Field Biology Alliance
- HBCU – The Diversity Project

- HBCU – Evolutionary Medicine: Pathways to PhDs
- HBCU – Neuroscience Pathways Program
- Integrated and Interdisciplinary Undergraduate Research Program (i²URP)
- Maximizing Access to Research Careers (MARC)
- Mellon Mays Undergraduate Fellowship Writing and Research Training Program
- Physics and Astronomy Research Experience for Undergraduates (Physics and Astronomy REU)
- Summer Nursing Program
- Summer Programs for Undergraduate Research: Life and Biomedical Sciences (SPUR-LABS)
- University of California Leadership Excellence through Advanced Degrees (UC LEADS)
- UCLA Neuroscience Scholars Program (NeuroScholars)
- UCLA Public Health Scholars Training Program

Overview

The following is a description of the workshops, events, facilities and amenities made available to participants of the UCLA Summer Programs for Undergraduate/ Graduate Research (UCLA SPUR). Applicants should carefully review the information before applying to any of the programs to determine whether UCLA is an appropriate match. Also included are the policies and procedures of participation in the program. You may indicate up to two program choices on the online application.

A Typical Week

Participants will be engaged in a variety of research projects and will each have slightly unique schedules. The following is a general guide to assist applicants in understanding the structure and schedule of the UCLA SPUR, which is subject to change during the actual program. Described below is a typical day, which could programmatically be the most heavily scheduled day within the week. All other days are reserved for independent study, library time, etc. **It is the responsibility of the participant to effectively manage their time.** Schedules are provided in advance indicating deadline dates, event dates, workshop times and dates. Libraries and computer labs operate on reduced hours during the summer. The UCLA SPUR strongly recommends participants access these resources during the day.

| Sample Summer Program Schedule | | | |
|---|---|---------|---------------------------------------|
| 7:00 am | - | 9:00 am | Breakfast at Dining Hall ^a |
| 9:00 am | - | 4:30 pm | Seminar |
| Independent Research Time | | | |
| 4:30 pm | - | 5:45 pm | Seminar |
| 6:00 pm | - | 7:00 pm | SPUR Event once in July |
| Sample Schedule: CSU Pre-Doctoral Scholars | | | |
| 7:00 am | - | 9:00 am | Breakfast at Dining Hall |
| 9:00 am | - | 3:30 pm | Independent Research Time |
| 10:00 am | - | 12:00pm | Seminar |
| 1:00 pm | | 3:00 pm | Workshop |
| 6:00 pm | - | 7:00 pm | SPUR Event once in July |
| 6:00 pm | - | 9:00 pm | GRE Prep Course (for 8 weeks) |
| Sample Science, Technology, Engineering, Mathematics (STEM Programs including Nursing) | | | |
| 7:00 am | - | 9:00 am | Breakfast at Dining Hall |
| 9:00 am | - | 4:30 pm | Laboratory, Library, or Computer Lab |
| 4:30 pm | - | 5:45 pm | Seminar |
| 6:00 pm | - | 7:00 pm | SPUR Event once in July |
| 6:00 pm | - | 9:00 pm | GRE Prep Course (for 8 weeks) |

a: Not all programs provide breakfast; please check with the program director

Scholastic and Practical Experience

The programs feature regular seminars on academic career opportunities, standardized test preparation, writing and research skills and strategies for enhancing success in applying to graduate school. Also scheduled are opportunities for informal discussion with UCLA graduate students as well as other cultural and educational activities.

The objective of the programs is to help prepare, motivate, encourage and support students who wish to learn more about the graduate school experience and possibly pursuing an academic career in teaching and research. The following is a list of some of the seminars offered in previous summers. This list does not guarantee that all indicated seminars will be offered this year.

Applying to Graduate School

This 1–2 hour seminar provides participants with information and techniques for preparing for and applying to graduate programs. They will learn what academic preparation is necessary and how to research and identify compatible graduate programs.

Career Options

This is a 1–2 hour discussion on various career options for PhDs. Participants are provided with statistical information based on UCLA graduates.

Curriculum Vita

This is a 1–2 hour seminar on preparing a curriculum vita (academic resume). Participants will learn how to effectively document skills, accomplishments and research experience.

Funding Graduate School

This is a 1-2 hour discussion on the funding opportunities available for graduate school. Participants will be provided with resources and information to research appropriate fellowships and scholarships. Participants will also be presented with techniques to enhance the success of their applications.

Graduate Student Panel

This is a 1–2 hour discussion on the graduate school experience from the perspective of current UCLA graduate students. The graduate student panel will provide honest and open information on identifying appropriate graduate programs, selecting a dissertation committee and life as a graduate student at UCLA.

GRE Preparation Course (*Course materials included.*)

This 18-hour course includes modules on the verbal, quantitative, and writing components of the GRE. Diagnostic testing is incorporated in to the program to help the student best determine their level of preparedness. This course usually meets once a week on Tuesday, Wednesday, or Thursday evenings from 6:00pm to 9:00pm for 8 weeks. Scheduling is subject to change, please check with your program coordinator.

Statement of Purpose

This 1–2 hour seminar is designed to give participants writing tips and the conceptual framework needed to write strong personal statements for graduate school, fellowships and other grant applications.

Preparing a Conference Presentation

This 1–2 hour workshop teaches effective public-speaking skills, offers tips on giving slide presentations and explains the mistakes commonly made by presenters. Participants will be

given the opportunity to practice presenting a small part of their research to others and receive feedback to improve their presentation skills.

Research Proposal

This 1–2 hour seminar provides general guidelines on preparing a research proposal. The workshop attempts to address discipline-specific guidelines.

Using PowerPoint

This 1–2 hour presentation provides a general overview on using PowerPoint to prepare a conference presentation. Attendance at this workshop will be optional and by reservation only.

Weekly Meeting with Current Graduate Students

Weekly meetings are scheduled to provide additional academic support to participants. Participants discuss their work and provide peer feedback on the proposals, outlines, presentations, etc. These workshops are run by Current Graduate Students.

Many of the program participants work independently under the guidance of their faculty mentors. Not all programs will pair students with a mentor (e.g. Mellon Mays program). The following assignments are required components of the program. After review and approval from the faculty mentor, participants are asked to complete the following:

Research Proposal

All participants will be required to submit a proposal for their research paper. Most research proposals will require a topic sentence, methods section and bibliography.

Personal Statement

All participants will be asked to write one personal statement either as part of an admissions application into graduate school or as a component for an application for funding (e.g., grants).

Outline

All Humanities and Social Science program participants will be required to submit an outline of their research paper. The outline should begin with a preliminary introduction and a general thesis statement. Three main points should be included in the body of the outline.

Draft of Research Paper

(Not required for all participants; check with Program Coordinator) Participants will be required to submit a draft of their research paper. The draft should be as close to complete as possible.

Abstract

All participants will be required to submit an abstract of their research paper. Dimensions will be specified by the Program Coordinator but typically includes a description of the final research paper's content and provide information about key findings and recommendations.

Final Research Paper

Most participants (e.g., CSU Pre-Docs, SHI, UC LEADS) will be required to submit a final research paper. The length of the paper is a minimum of 12 typed double-spaced pages and should not exceed 25 pages.

