Happy New Year and Welcome to the start of the Spring 2019 Semester!

Announcements

You are invited to the Life Science Ethics Movie Night featuring "Awakenings" (1990), featuring Robin Williams and Robert Di Nero. Panel discussion to follow, and dinner will be served.

This movie explores Dr. Malcolm Sayer’s efforts to treat catatonic individuals who survived an early twentieth century encephalitis lethargica epidemic with L-Dopa in 1969. The remarkable initial success of the treatment unfortunately turned out to be short lived.

When: Jan. 15, Biodesign Auditorium, B105, 5 p.m. RSVP is required.
Nominate your favorite teachers and advisors to be recognized for excellence
This Spring, the College of Liberal Arts and Sciences will recognize outstanding instructors and advisors by presenting the Zebulon Pearce Distinguished Teaching Award, the Outstanding Instructor/Lecturer Award and the Excellence in Advising Award. Current College of Liberal Arts and Sciences students are invited to submit nominations.

Questions? Contact CLASTeachingAward@asu.edu

Deadline: Jan. 31, 2019
Learn more

Join one of these organizations looking for members

**Arizona Mentor Society**
Arizona Mentor Society is an awesome club that partners with Tempe School District's Thew Elementary School to increase school retention rates and encourage the pursuit of college education. Our organization travels to the school during the week to mentor and form relationships with 5th grade students. It's great way to build relationships with the community and get meaningful community service hours.

- **Orientation Date:** Jan. 15
- **Time:** 3:30 p.m.
- **Location:** MU L1-35 (Maricopa Room)

Learn more [here](#).

**Pre-Vet Club**
The Pre-Vet Club at Arizona State University seeks to help better prepare members for veterinary school by providing a greater understanding of the field, an opportunity to interact with professionals, a chance to gain hands-on animal experience, and many resources to assist you during the application process to veterinary school. We will also have off-campus events, check out our website for more information.

- **Meeting dates:** Jan. 22, Feb. 5, Feb. 19, March 12, April 2, April 16
- **Time:** Contact Abbey Sewell for meeting times
- **Location:** MU 225 except Feb. 19 is at MU 229

Learn more [here](#).
Upcoming Express Advising and office hours
Extended Express advising and 30-minute appointments will be available during the month of January. To see our office hours, view our Google Calendar at https://sols.asu.edu/student-life/advising

Read more about our advising team and how we can help you.

Note: Read our missed-appointment policy.

Spring 2019 freshmen and transfer students

To schedule an advising appointment, please schedule it with the First Year Center, not with the School of Life Sciences advising office.

Call (480) 965-3391 and press #1 to book your appointment with one of our freshman advisors. More information can be found on your My ASU under "Academic Advising."

Featured classes:
Spring 2019
Find unique and interesting classes that can be used for your major, science and society, or general study requirements. Updated Jan. 8, 2019

Sign up for pre-health newsletter
Learn about the pre-health advising office, as well as upcoming opportunities specifically related to the health professions.
Sign up here.

Research, leadership and academics

Announcing new academic programs related to life sciences
Certificate in Computational Life Sciences (goes live Fall
Master's in Auditory and Language Neuroscience
The research landscape is changing thanks to advances in technology. To become a successful scientist it is critical to use the power of the computer to analyze data. By completing the Certificate in Computational Life Sciences, students will learn about tools used to analyze different types of life science datasets and investigate how computational approaches in research help solve scientific problems.

You can get a jump start on our brand-new computational life sciences certificate by enrolling in a course this spring that can be applied to the Certificate including:

- BIO 440: Functional Genomics
- BIO 498: Computing for Research
- BIO 498: Practical Applications in Computational Life Sciences
- BIO 498: Computational Life Sciences Reading Group (discuss methodology)

Learn more here.

Contact: Melissa Wilson Sayres

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**Deadline extended!**

**Seeking interns for spring 2019 macrosystems ecology lab**

Detection and characterization of vacant niches in Mount St Helens’s plant communities with Benjamin Blonder and Pierre Gauzere

This project aims to detect and characterize vacant niches in natural plant communities and identify the conditions and processes under which they are expected.

The intern will acquire theoretical background in plant functional, community and niche ecology theory; and skills in computational data analysis with

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**Central Arizona–Phoenix Long-Term Ecological Research (CAP LTER) program seeks research aide**

The Central Arizona–Phoenix Long-Term Ecological Research (CAP LTER) program, part of the Julie Ann Wrigley Global Institute of Sustainability at ASU, is seeking a student Research Aide to assist with research of arthropod communities of the Phoenix metropolitan area.

