

Environmental Toxicology

Jobs, Internships, and Activities Newsletter

February 1st, 2017

Prepared by ETX Undergraduate Advising Services

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Announcements

ETX 127 Information Session

When: Wednesday, Feb 1st

Time: 5:30pm-6:30pm

Where: 1138 Meyer (Foster Room)

ETX 127

Instructor: Professor Gary Cherr

Course Overview: Course addresses how pollutants impact the most sensitive life stages of marine organisms: their embryos and larvae. Students will gain experience in experimental aspects of reproduction and development of marine organisms and how environmental stress impacts these events. The course will include an intense lecture-lab component as well as an independent research project. The course is worth 10 units, which can be applied to your ETX major emphasis requirements (if applicable).

When and Where: Summer Session I – 6 weeks at the Bodega Marine Lab

For more details, please visit the BML Summer Session 1 website [here](#).

Interested students are invited to attend this information session.

New Undergraduate Seminar: Air Pollution and Lung Health

When: Pass/No Pass Undergraduate Seminar (1 unit)

Olson 109, (F) 10:00-10:50am

CRN: 25444

"The primary goal of this seminar is to provide an in depth exploration of a topic that is relevant to California, but is often not discussed in a traditional biology class. After taking this seminar, students will be able to engage in conversations about air pollution, and will have context for understanding how air pollution contributes to the development of lung disease. Students will have a basic understanding of how to read and extract critical information from primary scientific literature, developing effective communication skills and cognitive ability. Students will have opportunities to engage with their peers, will gain confidence participating in group discussions and will practice research and writing skills essential for lifelong learning."

The full course description and grading information is attached. This course is relevant

for undergraduate students with an interest in environmental toxicology, air pollution, respiratory disease, and/or medicine.

If you have additional questions, please contact Laura Van Winkle (lsvanwinkle@ucdavis.edu) or Sarah Carratt (sacarratt@ucdavis.edu).

Finding a Health Related Internship

When: Tuesday, Feb 14th

Time: 2:10 P.M - 3:00 P.M

Where: 114 South Hall

Intern in a hospital or other setting with patients (dental, optometry, pharmacy, etc.) to see if healthcare is a match for you and to gain a competitive edge.

Important Dates/ Deadlines

- Instruction Begins - January 9th
- Last Day for 10 Day Drop Deadline - January 23rd
- Last Day to Add Courses/Waitlist - January 25th
- Last Day for 20 Day Drop Deadline - February 6th
- Last Day for Opt P/NP Grading - February 13th
- Instruction Ends - March 17th
- Winter 2017 Final Exams: March 20-24th
- Quarter Ends - March 24th



Jobs and Internships

Aggie Job Link

This section of the newsletter includes the Aggie Job Link ID numbers that you can use to search for job or internship positions. If you do not already have an account, go to [Aggie Job Link](#), hit the “register” button, and sign up to customize your profile.

<u>Job/Internship Title</u>	<u>Deadline</u>	<u>AJL ID #</u>
Environmental Specialist Intern	Feb 3rd, 2017	821372

Ecology/Geology Internship	Jan 31, 2017	819506
Student Assistant: Beal Lab	Feb 1, 2017	820814
Clinical Nutrition and Molecular Bio Research	Jan 31, 2017	820828
E. & J. Gallo Winery: Chemistry Internship	Feb 21, 2017	820443
Pharmacy Technician	Feb 28, 2017	753949
Computational Biology Intern	Mar 02, 2017	819794
Urban Gardening Internship	All year round	-----
Jewish Urban Farming Fellowship	All year round	793805
Invasive Plant Management Intern	All year round	-----

Environmental Specialist Intern

Application Deadline: Feb 3rd, 2017

AJL # 821372

Location: Sacramento, CA

Purpose: The Long Range Asset and Management Plan program will develop a SMUD Assets and Vision Plan for all SMUD Assets and Infrastructure Project Planning. The program will ensure that there is a comprehensive document that identifies all SMUD Assets and uses. The plan will provide an evaluation of SMUD assets under existing conditions, development needs opportunities and constraints and provide a comprehensive planning timeline for SMUD future asset and facility development. The first tier will be the development a HQ Campus Master Plan where we will identify and align all asset and infrastructure projects on the HQ Campus for the next 20 calendar years. Construction projects and opportunity areas that support the SMUD 3.0 vision will be identified.