Oral Research Presentations

(Humanities and Social Science programs participants) Participants are required to present their research at a mini-conference with an audience of their peers, faculty, family and other groups. The scheduling of this event is dependent upon the number of participants in the given year, but

typically runs from 2:00pm to 5:00pm the final week of the program (8-week programs). Presentations are panel-style, 15 minutes in length, plus time for questions.

Poster Presentation

(STEM participants) Participants prepare a poster presentation of their research. Posters will be viewed collectively during a poster presentation afternoon, running for approximately 60 minutes.

Participation Testimonials

Participants are asked to prepare a testimonial statement of their experiences in SPUR. Testimonials may be used in the Booklet or program websites for future summer research programs.

Group Activities

To facilitate interaction among the participants, the following events have been incorporated into the Programs' structure. It is the Programs' expectation that interaction with intellectual peers from a variety of disciplines will provide a more academically enriching environment.

Welcome BBQ Reception (tentative date, attendance required)

For 2021, the Welcome BBQ Reception will be Monday, June 21, 5:00pm – 7:00pm, in the UCLA Canyon Point, Sunset Village area. Faculty mentors are invited to attend as well. RSVP required.

Applying to the UC: The Nuts and Bolts of Graduate Admissions (tentative)

A special event for all SPUR participants, this workshop will discuss the various resources and attributes of the UC campus system, especially those at UCLA. Facilitated by the UCLA Graduate Division's Diversity, Inclusion and Admissions (DIA) office, the workshop will also discuss the "Nuts and Bolts of Graduate Admissions" and provide insight for SPUR participants to submit their strongest application.

Other Enrichment Activities (Attendance optional)

Extracurricular activities will be scheduled to provide participants the opportunity to visit some of the culturally enriching areas of Southern California. Program Coordinators will organize several activities for students throughout the summer. Examples of past activities include concerts at the Santa Monica Pier, museum trips, theme park visits, etc. Participants are free to make arrangements for their own activities and may request assistance with transportation from Program Coordinators.

University Policies

All participants are expected to adhere to UCLA's and SPUR policies. Failure to do so could result in the loss of some or all of the stipend, meal allowance and/or other monetary payments. There is also the possibility that those who do not follow policy will be terminated from the summer program and asked to leave the residence hall and UCLA campus.

Applicable policies include but are not limited to the following (visit the following website for full contents of the *UCLA Student Conduct Code*):

https://www.deanofstudents.ucla.edu/portals/16/documents/uclacodeofconduct_rev030416.pdf

Alcohol/Drug Policy

All participants shall abide by University laws and policies concerning the possession and consumption of alcoholic beverages, and all other policies, procedures, rules and regulations of

the University of California, Los Angeles campus, and UCLA Residential facilities. Possession of opened or visible containers (e.g., cups, cans, bottles, cases/boxes) anywhere within or on grounds immediately adjacent to the residential facilities except in an assigned room where the door is closed (for those residential guests over 21 years of age) or at a UCLA catered event is strictly prohibited. The University also prohibits: unlawful manufacture, distribution, dispensing, possession, use or sale of, or the attempted manufacture, distribution, dispensing or sale of controlled substances, identified in Federal and State law or regulations. Possession of paraphernalia for intended or implied use of controlled substances, or paraphernalia possessing controlled substance residue, are prohibited.

Plagiarism and Sexual Harassment

The Chancellor may impose discipline for the commission or attempted commission (including aiding or abetting in the commission or attempted commission) of the types of misconduct delineated in Section II.B of the *UCLA Code*. Discipline may be imposed whether or not such misconduct also violates the law, and whether or not proceedings are or have been pending in the courts involving the same acts. Because of this, students might be involved in University disciplinary proceedings before, after or during court proceedings. Violations or attempted violations include, but are not limited to, the following types of misconduct.

Plagiarism

Plagiarism includes, but is not limited to, the use of another's words or ideas as if they were one's own, including, but not limited to, representing, either with the intent to deceive or by the omission of the true source, part of or an entire work produced by someone other than the student, obtained by purchase or otherwise, as the student's original work or representing the identifiable but altered ideas, data, or writing of another person as if those ideas, data, or writing were the student's original work.

Sexual Harassment

(from UCLA policy on Sexual Harassment and Sexual Violence)

The UC policy on Sexual Harassment states: Sexual harassment is unwelcome advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature, when submission to or rejection of this conduct explicitly or implicitly affects a person's employment or education, unreasonably interfered with a person's work or educational performance, or creates an intimidating, hostile or offensive working or learning environment. In the interest of preventing sexual harassment, the University will respond to reports of any such conduct.

Student Conduct Code Section 102.09 is applicable to the conduct of students who are not acting within the course and scope of UC employment. It provides: "Sexual Harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal, nonverbal, or physical conduct of a sexual nature. Sexual harassment is conduct that explicitly or implicitly affects a person's employment or education or interferes with a person's work or educational performance or creates an environment such that a reasonable person would find the conduct intimidating, hostile, or offensive. Sexual harassment includes sexual violence. The University will respond to reports of any such conduct in accordance with the Policy. "

Facilities

Housing

The UCLA SPUR is a residential program, and participants are provided with residential facilities at UCLA. For Summer 2022, participants will be housed in one of UCLA's housing facilities (TBD). The accommodations call for shared rooming (**two people per room**), which will allow participants from

across the country to interact and form friendships with others from diverse backgrounds. **No individual accommodations will be available.** Room changes are not allowed except under extenuating circumstances. Any rooming issues are to be addressed following the procedures described on the housing information sheet provided to all participants. **All UCLA SPUR accommodations are subject to change. Participants will be notified of confirmed residential accommodations prior to the start of all UCLA SPUR programs.*

All rooms are double occupancy with a communal bathroom for women and men on each floor. All rooms are air conditioned, non-smoking and equipped with Internet access. Participants are responsible for removing and dumping their own trash down the designated trash chute.

Rules for Residents

As a UCLA Resident, you are responsible for knowing and abiding by the On-Campus Housing policies and regulations as outlined in the Student Handbook available at <https://reslife.ucla.edu/rules/> and as stipulated by SPUR and other offices responsible for overseeing the residences (e.g., Housing Services, Office of Residential Life, University Apartments, and Conference Services).

Overnight Guest Policy

Participants are welcome to have visitors, but are not permitted to have overnight guests. No exceptions.

Receiving Mail and Packages

When receiving packages, participants should ask the sender to include the participant's phone number and program name (i.e. CSU Pre DOC, UC LEADS, etc.) to avoid delays in receiving packages. Package delivery will vary depending on the UCLA facility – students will be informed of package delivery location upon check in to the residence.

Key & Access Card Agreement

Participants will be issued a room key-card at check-in. Participants will be responsible for any damaged, lost or stolen key-cards. Any lost key-cards must be replaced. The fee for a replacement key-card is \$10.00; cost subject to increase. The occupant of the room who loses the key-card will be charged for these services. These amounts are subject to change. Updated information will be provided to participants during the check-in process.

Pets

No animals, except service animals, are permitted in the residential facilities.