To review and apply please go to [https://students.asu.edu/employment/search](https://students.asu.edu/employment/search), click on “Search On-Campus Jobs” and enter the requisition [48236BR](https://students.asu.edu/employment/search/48236BR).
the R software environment for statistical computing and graphics. There is a possibility of funding provided by the Western Alliance to Expand Student Opportunities (WAESO).

The lab is a supportive and friendly environment. The intern will receive close mentoring from postdoctoral researcher Pierre Gauzere and assistant professor Benjamin Blonder, and will be integrated into group scientific and social events.

More information at https://benjaminblonder.org and this flier.

Deadline to apply: Jan. 17, 2019
Email a letter of interest (<1 page), current CV, and name of one academic reference to Pierre Gauzere.

Credit for internship and research
Did you know you can receive credit for your internship? Review our internship page for more information.

Interested in learning about research opportunities? Contact the School of Life Sciences undergraduate advising office for information.

NCI accepting applications for Systems Biology & Physical Sciences in Cancer Summer Research Program
The National Cancer Institute’s (NCI) Cancer Systems Biology Consortium and Physical Sciences in Oncology Network are offering rising Junior and Senior undergraduates with outstanding research potential the opportunity to work closely with faculty mentors from NCI-supported institutions for a 10-week summer fellowship. The 2019 program is designed specifically for students to gain experience in the interdisciplinary fields of systems biology and physical oncology. Students who are especially

Mayo Clinic research opportunities
Mayo Clinic Graduate Schools of Biomedical Sciences offers excellent biomedical research and education programs. Three programs with upcoming admissions deadlines are highlighted below.

Summer Undergraduate Research Fellowship (SURF) Program: SURF offers a world-class opportunity for undergraduates to conduct a summer research project for 10 weeks while developing technical skills, networking, and enjoying special weekly seminars about current research.

Application
Deadline: February 1, 2019
interested in cancer research careers are encouraged to apply. Opportunities are available at 15 research institutions across the United States. Stipend, housing, and travel to and from the host institution are covered by NCI. Additionally, students will convene at the NIH in Bethesda, MD, mid-way through the summer to present their research and network with their peers.

**Deadline to apply:** Feb. 15, 2019  
**Contact:** Erin Wetzel

Learn more here.

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### Post-Baccalaureate Research Education Program (PREP)

PREP is the oldest competitive NIH-funded program in the U.S. This program enriches PhD and MD/PhD-bound post-baccalaureate students from background underrepresented in biomedical research with the goal of a future biomedical research workforce whose diversity matches that of our country. Participants benefit from mentored research, graduate courses, and focused training in communication skills.

**Application Deadline:** May 1, 2019

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### Amgen Scholars Program application now open

The Amgen Scholars Program aims to open the door to research opportunities at 24 host institutions for undergraduates from any four-year college or university in a given region.

Made possible through a 16-year, $74 million commitment from the Amgen Foundation, Amgen Scholars allows undergraduates from across the globe to participate in cutting-edge research opportunities at world-class institutions. 24 premier educational and research institutions across the U.S., Europe, Asia, Australia and Canada currently host the summer program.

Undergraduate participants benefit from undertaking a research project under top faculty, being part of a cohort-based experience of seminars and networking events, and taking part in a symposium in their respective region where they meet their peers, learn about biotechnology, and hear from leading scientists.

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### Apply for The Leadership Alliance 2019 Summer Research-Early Identification Program (SR-EIP)

SR-EIP offers closely mentored research experiences in the life and physical sciences, social and behavioral sciences, and the humanities at 20 research institutions across the country. SR-EIP Participants:

- Spend 8-10 weeks at a Leadership Alliance institution
- Receive a stipend, and travel and housing expenses from the research institution
- Work under the guidance of a faculty or research mentor
- Gain theoretical knowledge and practical training in academic research and scientific experimentation
- Make oral or poster presentations at the Leadership Alliance National Symposium
- Gain access to ongoing resources, mentoring and professional networks to
Application deadline: some vary, but most are Feb. 1, 2019. Depends on specific site by region.

Learn more about the research opportunities in the United States, Europe, Asia, Canada, and Australia.