Work includes but is not limited to the following:

- Coordinate an environmental planning, development and permitting process in order to streamline organizational costs and levels of effort
- Assist with permitting
- Work on the workflow integration program and the mitigation bank

Minimum Qualifications:

- Must currently be a full time student during the spring semester OR during the winter quarter and spring quarter of 2017
- Must be a full time student in the fall semester/quarter of 2017
- Minimum 2.0 GPA
- No more than two moving vehicle violations in the last two years
- No relatives employed by SMUD

- Have basic knowledge of CEQA policy and/or planning policy
- Should be a strong writer, communicator, and a team player
- Knowledge of Microsoft Word, Microsoft Excel, Microsoft Projects, ArcGIS, and Adobe

Ecology/Geology Internship

Application Deadline: Jan 31st, 2017

AJL #819506

Location: Davis, CA

The Office of Mine Reclamation (OMR), within the California Department of Conservation, is a state agency that oversees surface mining in California. OMR seeks two interns to volunteer within its Environmental Services Unit.

The intern will volunteer within the Environmental Services Unit and will be supervised by a restoration ecologist. Depending on the intern's skills and interests, the intern may assist with multiple projects including 1) organizing and scanning paper mine files into an electronic database, 2) updating and transferring electronic mine files, and 3) assisting in review of mine site reclamation plans.

The position requires a diverse skill set and may include tasks such as working with electronic documents and databases, researching and synthesizing complex scientific information, GIS mapping and analysis, attending meetings, and field visits. The intern will work alongside ecologists, botanists, geologists, and engineering geologists. The intern may also interact with mine operators and representatives from local governments. The position will be fast-paced but will reward the intern with valuable experience.

Student Assistant: Beal Lab

Application Deadline: Feb 1st, 2017

AJL#: 820814

Location: Davis, CA

Beal lab is interested in using synthetic chemistry and synthetic biology to study and control ribonucleic acids (RNAs). Incoming undergrad will be working on RNA/DNA editing related projects, focusing on ADARs (adenosine deaminases acting on RNA) enzymes.

· Undergrad research assistant will be trained in and assist with various biochemical experiments, including human tissue/bacteria/yeast culture, protein purification, enzyme kinetic and binding studies. Undergrad research assistant will also learn about next generation sequence, including but not limited to sample preparation, library generation, quality control and data processing.

· For more information about Beal lab, please go to
<http://beal.faculty.ucdavis.edu/>

Clinical Nutrition and Molecular Bio Research

Application Deadline: Jan 31st, 2017

AJL#:820828

Location: Davis, CA

The intern will assist with projects aimed at understanding how saturated fatty acids induce inflammation and how dietary beneficial phytochemicals might suppress inflammation. During this internship the intern will have the opportunity to work on a human clinical nutrition research study and a cell culture research study. The intern will also learn many molecular and cell biology laboratory techniques.

E. & J. Gallo Winery: Chemistry Internship

Application Deadline: Feb 21st, 2017

AJL#: 820443

Location: Sonoma, California

Madera, California

Livingston, California

Modesto, California

Overview

The Chemistry Internship Program is searching for appropriate candidates to fill 3-6 months (about mid-July to mid-November) positions within our Chemistry group. The specific timeframe will focus on the time leading up to, during, and post-harvest. Interns are expected to assist in daily research activities and/or execute a portion of an ongoing project, depending on their level of lab skills and research experience. This is an excellent opportunity to gain hands on experience in an industrial research environment and increase your skill base for graduate school or future employment. As a member of the Chemistry Group, the student intern will participate in team projects that contribute to the improvement of the Winery's commercial processes and wine quality.