Quiet Hours

Designated quiet hours are 10:00pm – 9:00am daily. Program participants serious about gaining maximum benefits of the program should be prepared to observe the quiet hours in respect of the study habits of their roommates and hall mates.

Computer Access

Participants are strongly encouraged to bring their own computers if possible. Although every student will be given access to computer labs on campus, access is limited due to reduced operating hours during the summer.

There is an Ethernet connection in each sleeping room. In order to connect to the Internet from the room, participants' computers must have an Ethernet card installed. Ethernet cards may be

purchased through the Student Technology Center on the first floor of the residence hall. Note: There is only **one** port per room, and participants will be sharing a room with one other person.

Sample of computer lab hours *(subject to change)*

| Lab | Location | Mon – Thur | Fri | Sat | Sun |
|---|--------------------------------|-------------------|-------------------|-------------------|--------------------|
| CLICC | Varies | 9:00am– 7:00pm | 9:00am– 5:00pm | 9:00am– 5:00pm | Closed |
| Graduate Student Resource Center (GSRC) | B11 Student Activities Center | 9:00am– 5:00pm | 9:00am– 5:00pm | Closed | Closed |
| Student Tech. Center | 200 DeNeve Drive, Room L-06 | 7:30am– 8:00pm | 7:30am- 6:00pm | 9:00am- 6:00pm | 12:00pm- 5:00pm |

The Science & Engineering Library (SEL)

Included in the mission of the Science & Engineering Library is to: provide access to information generated by or of value to the engineering and the physical sciences research communities; develop, organize, and maintain a collection that attempts to meet the needs of its users; develop and strengthen working relationships with faculty, students, and staff; provide instruction that enables users to access and evaluate information resources; and participate in or respond quickly and creatively to the development of relevant technologies and standards.

Sample of SEL hours *(subject to change)*

| Monday–Friday | Saturday | Sunday |
|---------------|----------|--------|
| 9:00am–5:00pm | Closed | Closed |

Health Insurance

UCLA **does not offer** a health insurance plan for non-UCLA summer program participants. It is very important for participants to understand that insurance will **not** be provided during the period of the program. Thus, **all participants are required to show proof of insurance that is valid during the period of their particular program.** Those without such documentation will be ineligible to participate in SPUR. There are no exceptions to this policy.

For those who need insurance, participants may purchase a Visiting Scholar Plan. For more information, please visit <https://clients.garnett-powers.com/vs/ucla/>

Parking

For Summer 2019, parking costed \$336 for students housed in the residence halls. These prices may increase and are controlled by the UCLA Parking Services. Participants interested in obtaining a parking permit, should inquire with UCLA Parking Services directly to purchase Summer Parking Permits. A UCLA ID number, which can be arranged for you by your program representative and an offer letter stating you will be participating in summer research may be needed at the time of purchasing. Motorcycles and scooters park for free in designated spaced located in many parking lots and structures around campus.

Recreational Facilities

Campus recreational facilities will be available only to participants living in summer program housing. The room keycard allows admission to all recreational facilities. The John Wooden Center and Sunset Canyon Recreational Center include swimming pools, weight rooms, tennis courts, racquetball courts and handball courts. Exercise classes are also offered. Registration and payment for these activities are the responsibility of the participant.

Amenities

Meals

A meal allowance may be provided with your stipend (half at the beginning of the program and half at the end, upon successful completion of all program requirements) or you may receive a meal card from your program. *Individual programs will notify participants if they are to receive a meal allowance.* Participants may use their meal allowance to purchase non-refundable meal tickets or other residence halls' dining services. Sample per-meal prices (Note: prices based on 2016 rates. Exact prices are subject to change)—lunch (served 11:00am–2:00pm): \$14 + tax, dinner (served 5:00pm–8:00pm): \$16 + tax.

Laundry Facilities

Participants have access to laundry facilities within the residence hall. Hours of operation are from 7:00am through 11:00pm. To reduce noise levels and to respect the rest and study of dorm mates, participants are asked to refrain from using the laundry room from 10:00pm to 9:00am. The cost per load is \$1.25 to wash and \$1.25 to dry (prices are subject to change).

Travel Arrangements

All participants living on-campus are expected to arrive on Sunday, June 19, 2022 between the hours of 4:00pm and 6:00pm. Some programs will make all roundtrip air travel arrangements. Others will reimburse travel up to the set limits: a maximum of \$200 for travel within California (but outside the Los Angeles area) or a maximum of \$450 for travel outside California. Please check with the appropriate Program Coordinator to see if you or the program will be making the travel plans. In those programs where travel is arranged for the participant: **Applicants who have accepted participation in the program and who make last-minute changes in travel will be fully responsible for the full cost of travel changes and/or cancellations.** An on-campus house meeting is scheduled for 7pm on Sunday, June 19, 2022. All admitted participants are expected to attend. Plan to arrive at UCLA on Sunday, June 19 and leave Los Angeles, Saturday, August 13 (for the 8-week program) or Friday, August 26 (for the 10-week program).

Participants who are flying into the Los Angeles area will be responsible for arranging their own transportation between the airport and the campus. Participants should come prepared with enough funds to pay for taxi fare or rideshare services. Students can also use taxi services for drop-off at the housing location. Those participants who have not already reached the travel allowance may request reimbursement for shuttle or taxi fare up to the maximum allotted amount. To request a reimbursement, participants **MUST** submit an **original** receipt to his or her Program Coordinator. No original receipt = no reimbursement.

Check-In

Check-in time is 4:00pm–6:00pm on Sunday, June 19, 2022. The UCLA SPUR Coordinators will be present to welcome and assist you with the check-in process. Luggage storage for those

who arrive outside of allotted hours will be arranged. Students will be notified prior to program start of the location for luggage storage. If you arrive prior to allotted hours, you will **Not** be allowed to check in until 4:00pm.

A room key-card will be provided upon check-in. Participants will be able to purchase parking permits/access cards at check-in if reserved in advance (see cancellation policy and penalty information in the section on Parking above). **Failure to return these items to the designated official could result in a charge of \$100 per item not returned by or at check-out.**

Check-Out

Check-out time is 8:00am–11:00am on Saturday, August 13, 2022 (for the 8-week program) or Friday, August 26, 2022 (for the 10-week program). Later check-out times are not available. The room key-card and mail keys must be returned at check-out. **Participants will be charged for any items that have not been returned to the official in charge at check-out.** Late check-out without prior Front Desk approval or not checking out with the official in charge will result in charges to the participant equivalent to one night's room rate (not per-person rate) for each night the participant is not officially checked out.

Amgen Scholars Program

(Click on the program name above to learn more.)

The Amgen Scholars Program is a national program to increase learning and networking opportunities for students committed to pursuing a career in science or engineering. Students interested in summer research in any area of biomedical science, chemistry, bioengineering or chemical engineering are encouraged to apply. Students will be paired with a UCLA faculty mentor if the student does not already have one. Program typically includes: stipend; housing; meals; 3-day biotechnology conference in Los Angeles; GRE test preparation; luncheons with faculty; workshops; seminars and poster presentations.