Scholarships, awards and grants

Congressman Ed Pastor Center for Politics & Public Service scholarship information sessions

The Pastor Center is offering free information sessions (with food) to let students know about applying for the Spirit of Service Scholarship, the Andrew Goodman Foundation scholarship, and other funding support available to students, including registration and travel funding support for conferences, workshops, public forums, and unpaid out-of-state internships.

Click here to view the flier for dates and other information.

Study abroad resources

Attend an in-person Study Abroad 101

Led by a Study Abroad Student Recruiter, the Study Abroad Office holds Study Abroad 101’s 3 times a week during the academic year! Discuss everything from where you can go, how you can apply your scholarships and what your interests are! This is a great way hear from students who were recently in your shoes! Check out the times below:

When:

Ready to take the next step for studying abroad?

Step 1: Attend Study Abroad 101

Step 2: Meet with a Peer Advisor

Step 3: Make an appointment with an International Coordinator

Study Abroad Office walk-in advising

11 a.m. - 1 p.m., LSA 189

• Jan. 29
• Feb. 12
• Mar. 12, 26
• Tuesdays: 11 a.m. 12 p.m.
• Wednesdays: 1-2 p.m.
• Fridays: 3:30-4:30 p.m.

Experimental Tropical Biology in Panama
Summer

Study abroad in Panama this summer

• June 4 - June 21, 2019
• Field work in a Panamanian tropical rainforest
• Conduct your own independent biological research project
• Day trips to Panama City, Panama canal locks, Barro Colorado Island Research Station, and canoe to an isolated indigenous village
• Earn four BIO credits
• Click the respective links to read a short program description, student Panama impressions, and student thoughts on research from the summer 2018 program, or click this link to see a student video from the 2016 program.

More information on the program
Program dates: June 4 - 21, 2019
Deadline to apply: Feb. 1, 2019
Questions? Contact Jon Harrison

Internships and jobs
Internship opportunity at NIH/NIAID for recent graduates

The NIH Internship Program is designed to attract a diverse pool of talented students. Students are enrolled in a wide variety of educational institutions such as high school, vocational, technical, undergraduate, or graduate. Students may be placed in one of the 27 Institutes and Centers at the NIH. The practical experience gained through the internship allows students to explore Federal civil service careers at the beginning of their employment journeys before their career paths are fully established.

Application period: Jan. 7 - 11, 2019
Flier
Learn more

Harvard undergraduate internship opportunity in systems biology

Applications are now open for the Harvard Undergraduate Summer Internship in Systems Biology. This 10-week paid internship, which also provides housing in Cambridge, places undergraduate students in Harvard’s systems biology labs to work on a project under the guidance of our faculty. Interns will work on research projects spanning many fields of science, from biology (including systems biology, biophysics, bioinformatics and genomics) to applied mathematics and computation.

Application deadline: some vary, but most are February 1, 2019. Depends on specific site by region.
Contact: Victoria Dzindzichashvili

You can read more about the application process and available projects here and browse the flier.

Apply for Flathead Lake Biological Station of the University of Montana summer program

Beginning in 1899, the Flathead Lake Biological Station of the University of Montana has been offering transformative field ecology courses in spectacular western Montana. 2019 is going to be the best summer yet!

They have 12 great courses on offer in both aquatic and terrestrial realms that will be of interest to students ranging from 'sophomores-to-be’ (Field Ecology, co-taught by me!) to upperclassmen to early grad students. Here are some relevant pieces of info:

• many scholarships are available, incl for

TGen's summer internship applications are now open

Helios Scholars at TGen offers students full-time, paid internship opportunities that include research experience and professional development in the field of biomedical research. Internships are available in laboratory research, computer science and bioinformatics, mathematics and statistics, and research administration.

• Eligible for a graduating high school senior, undergraduate, graduate, or medical school student

Deadline: Feb. 4, 2019
Contact: Jennifer Jenkin
students outside of Montana
• early application discount
• small classes with great faculty (~15 students per class)
• immersive learning featuring field methods as well as interactions with natural resource professionals
• one new course in 2019: Field Studies in Evolution of Behavior (6 credits)
• one new course from 2018: Environmental Sensors
• two courses new from 2017: Aquatic Microbial Ecology & Drone Remote Sensing
• credits easily transferable to other colleges/universities

Early application deadline: Jan. 14, 2019
Contact: Jim Elser

Learn more here.