Duties

- Evaluating the chemical characteristics of grapes throughout their maturation process.
- Implementing rapid chemical methods to measure and monitor juice and wine attributes at the winery.

- Correlating wine chemical data with Sensory attributes to model wine aging and to determine product shelf life. This project work will involve:
- Using “state of the art” instrumentation to perform chemical analyses to characterize grapes, fermentations, and wines.
- Using computer software to statistically analyze data.
- Working in a production setting during harvest. This can include harvesting experimental grapes in the vineyard, operating grape processing equipment, taking samples from tanks in the winery and analyzing grape and wine quality.
- Assisting in the set-up of laboratory, pilot scale, or production experiments.

Pharmacy Technician

Application Deadline: Feb 28th, 2017

AJL#: 753949

Location: Fairfield, CA

Pre Pharmacy students are encouraged to apply. Full time position (32-40 hours per week).

Duties

1. Dispensing and filling of medications.
2. Data Entry
3. Answer phones and customer service tasks
4. Perform routine QA about pharmacy systems, policies, procedures
5. Stock shelves and maintain inventory
6. Make IV solutions

Qualifications

1. Strong communication and computer skills
2. Must be able to type 60+WPM
3. Clean DMV report
4. Ability to work with a team
5. Detail Oriented work and attention to detail
6. Ability to work a flexible schedule including some nights and weekends

Computational Biology Intern

Application Deadline: Mar 2nd, 2017

AJL#: 819794

Location: Johnston, Iowa

DuPont has a rich history of scientific discovery that has enabled countless innovations and today, we're looking for more people, in more places, to collaborate with us to make life the best that it can be. The Computational Genomics and Bioinformatics Systems group at DuPont Pioneer is seeking an undergraduate or graduate student for a 3 to 6 month internship program in the

field of computational biology and bioinformatics. This internship is designed to provide experiences into the exploration of genomes with next-generation sequencing while helping advance internal data analysis needs. The intern will design new or improve upon existing analytic pipelines using IM best practices, and aid in deriving biologically meaningful conclusions from their analyses. The intern will be expected to present the results of their research at the completion of the internship program. The position will be a 3 month position during the first semester of 2017 with the possibility of extension to a 6 month internship. The intern will be involved with large datasets for genomic research, bioinformatics, Linux scripting and high-performance computing. The intern will work closely with scientist working with bioinformatics, molecular biology and biotechnology.

Urban Gardening Internship

Application available all year round

Location: Worldbeat Cultural Center- San Diego, CA

WorldBeat Center's Outdoor Classroom is dedicated to teaching children in urban environments how to create a natural habitat, even in limited spaces such as their own apartments.

<http://www.internships.com/agriculture/URBAN-GARDENING-INTERNSHIP-I3788334>

Jewish Urban Farming Fellowship

AJL # 793805

Location: Urban Adamah – Berkeley, CA

Jewish Urban Farming Fellowship offers a three-month residential training program for young adults (ages 21–31) that combines urban organic farming, social justice training and progressive Jewish learning and living within the setting of an intentional community.

<http://www.goodfoodjobs.com/jobs/68195/jewish-urban-farming-fellowship.html>

Invasive Plant Management Intern

Location: Carmichael, CA

The invasive plant management intern assists the American River Parkway Foundation staff in the management and control of specified invasive plant species along the American River Parkway.

<http://www.internships.com/environmental/Invasive-Plant-Management-Intern>

Additional Career and Job Opportunities

- **ETOX [Career and Job Opportunities brochure](#)**
 - careers in government, industry and environmental consulting
 - opportunities for academic research
 - options for graduate and professional schools
- **[SOT Resource Guide to Careers in Toxicology](#)**
- **[Alumni Employment list](#)**



Financial Support

Prestigious Scholarships

Each scholarship provides funding that students can use after completing their bachelor's degree, with applications being accepted from students who will graduate in 2016-17. Applications are available to the following scholarships:

- **James Madison Memorial Fellowship, Campus Deadline: February 1, 2017**
- **Donald A. Strauss Scholarship, Campus Deadline: February 10, 2017**

Please email Prestigious Scholarship Advisor, Scott Palmer (scpalmer@ucdavis.edu), with your availability and specific program(s) you are interested in to have an appointment scheduled.