- For undergraduates enrolled in four-year colleges and universities in the U.S., Puerto Rico and other U.S. territories.
- For sophomores (with 4 quarters or 3 semesters of college experience), juniors and non-graduating seniors (who are returning in the fall to continue their undergraduate experience).
- Must have a cumulative G.P.A. of 3.2 or above.
- Must be interested in pursuing a Ph.D. or M.D./Ph.D.
- 10 weeks (all participants must be able to attend the program for its entire duration. Be sure to check your fall term start date before applying).
- If you have questions, please contact Laurie Femmel at AmgenSch@lifesci.ucla.edu.

For more information:

Laurie Femmel
Program Representative
UCLA Undergraduate Research Center – Sciences
2121 Life Science Building
Los Angeles, CA 90095-1606
T: (310) 206-2182
F: (310) 267-2219
Email: AmgenSch@lifesci.ucla.edu
www.ugresearchsci.ucla.edu

Bioscience Scholars Program

(Click on the program name above to learn more.)

The Bioscience Scholars Program (formerly known as SPUR LABS) provides a rigorous eight or ten- week research training experience for undergraduates with interests in a broad range of bioscience disciplines— from molecules to organisms and from basic to translational science. Exceptional research training, integrated with professional development activities, will prepare students to succeed in leading Ph.D. and M.D./Ph.D. programs. The program aims to contribute to diversity, inclusion, and the elimination of barriers to participation in bioscience research careers and is designed for students participating in honors research programs that foster transition to doctoral programs (e.g., Minority Access to Research Careers, MARC). Participants receive a \$4,000 stipend for 8 weeks or a \$5,00 stipend for 10 weeks. Participants will be matched with an appropriate faculty member based on research interests. There are over 400 faculty mentors in ten bioscience research areas.

A complete application includes the submission of the online application form as well as all supplementary materials, including two letters of recommendation and a personal statement that describes your bioscience research interests and any research experience, including how these interests and experiences have shaped your personal and professional goals, and how SPUR-LABS would help you meet these goals. See Bioscience Scholars Program website for full details of supplementary application materials.

Selection criteria: academic preparation and achievement; leadership potential; relevance of research interests and experience; potential for the program to help the applicant achieve his/her career goals; and potential to contribute to the diversity and excellence of the bioscience research enterprise.

Eligibility Requirements:

- - U.S. citizen or U.S. permanent resident
 - Prior to beginning the program, completion of at least two years of undergraduate study
 - Participants may not be UCLA students; UCLA students should consider other summer research opportunities such as CARE SEM or Amgen Scholars
 - Minimum cumulative G.P.A. of 3.0
 - Intention to pursue a Ph.D. or M.D./Ph.D. in a bioscience field and not admitted or enrolled in a graduate program (M.S. or Ph.D.) at the time the program begins

For additional information see Bioscience Scholars [program website](#) or contact the Program Directors, Drs. Gregory Payne and Diana Azurdia at spurlabs@mednet.ucla.edu.

For more information:

Dr. Gregory Payne

Dr. Diana Azurdia

Program Directors

UCLA Graduate Programs in Bioscience

BOX 951570, 2311 Life Sciences Los Angeles, CA 90095-1570 spurlabs@mednet.ucla.edu

<http://bioscience.ucla.edu/>

[Brain Research Institute Summer Undergraduate Research Experience \(BRI-SURE\)](#)

(Click on the program name above to learn more.)

The UCLA Brain Research Institute (BRI) is sponsoring a summer undergraduate research experience (BRI-SURE) program for Minority Access to Research Careers (MARC) Scholars. This program solicits applications from students in MARC training programs from universities and colleges across the nation. BRI-SURE is a 10-week summer research-training program for exceptional students interested in pursuing Neuroscience research careers. The program is designed to provide a rigorous, in-depth research experience to prepare participants for top-quality Ph.D. and M.D./Ph.D. programs in the Neurosciences.

BRI-SURE participants will:

- conduct independent research with outstanding training program faculty mentors
- work in a cutting edge science and technology environment
- gain exposure to some of the nation's finest neuroscience investigators and an extensive variety of research topics
- receive individualized career counseling and develop career interests
- participate in workshops, seminars and journal clubs
- build a social network with student peers and faculty ○ prepare to apply to the best Ph.D. neuroscience programs

BRI-SURE selects participants based on academic achievement, leadership, and commitment to diversity. BRISURE seeks students from either underrepresented or economically disadvantaged backgrounds. **Applicants must be MARC scholars.** The 10-week program includes weekly lectures given by BRI scientists tailored to our students. We also provide training in scientific writing and poster preparation and presentation. The program is under the UCLA SPUR umbrella and participates in many of their campus wide summer activities such as the culminating summer poster day.

For more information:

Dr. Gina R. Poe
Program Director
Terasaki Life Sciences Building
610 Charles E. Young Dr. East
Los Angeles, CA 90095-7239
University of California, Los Angeles
Email: gpoe@ucla.edu

Mr. Larone Ellison
Program Representative
BRISURE@mednet.ucla.edu
<http://www.bri.ucla.edu/outreach/bri-sure>

Bruins in Genomics (BIG) Summer Research Program

(Click on the program name above to learn more.)

Bruins-in-Genomics (B.I.G. Summer) is an 8-week, full- time immersion internship for undergraduates interested in research that involves the analysis and interpretation of biomedical and life sciences data. Students learn the cutting-edge research tools and methods used by leading scientists to solve real- world problems.

Applicants must be:

- A U.S. citizen, permanent resident, or F-1 visa holder
- Be a rising junior or senior
- have a GPA of 3.0 or higher
- have some familiarity with at least one programming language (e.g., Python, R, Java, MATLAB, C++)

UCLA QCB is committed to attracting exceptional students who will contribute to the University's diversity. We especially women, minorities, and individuals with disabilities to apply.

For more information:

Beverlee Turner

Undergraduate Programs Manager

UCLA Institute for Quantitative & Computational Biosciences (QCBio)

Email: bigsummer@ucla.edu

<http://qcb.ucla.edu/big-summer/>

[California State University Sally Casanova Pre-Doctoral Scholars Program](#)

(Click on the program name above to learn more.)

This program is restricted to undergraduate and master's-level students in the California State University Sally Casanova Pre-Doctoral Program. The Program is designed to increase the pool of potential university faculty by supporting the doctoral aspirations of CSU students who have experienced economic and educational disadvantages. Each of the selected CSU Sally Casanova pre-doctoral scholars works closely during the academic year with a CSU faculty sponsor to develop an overall plan leading ultimately to enrollment in a doctoral program. Each of these plans is tailored to specific goals and educational objectives of the student. The Program places special emphasis on increasing the number of CSU students who enter doctoral programs at one of the University of California institutions. Summer Program includes: stipend, on-campus housing or housing allowance, meal allowance, funds toward roundtrip transportation cost, GRE test preparation, workshops and oral presentations.

- Open to all current CSU Sally Casanova Pre-Doctoral Scholars, both graduate and undergraduate.
- To become a CSU Sally Casanova Pre-Doctoral Scholar, please contact the program representative on your CSU campus.
- CSU Scholars complete only the UCLA SPUR on-line application **after they have final approval** from the UCLA SPUR Coordinator; do not submit supplemental materials.
- 8-week structured program.