University of Arizona Health Sciences
2019 BLAISER Program

Border Latino and American Indian Summer Exposure to Research (BLAISER) was created to address health disparities in Arizona’s ethnically diverse and fast-growing communities. This 10-week, undergraduate research experience provides an extraordinary laboratory training opportunity, paring the junior and senior level student-scholars with preeminent UA Health Sciences researchers. This is a premier research experience for undergraduate students from underrepresented backgrounds aiming them with skills to make them competitive and successful in their pursuit of post-secondary education and research. Students may receive upper division credit (MED 494 or 499).

Dates: June 3, 2019 to August 6, 2019

Eligibility:
• Current junior status or beyond
• Cumulative 3.25 GPA
• Special attention to: Latinos, Native Americans and African Americans, populations that are underrepresented in the biomedical and health sciences
• Currently majoring in: biology, chemistry, physiology, microbiology, engineering, computer sciences, and similar fields.

Application
Deadline: Feb. 22, 2019 at 11:59pm

Learn more here.

Calendar and deadlines
January 2019

- Jan. 21: Martin Luther King Day - university closed
- Jan. 11: Applications due for NIH Pathways Program, for recent graduates
- Jan. 14: Early applications due for Flathead Lake Biological Station of the University of Montana summer program
- Jan. 15: Orientation meeting for Arizona Mentor Society, 3:30 p.m., MU L1-35
- Jan. 15: Life Sciences Ethics Program Movie Night, 5 p.m., Biodesign Auditorium, B105
- Jan. 17: Application due for macrosystems ecology lab
- Jan. 18: Students who apply and interview* at SCNM by this date will be eligible to apply for a $10,000 scholarship. *Students who meet requirements will be invited for an in-person interview
- Jan. 21: Martin Luther King Day - university closed
- Jan. 22: Pre-Vet Club meeting, MU 225
- Jan. 22: Information session on Pastor Center for Politics and Public Service Scholarships, 8 a.m., Cooley Ballroom A (Polytech campus)
- Jan. 22: Information session on Pastor Center for Politics and Public Service Scholarships, noon, MU Graham (Tempe campus)
- Jan. 23: Information session on Pastor Center for Politics and Public Service Scholarships, 2 p.m., UCB 241 (West campus)
- Jan. 24: Information session on Pastor Center for Politics and Public Service Scholarships, noon, Black Canyon Room (Downtown campus)
- Jan. 31: Applications due for Andrew Goodman scholarship
- Jan. 31: Deadline to nominate an outstanding instructor or advisor

February 2019

- Feb. 1: Deadline for Summer Undergraduate Research Fellowship (SURE) Program
- Feb. 1: Deadline to apply for plant biology internships at Donald Danforth Plant Science Center
- Feb. 1: Deadline for most programs with Amgen Scholars Program
- Feb. 1: Deadline to apply for summer 2019 study abroad program in Panama
- Feb. 1: Deadline to apply for Harvard Undergraduate Summer Internship in Systems Biology
- Feb. 4: Applications due for TGen Helio Scholars Program
- Feb. 15: Deadline to apply for NCI summer fellowship program in systems biology and physical oncology
- Feb. 15: Deadline for Summer Health Professions Education Program (SHPEP)
- Feb. 22: Deadline for University of Arizona Health Sciences 2019 BLAISER Program

March 2019

- March 16: Applications due for Spirit of Service scholarship

Add the ASU Academic Calendar to your iCal or Google Calendar: ASU Academic Calendar iCal Download (right click to copy and paste into any calendar product that supports the iCal format)
Career advice

Upcoming career exploration events

Interested in events coming up in career services? Log onto Handshake by clicking [here](#) to see events specifically designed for YOU, as a SOLS student!

Career in science education

[Reserve time](#) to talk with a BASIS.ed recruiter and learn about a career in science education. Times are available every Friday.

Summer Health Professions Education Program (SHPEP)

The Summer Health Professions Education Program (SHPEP) provides students interested in health careers a transformative summer experience in the areas of medicine and dentistry. The free six-week summer enrichment program helps college students enhance their academic proficiency and career development in the health professions.

Eligibility:

- Be an enrolled college freshman or sophomore at the time of the application.
- Have a minimum 2.5 GPA.

[Application](#)

**Deadline:** Feb. 15, 2019

Learn more [here](#).

Submit newsletter content here. Next issue is week of Jan. 21, 2019
Missed a past issue? Find previous newsletters here.

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