For more Information: <http://financialaid.ucdavis.edu/scholarships/Prestigious.html>

Emil M. Mrak Student Loan Program

The Emil M. Mrak Student Loan Program provides subsidized loans for eligible CAES students with financial need. For more information and access to the application, please visit financialaid.ucdavis.edu/loans/specific/mrak.html.

Benjamin Gilman Study Abroad Scholarship

The Gilman Scholarship is sponsored by the Bureau of Educational and Cultural Affairs at the U.S. Department of State and provides funding to enable students of limited financial means to study or intern abroad worldwide. The program provides awards of up to \$5,000 for undergraduate students to study abroad for up to one year.

Eligibility Criteria for the Benjamin A. Gilman International Scholarship:

- Must be enrolled as an undergraduate at UC Davis
- Must be a United States citizen
- Must be receiving a Federal Pell Grant at the time of application or at the time the study abroad program takes place

- Must participate in a study or intern abroad program of at least four weeks and no more than one year in length (students studying in multiple countries must spend at least 28 days in one country)
- Must be receiving academic credit
- Must not be studying in a country under a U.S. State Department Travel Warning or Cuba

Interested students are encouraged to visit with [UC Davis Study Abroad](#) to find and select an eligible program. For application advising and essay review, please contact Scott Palmer from the Undergraduate and Prestigious Scholarships Office.

Additional information including application timelines, selection criteria, application tips, and webinars can be obtained at the [Benjamin A. Gilman International Scholarship website](#). Please visit [here](#) to begin an application.

Latinos in Technology Scholarship

This scholarship, established with Silicon Valley Community Foundation (SVCF) by the Hispanic Foundation of Silicon Valley, will present up to 100 Latino students with up to \$30,000 in scholarship aid to help them continue their education in science, technology, engineering and math (STEM) programs. Recipients will also have the opportunity to be placed into internships with leading companies in Silicon Valley. More information can be found here: <http://www.siliconvalleycf.org/scholarships/lit>

Blum Center Summer Fellows Award: Poverty Alleviation Through Action (PATA)

The Blum Center for Developing Economies, in a joint initiative with the College of Letters & Sciences, the College of Engineering, and the College of Agricultural & Environmental Sciences, is offering a limited number of grants (\$70,000 in grants) for undergraduate students. Poverty Alleviation Through Action (PATA) is a grants program administered by the UC Davis Blum Center for Developing Economies (website: blumcenter.ucdavis.edu). The PATA grants program offers partial funding to pursue fieldwork on poverty alleviation and/or inequality, preferentially but not exclusively, in a developing country.

Visit blumcenter.ucdavis.edu to download the Poverty Alleviation Through Action (PATA) application.



Helpful Resources

Advising Services

Environmental Toxicology Advising

Franklin Tran and Nalin Singh are here to answer any questions you may have about four-year plans, major requirements, important forms, and more! Come stop into the Peer Advising room (4204 Meyer Hall) during our advising hours or send us an email.

Winter 2017- Peer Advising Hours

Franklin Tran fdtran@ucdavis.edu

Tues	2:00 pm - 5:00 pm
Wed	10:00 am - 12:00 pm
Thurs	2:00 pm - 5:00 pm
Fri	10:00 am - 12:00 pm

Nalin Singh nalsingh@ucdavis.edu

Mon	1:00 pm - 3:00 pm
Tues	10:00 am - 12:00 pm
Wed	1:00 pm - 4:00 pm
Thurs	10:00 am - 12:00 pm
Fri	11:00 am - 12:00 pm

College of Agricultural and Environmental Sciences (CAES) Advising

The Dean's Office Advisors are here to help you with navigating college requirements such as General Education Requirements (GEs) and the English Composition Requirement. Students may schedule an appointment with a Dean's Office academic counselor between the hours of 9 a.m. and 12 p.m., and between 1 p.m. and 4 p.m., Monday through Friday. Drop-in appointments are available with academic peer advisers during most hours. Current students can schedule an appointment using the online [Messaging & Appointment System](#).