For more information:

Maridith A. Janssen, Ph.D.

Director

California Pre-Doctoral Program

CSU Office of the Chancellor

401 Golden Shore

Long Beach, CA 90802-4210

Phone: (562) 951-4706

Fax: (562) 951-4982

Email: mjanssen@calstate.edu

<http://www.calstate.edu/predoc/research/>

Beverly V. Yanuaria

UCLA Graduate Division

CSU Pre-Doctoral Summer Program Coordinator

1237 Murphy Hall

Los Angeles, California 90095-1419

Phone: (310) 206-8743

Fax: (310) 825-8099

Email: byanuaria@grad.ucla.edu

[CARE Science, Engineering and Math \(SEM\) Summer Research Program](#)

(Click on the program name above to learn more.)

The Center for Academic & Research Excellence (CARE) SEM Summer Program offers hands-on research experience working in the laboratory of a distinguished UCLA faculty member. Students must identify a faculty research mentor who is willing to write a letter of recommendation for their application to the program. Program includes: stipend, GRE test preparation, workshops, seminars and poster presentations. In person summer programming is subject to change to ensure the health and safety of program staff, students, and faculty. For the most up-to-date information, please visit the CARE SEM Summer Program page on the URC-Sciences' website.

Only for UCLA students who are interested in pursuing research careers in the life sciences, health sciences, physical sciences or engineering.

- Only for UCLA students who are interested in pursuing research careers in the life sciences, health sciences, physical sciences or engineering.
- Minimum 3.0 GPA
- Open to U.S. citizens or permanent residents and AB540 or DACA students who meet all other eligibility requirements.
- A goal of the CARE SEM Summer Research Program is to increase the number of students from underrepresented groups in biomedical and behavioral research who progress towards the attainment of a Ph.D. or MD/PhD degree. African American, Hispanic American, American Indian and Pacific Islander students are encouraged to apply.
- 10 weeks
- To learn more about how to apply to this program, please contact Isabel Martinez at carefs@lifesci.ucla.edu.

For more information:

Laurie Femmel
Program Representative
UCLA Undergraduate Research Center – Sciences
2121 Life Science Building
Los Angeles, CA 90095-1606
T: (310) 206-2182
F: (310) 267-2219
Email: carefs@lifesci.ucla.edu
www.ugresearchsci.ucla.edu

Community College Field Biology Alliance

(Click on the program name above to learn more.)

This is a 9-month research internship designed for community college students. Student interns are assigned a graduate and undergraduate research mentor and meet at UCLA on the first Saturday of each month from April to July to design a field biology based independent research project. In August we travel as a group to a remote field station for 10 days to enact the planned intern research projects. The program culminates with student research presentations.

- Full-time community college student.
- Interest in environmental science, ecology, animal behavior, botany, and similar fields.
- Ability to attend all monthly meetings and field excursion (all expenses covered by the program).

For more information:

Amanda Robin

Program Director

UCLA Ecology and Evolutionary Biology Department

103 Hershey Hall

Los Angeles, CA 90095-7246

Email: robina@ucla.edu

<https://communitycollegefieldbiologyalliance.weebly.com/who-we-are.html>

HBCU: The Diversity Project

The Diversity Project is a 10-week research-intensive summer program funded by the UC-HBCU initiative and the National Science Foundation focused on increasing participation of underrepresented minority students in marine and evolutionary biology. Through fieldwork and laboratory training, students will learn an integrative approach towards the study of the ecology and biodiversity of coral reef ecosystems at the Gump South Pacific Research Station on the island of Mo'orea, French Polynesia. TDP complements student-centered fieldwork and laboratory research with mentoring on career development, ranging from successfully applying to graduate school to choosing a career. TDP faculty also work with students to publish their research and to present their work at national and international meetings.

Requirements:

- Current sophomore or junior standing, or non-graduating seniors
- 3.0 GPA
- Great attitude and willingness to learn SCUBA diving

To learn more information please see [program website](#). To request The Diversity Project application, please contact Program Director, Dr. Paul Barber (paulbarber@ucla.edu).

For More Information:

Dr. Paul Barber

Program Director

UCLA Ecology & Evolutionary Biology

BOX 951606, 2145 Terasaki

Los Angeles, CA 90095-1606

Email: paulbarber@ucla.edu

HBCU: Evolutionary Medicine: Pathways to PhDs

We are looking for undergraduate juniors and seniors from HBCUs to work on Evolutionary Medicine topics at UCLA. Evolutionary Medicine is the study of how evolutionary and ecological principles affect medicine and medical applications, and how medical and clinical problems generate new research questions and ideas in evolution. Evolutionary medicine is fast emerging as an important new field in the biomedical sciences. Representing an interdisciplinary subject that combines ecology and evolutionary biology, anthropology, psychology, zoology, systems biology and microbiology with medicine, the field of evolutionary medicine has the potential to transform the way biomedical researchers and doctors examine medical questions, conduct biomedical research, and treat patients. Summer interns will work closely with a principal investigator (PI) from UCLA's Ecology and Evolutionary Biology Department and a PI from the David Geffen School of Medicine.

Application requirements:

- Undergraduate juniors and seniors from HBCUs to work on Evolutionary Medicine topics at UCLA.
- Send all application materials to Dr. Pamela Yeh at pamelayeh@ucla.edu

For More Information:

Dr. Pamela Yeh

Program Director

UCLA Ecology & Evolutionary Biology
BOX 951606, 4227 Life Science Building
Los Angeles, CA 90095-1606
Email: Pamelayeh@ucla.edu

UCLA-HBCU Neuroscience Pathways Program

The UCLA-HBCU Neuroscience Pathways program is open to undergraduate students that attend historically black colleges and universities (HBCUs) in the United States. The goals of this program are: 1) to increase the impact on students and faculty at both HBCU partner institutions and UCLA and, 2) to incentivize quality mentorship of the interns in our UCLA host labs. We will engage in active research and teaching partnerships that accompany students before and beyond the 8-week internship at UCLA. A group of interested students, selected jointly by the HBCU partner institutions and UCLA will be invited to spend 8 weeks at UCLA doing research in an appropriate host laboratory. Ideally, the research at UCLA will be commensurate with the experience at the HBCU partner institution. We will engage in active research and teaching partnerships that accompany students before and beyond the 8-week internship at UCLA of mentorship in the lab. Interns will be mentored and trained by the faculty members who run the respective labs. Additionally, we will host one "chaperone" HBCU faculty member per year to accompany the student for the first week of the internship- which is intended to foster both scientific collaboration and quality mentoring. To incentivize graduate studies at UCLA for HBCU interns, the BRI will offer a full 5year stipend annually for at least one student, annually, who applies for and is accepted by the NSIDP. Furthermore, we will conduct outcome studies and publish them in a peer-reviewed journal, similar to other BRI outreach efforts. In short, we will take an innovative and holistic approach by providing not only a summer opportunity but by following the student before and after through online tools.

- 8-week program
- Applicants must submit the following:
 - 1) UCLA SPUR Online application form
 - 2) letters of intent
- To learn more about this program, please contact Dr. Ketema Paul (ketema.paul@ucla.edu) or Larone Ellison (Larone@lifesci.ucla.edu).

For More Information:

Larone Ellison

Program Coordinator

Email: larone@lifesci.ucla.edu

<http://www.ugresearchsci.ucla.edu/hhurp.htm>

Integrated and Interdisciplinary Undergraduate Research Program (i²URP)

The i²URP is a two year program that offers junior and senior UCLA students the opportunity to work closely with faculty on biomedical research topics during the academic year and summer. The i²URP is an intensive program to prepare students for PhD studies, alone or as part of a MSTP program. It is not appropriate for students planning to pursue only an MD degree.

The i²URP is supported in part by a grant to the Regents of the University of California from the HH Medical Institute through the Precollege and Undergraduate Science Education Program.

Program Eligibility:

- Applicants must be U.S. citizens or permanent residents, entering their junior year for the coming academic year (must not have more than 145 total units)
- Minimum GPA of 3.5
- Be interested in pursuing graduate degrees (Ph.D., MSTP)

For More Information:

Alec Hernandez

Program Representative

UCLA Undergraduate Research Center -

Sciences Life Science Building 2121 621

Charles E. Young Dr.

Los Angeles, Ca 90095-1606

Email: hhurp@lifesci.ucla.edu

<http://www.ugresearchsci.ucla.edu/hhurp.htm>

Maximizing Access to Research Careers (MARC)

Maximizing Access to Research Careers (MARC) Branch seeks to increase the number of highly-trained underrepresented biomedical and behavioral scientists in leadership positions to significantly impact the health related research needs of the nation. Nationally, groups found to be underrepresented in biomedical and behavioral research include, but are not limited to, African Americans, Hispanic Americans, Native Americans, Alaska Natives and natives of the U.S. Pacific Islands.

Program Eligibility:

- Applicants must have an interest in increasing diversity within the scientific workforce. Diversity includes historically under-represented racial or ethnic groups such as American Indians/Native Alaskans/Aleuts, African Americans, Mexican Americans/Chicano(a)s, Latino(a)s and Native Polynesians (Hawaiians, Samoans, Guamanians). Students with a registered disability are also encouraged to apply.
- 3.2 GPA at the time of application; borderline GPAs also encouraged to apply
- Have Junior standing (completed 90 or more units) at the time that they are to begin as MARC trainees.
- Must be a citizen or permanent resident of the United States.
- A Life/Physical Sciences or Engineering major and conducting research (or planning to conduct research) with a "biomedical" application.
- Students must also have a strong desire to pursue a career in basic research in a biomedical field (PhD, or dual degree program such as MD/PhD) and a commitment to participate in all MARC U*STAR Program activities.
- Complete necessary lab training courses prior to beginning work in research labs and/or receiving funding. The "Laboratory Safety Fundamental Concepts" class is required; please see the EH&S training schedule for class dates and enrollment instructions.

For More Information:

MARC Program Coordinator

Email: marc@lifesci.ucla.edu

Dr. Megan McEvoy

MARC Co-Director

Professor, Microbiology, Immunology, & Molecular Genetics

BOX 951570, 302 Boyer Hall

Los Angeles, CA 90095-7246

Email: mcevoy@microbio.ucla.edu

Dr. Gina Poe

MARC Co-Director

Professor, Integrative Biology & Physiology

BOX 957239, 1032

TLSB Los Angeles, CA

90095-7358

ginapoe@ucla.edu

Mellon Mays Undergraduate Fellowship Writing and Research Training Program

The Mellon Mays Undergraduate Fellowship Writing and Research Training Program at UCLA is an intensive writing and research program for 20 current Mellon Mays Fellows from participating Mellon Mays colleges and universities. Fellows participate in a rigorous scholarly writing and research methodology course, individual and group mentoring sessions, workshops, events, and a final research colloquium. The program also includes on-campus housing and a meal allowance.

- Applicants must be current Mellon Mays Undergraduate Fellows at their colleges or universities
- For rising juniors (first-year MMUF students) or seniors (second-year MMUF students)
- 6 weeks
- Please note that students will NOT be paired directly with a faculty mentor but will take an intensive writing and research course.
- Students will NOT take a GRE preparation course as part of the program.
- Admission to the program is rolling; applicants are advised to apply early due to limited space. Applications will be considered after the deadline only if space is available.
- A complete application includes the submission of the online application form, as well as a brief research statement and a description of summer research goals. See the program website for full details of supplementary application materials.

For More Information:

Dr. Kelly Kistner

Program Director

Undergraduate Research Center – Humanities, Arts & Social Sciences

BOX 951430, A334 Murphy Hall

Los Angeles, CA 90095-1430

Email: urhass@college.ucla.edu

Phone: (310) 825-2935

[Physics and Astronomy Research Experience for Undergraduate \(Physics & Astronomy REU\)](#)

(Click on the program name above to learn more.)

The University of California, Los Angeles, will offer a research experience program in Physics and Astronomy in which undergraduate students will work with a faculty mentor, as well as other professors, researchers and graduate students on a research project. All interested students are invited to apply for this 10 week summer program. The participants will gain direct experience by working in ongoing experimental or theoretical research programs in plasma and beam physics, solid state physics, astrophysics and high-energy physics. All students will attend weekly seminars on current research in physics and will attend machine shop and Physics GRE workshops. The experience will culminate with the writing of a report and presentation of findings at a closing Symposium. The educational part of the program will include social events with participants in other campus research programs, an astronomy camping trip and exploration of the Southern California area.

- 10 Weeks
- Participants must be US citizens or permanent residents enrolled in an undergraduate degree program in physics or astrophysics.
- Student must have finished at least one year of college but may not have completed a B.S. or B.A. degree.
- Student must have a minimum 3.0 GPA. ○ College students from two-year or four-year institutions may apply. ○ Women and students from traditionally underrepresented groups and institutions are encouraged to apply.

For More Information:

Françoise Queval

Academic Coordinator

Physics and Astronomy

1-707A PAB

Box: 95147

Los Angeles, California 90095-1419

Phone: (310) 825-2453

Fax: (310) 825-4147

Email: queval@physics.ucla.edu

<http://www.pa.ucla.edu/content/undergraduate-research-physics-astronomy-reu>

Summer Nursing Program: School of Nursing

(Click on the program name above to learn more.)

Preference will be given to applications that are completed by the program's deadline. Notification of decisions will be made by the end of May 2022.