***** Seniors ***** Complete a [Preliminary Degree Certification](#) - submit form to the College of Agricultural & Environmental Sciences Dean's Office.

Internship and Career Center Advising (ICC)

The UC Davis Internship & Career Center (ICC) offers general counseling on all ICC resources and help with the online job database Aggie Job Link, group-advising sessions on interviewing, resume writing, job searching and more! [Event Schedule](#)

Stop by between class for a quick one-on-one advising session with a peer adviser in your particular field of study. Some of the services student advisors offer include:

- Advising related to Agriculture & Environmental Science careers
- Aggie Job Link help and Job or Internship searches

- General ICC Services
- Interview Practice and Mock Interview (@AJL) help
- Preparing for career fairs
- Resume & Cover Letter coaching
- Transcript Notation questions

Need more help? See an ICC's CAES Program Advisor. Drop-in Mon - Fri, 10am-4pm, 2nd Floor South Hall. Program Advisors can provide in-depth career exploration and referrals, internship and job search strategies beyond Aggie Job Link, and information on transcript notation. They can also critique your resume and cover letter.

To schedule an appointment, call reception at 530-752-2855 (option 7) or email iccaes@ucdavis.edu

Quick Questions can also be addressed to: iccaes@ucdavis.edu

Read more at <http://iccweb.ucdavis.edu/AES/index.htm>

Health Professions Advising

The office of Health Professions Advising serves all UCD undergraduates, graduate students and alumni pursuing any health profession or allied health field.

Pre-Health or Pre-Med students should definitely contact this group!

Email: healthprofessionsadvising@ucdavis.edu

Location: 1011 Sciences Lab Building

Website: <http://hpa.ucdavis.edu/>

Tutoring and Workshops at the Student Academic Success Center (SASC)

Reference the General Study Skills workshop schedule and information about tutoring and various other services offered by the Student Academic Success Center during fall quarter. A complete set of workshop schedules are available at

<http://success.ucdavis.edu/academic/index.html>

and <http://success.ucdavis.edu/international/index.html>

SASC workshops are free and students are not required to register.

Questions? Contact Arnette bates at 530-752-9301 or call the service desk at 752-2013.

Getting Transcript Notation for Internships

The Internship & Career Center offers Transcript Notation to students who work at an approved and supervised internship for at least 40 hours per quarter. With just a bit of online paperwork, you can have your internship title, location and quarter taken noted on your official UC Davis transcript.

Instructions on how to file TN online:

<http://iccweb.ucdavis.edu/pdf/2011AJLStudentTN.pdf>

Want academic credits instead? See

<http://iccweb.ucdavis.edu/students/AcademicCredit.htm>

Tutoring and Workshops for Math and Science Classes

Need some support getting through Biology, Chemistry, Math, Physics, STATS, and more?

The **Student Academic Success Center** offers both **Drop-in Tutoring** and **Math and Science Workshops** every week.

Time: 9 am - 5 pm Monday, Tuesday, Wednesday, Thursday and 9 am - 12 pm Friday

Location: 2nd floor Dutton Hall for Chemistry, 16 South Hall for Math

Additional Math and Chemistry Drop-in tutoring:

Time: 3 - 7 pm, Sunday

Location: 3rd Floor Dutton Hall

Tutoring for BIS 101, 102, 103, 104 and 105

Time: 1-5 pm Monday-Thursday

Location: 3rd floor study lounge, Sciences Lab Building

Tutoring for NPB 100, NPB 101

Time: 11 am - 1 pm Monday-Thursday

Location: 2258 Dutton Hall

Links for more information...

Drop-in Tutoring

<http://success.ucdavis.edu/academic/dropin.html>

Math and Science Workshops

<http://success.ucdavis.edu/academic/workshops-math-sci.html>

Academic Assistance and Tutoring – General Information

<http://success.ucdavis.edu/academic/index.html>