- This program offers nursing undergraduates in their junior year with outstanding academic potential the opportunity to work on research projects with School of Nursing faculty mentors. It is designed for students who plan to pursue the PhD degree and enter academic careers in nursing. Program includes stipend, on-campus housing, meal allowance, funds toward roundtrip transportation cost, GRE test preparation, formal and informal discussion on career options and other activities. Each student participant will be assigned to a faculty mentor matched as closely as possible to the student's research interests and career goals. Participants will either assist the faculty member in an ongoing research project or, with approval of faculty, work collaboratively with the mentor in designing a new project of mutual interest. Research areas: Biobehavioral Sciences, Biologic Sciences, Health Disparities/Vulnerable Populations and Health Services Research.
- U.S. citizen or permanent resident.
- For qualified nursing students currently holding undergraduate junior status.
- Preference is given to first-generation college students and applicants who are attending Historically Black Colleges and Universities (HBCU), Hispanic Serving Institutions (HSI), Minority Serving Institutions (MSI), Tribal Colleges and Universities Programs (TCUP).
- Cumulative, minimum GPA of 2.80.
- 8 weeks.
- Scholars will be asked to update information on their educational and career activities for a period of up to three years after the completion of the program. This tracking is done solely to evaluate the effectiveness of the program. It is critical that we conduct this long-term evaluation in order to maintain continued funding for the program. The information collected remains strictly confidential.

For more information:

Mark Covin

Director of Recruitment, Outreach & Admissions

School of Nursing

BOX 951702, 2-634 Factor

Los Angeles, CA 90095-1702

mcovin@sonnet.ucla.edu

<https://www.nursing.ucla.edu/admissions/summer-research-program>

[University of California Leadership Excellence through Advanced Degrees \(UC LEADS\)](#)

(Click on the program name above to learn more.)

The goal of the University of California's new Leadership Excellence through Advanced Degrees (UC LEADS) program is to educate California's future leaders by preparing promising students for advanced education in science, technology, mathematics and engineering (STEM). The program is designed to identify upper-division undergraduate students with the potential to succeed in these disciplines, but who have experienced situations or conditions that have adversely impacted their advancement in their field of study.

Scholars are expected to complete the entire two-year program. The research objectives of the program are substantial and require a full-time student commitment. At the beginning of each academic year, scholars will be expected to develop a detailed plan of action with the guidance of their faculty mentor. The Action Plan will include information such as:

- Enrolled at University of California, Los Angeles, in an undergraduate degree program in the physical, life, or computer sciences; engineering; mathematics; physical anthropology, archaeology, geography, linguistics or experimental psychology. Transfer students are encouraged to apply.
- Applicants should apply prior to their junior year and/or should be on track to receive the baccalaureate degree at the conclusion of the second year of the UC LEADS program.
- Required 8 or 10 weeks
- Citizens or permanent residents of the United States
- Interest in using the doctoral degree to promote diversity in science, engineering and mathematics fields; and demonstrate perseverance and commitment to educational achievement.
- Students who intend to pursue professional graduate degrees in management (MBA), law (JD), medicine (MD) or dentistry (DDS) are not eligible for this program.

For more information:

UC LEADS Program

Email: UCLeads@college.ucla.edu

www.ugresearchsci.ucla.edu

[UCLA-HSI SOMA Summer Fellows](#)

(Click on the program name above to learn more.)

The SOMA-Neuroscience program supports a deeper Hispanic/LatinX participation in neuroscience, and ultimately pursuit of a neuroscience doctoral degree. Starting in 2022, we will select and invite a small group of interested students (3-7 students annually) from our partner Hispanic-Serving Institutions, or HSIs, for an 8-week summer immersive, in-person experience at UCLA to do research in a host laboratory. Enrolled at University of California, Los Angeles, in an undergraduate degree program in the physical, life, or computer sciences; engineering; mathematics; physical anthropology, archaeology, geography, linguistics or experimental psychology. Transfer students are encouraged to apply.

The requirements for acceptance into the program include:

- A major in one of the natural sciences, including Psychology
- A minimum GPA of 3.0
- Academic transcript
- Curriculum Vitae
- Two letters of recommendation from science faculty
- Summary of prior research, if any (500 words or less)
- Summary of interest in neuroscience (1000 words or less)

For more information:

Dr. Alicia Izquierdo

Program Director

profizquierdobns@gmail.com

<https://bri.ucla.edu/undergraduate-summer-research-programs/uc-hsi-soma-summer/>

[UCLA Neuroscience Scholars Program \(NeuroScholars\)](#)

(Click on the program name above to learn more.)

The [UCLA Neuroscience Scholars program](#) is a 10-week intensive summer research training experience for exceptional sophomore and junior undergraduates that are committed to pursuing a graduate degree in neuroscience. Neuroscience Scholars will be paired with a UCLA faculty mentor based on their research interests. The first 2 weeks of the program will consist of hands-on workshops and/or lectures that cover fundamental experimental approaches for neuroscience research. For the remaining 8 weeks of the program, students will conduct discovery research in the laboratories of their faculty mentors. The program also includes: \$5000 stipend, journal clubs, lunches with faculty, career development workshops, seminars and poster presentations.

- For sophomore and junior undergraduates in Neuroscience, Physiological Sciences, Psychobiology and other neurobiology-related fields.
- Must have a cumulative G.P.A. of 3.2 or above • Must be interested in pursuing a Ph.D. or M.D./Ph.D.
- Must be able to devote full-time effort over the entire duration of the 10 week program
- Previous research experience is preferred
- Applicants must submit 1) UCLA SPUR online application, 2) personal statement summarizing your neuroscience research interests (limit 1000 words), 3) list of 3-5 neuroscience faculty mentors that you would like to work with, 3) summary of prior research, if any (limit 1000 words), 4) two letters of recommendation from science faculty, 5) resume/CV, 6) academic transcript

For more information:

Dr. Jeff Donlea
Program Co-Director
UCLA Neurobiology
BOX 951763, 63-251 CHS
Los Angeles, CA 90095-1763

Dr. Elaine Hsiao
Program Co-Director
UCLA Integrative Biology & Physiology
BOX 957239, 3825A MSB

Email: NeuroScholars@ucla.edu

[UCLA Public Health Scholars Training Program](#)

(Click on the program name above to learn more.)

The UCLA Public Health Scholars Training Program provides undergraduate students the opportunity to explore the field of public health through hands-on training, structured workshops, group events, volunteering opportunities, and leadership and professional development. Located in Los Angeles, the program offers scholars the opportunity to train at UCLA, to explore public health in one of the most diverse counties in the US, and to experience the city's vibrant culture. We work with community-based organizations, health systems, and government agencies to offer field placement opportunities for scholars that focus on health equity.

- Interest in exploring a career in the field of public health
- Open to all majors/disciplines.
- By the start of the program, be enrolled in a four-year institution (community college transfers eligible) and have completed at least two years of undergraduate education OR graduated Spring term 2020 or after and have not officially enrolled in a graduate program.
- Ability to be present in LA and participate in program activities from June 20 - August 13, 2021.
- Willingness to attend social and volunteer events on evenings and occasional weekends (virtually and in-person).
- Willingness to stay engaged with program for alumni tracking, professional development opportunities, maintaining contact with cohort, and participate in recruitment for the 2022 cohort.
- Successful submission of all application materials
- There is no GPA requirement
- For questions, please contact phscholars@ph.ucla.edu

For more information:

Elaine Owusu
Program Coordinator
UCLA Fielding School of Public Health
16-035 Center for Health Sciences
Los Angeles, CA 90095-1772
Email: phscholars@ph.ucla.edu

Frequently Asked Questions

Application Process

When is my application due?

For your application to be considered complete, **all** materials must be **received** by the Program's deadline. This includes verification of financial aid, transcripts and letters of recommendation. Incomplete applications will not be given full consideration.

May I apply for more than one program?

Yes. On the online application, you have the option to indicate up to two summer programs for which to be considered.

How will I know if my on-line application is complete?

Once you've completed entering the application information, you must hit the "submit" button. Once you do, you will receive a confirmation page to keep for your records.

How will I know if my support materials have been received?

Applicants can review the status of their application via the SPUR application website at <https://grad.ucla.edu/admissions/diversity/summer-programs-for-undergraduate-research-spur/online-application/> by clicking on the "view status of your application" link. Information will be updated as materials are received.

May I apply if my GPA is less than the stated minimum?

Be sure to check the eligibility requirements for the specific program(s) to which you are applying. In some cases, you might still apply, but as these are all very competitive programs, a lower GPA may be a disadvantage.

How can I tell if I need to fill out the financial aid verification form?

Financial aid is usually given in the form of repayable loans (e.g., Stafford). Students receiving grants or stipends that do not have to be paid back are **not** receiving financial aid. Be sure to complete the online application according to your situation. If you are receiving a grant or scholarship and you check the "receiving financial aid box," we will await your financial aid verification. Your application will be considered incomplete until the verification is received.

May I FAX in materials to meet the deadline?

Original documents are required. Special consideration will be given to applicants who are currently overseas. It is highly recommended that you contact the Program Coordinator to establish a reasonable plan of action.

Must all materials be submitted at one time?

Letters of recommendation, transcripts and verification of financial aid package may arrive under separate cover but all must be **received** by the Program's deadline.

How many SPUR participants each year?

There were approximately 250 participants in the 2019 SPUR cohort.

One or more pieces of my contact information have changed, how can I update my application information?

You may access the on-line application and select the update information option. You will be asked to enter your email address and password to access your record.

Do I need to have a faculty mentor selected before applying to the program?

Depending on the program, you are not at any disadvantage if you do not have a pre-selected faculty mentor. A faculty mentor may be arranged for you if you are selected to participate in the program. However, if you wish to suggest a faculty mentor, first we suggest reaching out to the Student Affairs Officer in the faculty member's department. The Student Affairs Officer may be able to offer insight to potential faculty mentors for you to contact. Not all programs will pair students with faculty mentor, please check with your program of interest for more information. Contact information for individual departments can be found on the Graduate Division website at <https://grad.ucla.edu/>

How is my application reviewed?

Applications will be sent to the coordinator of the program deemed to be best suited for the student and his/her research interests. Consequently, you may be contacted by a coordinator from a program that differs from the one to which you had originally applied. A faculty review committee set up by the specific program will review all applications for that program.

How will a faculty mentor be selected for me?

Depending on the program, each student participant will be assigned to a faculty mentor with special expertise and interests matched, as closely as possible, to the participant's research interests and career goals. Participants will either assist the faculty member in an ongoing research project or work collaboratively with their mentor in designing a new project of mutual interest. If you wish to suggest a faculty mentor, we suggest reaching out to the Student Affairs Officer in the faculty member's department. Not all programs will pair students with faculty mentor, please check with your program of interest for more information. Contact information for individual departments can be found on the Graduate Division website at <https://grad.ucla.edu/>.

Am I able to enroll in summer classes while participating in the summer research program?

The program is quite intensive and requires a full-time commitment. It is highly recommended that you not enroll in classes during the summer.

Guidelines for Faculty Mentors and Student Participants

Student Expectations

Participants will be assigned to ongoing research projects based on their defined area of research interest. **Participants are required to contact their assigned faculty mentor once** on the UCLA campus to discuss the nature of the work to be undertaken and to develop a schedule for future contact and project research.

Each student's specific research program will differ according to the faculty mentor and subject matter. Only in some cases will research undertaken by the student be "original." In all cases, however, participants should be shown where and how their work fits the overall goal or direction of the mentor's research.

Participants should expect to put in a full-time effort on their projects, which may include work on evenings and weekends, as the project and mentor/advisor may require. Research mentors will expect continued and sustained work throughout the eight or ten weeks from the student researchers.

Participants should expect **to meet at least once a week** with their research mentor/advisor, or more often depending on the project and the mentor's arrangement. Less frequent contact is not advised unless the research mentor/advisor will be away from campus or unless prior arrangements are made.

Participants will be expected to meet with the program staff/graduate assistant once a week during regularly scheduled meetings to discuss the progress of research project.

After discussion with the faculty mentor, participants will be required to submit a research proposal that will be due no later than the end of the third week of the program. This proposal will outline the research to be conducted and expected results of the project.

At the end of the program, humanities and social science participants will be required to prepare an oral presentation about research results and conclusions. Science students will be required to prepare a poster presentation about research results and conclusions. A final paper must also be submitted to the Program Director(s) and to the faculty mentor by the end of the eight-week of the program. The length of the paper should be a minimum of 12 typed, double-spaced pages.

Participants can expect advice and guidance about graduate school admission, graduate work career opportunities in research and teaching, and the nature of academic life from the research group and from the Summer Programs for Undergraduate Research staff.

Participants will be asked to evaluate the program and their research experience at various periods during the program and beyond.

Faculty Mentor Expectations

Research mentors are asked to interact with the student researcher to integrate him/her fully into the research team, and to supervise the student's research activities. Participants **should not** be involved with daily clerical responsibilities nor should their work be mainly composed of laboratory maintenance.

Research mentors should work with the student(s) to develop a work schedule for the student's project, outline research goals and methodologies, and establish guidelines for the student researchers to follow. The Program Coordinators may ask for a written outline of the student's work plan (proposal) by the end of the third week of the program.

Research mentors will acquaint participants with the "culture" of research and will discuss career opportunities in the discipline, especially teaching and academic research. One of the program benefits to the student is developing a professional relationship with the faculty mentor. Frequent interaction with the student provides the mentor with knowledge about the student's ability, work, performance, and potential for graduate school. Participants will therefore be encouraged to ask their mentors for letters of recommendation when they apply to graduate school.

Research mentors should help the student prepare the final report of the project and develop the oral presentation or the poster for the research symposium at the end of the session. The mentor and/or the graduate student program assistants will also be responsible for editing the student's paper for final submission to the graduate division.

Research mentors are expected to be in contact with the participants before they arrive on campus in order to outline the nature of the project and, if possible, provide a preliminary reading list. Participants will be instructed in their letters to contact you, his or her faculty mentor, by telephone or email to discuss the nature of the research project that will be conducted during this eight- or ten-week program.

Research mentors may expect ongoing written or oral reports (or both) from the participants as deemed necessary. Research mentors will be asked at the end of the program to submit an evaluation form on the student's work.

If a student must miss a required activity because of the research project or other related activity as required by the faculty mentor, the student will be asked to inform the staff by email and copy you on this message. This is done to maintain communication between faculty mentors and the program.

Research mentors are encouraged to attend their student's research presentation to be given at the research symposium at the end of the program. **Participants must complete all requirements for the program, and all work must be judged by the faculty mentor to be satisfactory.** Participants will be requested to have faculty mentor signatures on all assignments.