

Week of August 23 - 29, 2025

Announcements, Shoutouts, and Accolades

ASDRP Research Symposium & Expo is coming soon!

Date: Saturday, Sept 13, 2025!

Time: 9:30 AM - 1:00 PM

Location: Mission College
3000 Mission College Blvd
Santa Clara, CA 95054

Mission College: [Gary G. Gillmor and Family Academic Center](#)

IMPORTANT DEADLINES: Student Researcher Registration

- [Abstract Submission Deadline](#): Sunday, September 7 @ 11:59 PM. All abstracts will be approved and then you must register to attend the Expo. *Note: Each student included as an author on an abstract must also register as an attendee*
- [Attendee Registration Deadline](#) (all students, guests, parents): Wednesday, September 10 @ 11:59 PM
- [Poster Printing Deadline](#): Thursday, September 11 @ 8:30 PM

Guest Registration Guest Registration Deadline: Friday, September 12 @ 11:59 PM [Register](#)

- [Check-in](#): 9:30 - 10:00 AM All Researchers and Guests Check-in (Central Plaza)
- [Oral Research Presentations](#): 10:00 - 11:30 AM Oral presentations in various rooms throughout the (Gillmor Center) *Listen to the outstanding work of our student researchers and the laboratories work to date. Q&A after each presentation. Not to be missed!*
- [Research Poster Session](#): 11:30 AM - 1:00 PM Original scientific research posters during the Poster Session (Gillmor Center) *View and meet the researchers and learn about the original scientific findings of 750+ high school students, who conducted research across 80+ projects in a wide array of STEM fields. Our student researchers come all over the San Francisco Bay Area, across the U.S., and internationally!*
- [Clean-Up Session](#): 12:30 - 1:00 PM The Gillmor Center is generously shared to ASDRP by Mission College and it should be left how it was found.



Events schedule list is subject to change with or without notice. Please check the ASDRP website for the most up to date information.

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Summer to Fall Transition - please complete before the August 25 Deadline.

Who needs to complete the transition form? ALL ASDRP researchers, regardless of whether or not you are staying in your research group, will need to fill out the Summer-Fall 2025 Online Check-In. Deadline: No later than **August 25, 2025 at 11:59 PM PST**.

Complete Check-In Form:

Researchers who are continuing in ASDRP do not need to re-apply for the Fall term, just complete the check-in form.

Financial Aid

- If you have been previously granted a Financial Aid Award in the last twelve months, please Select "I have a Financial Aid Code" on the Transition Form.
- For researchers who wish to apply for financial aid, please submit a financial aid application online at www.asdrp.org/financial-aid.
- If approved, the financial aid award will be valid for 12 months (three semesters), and renewable upon request.
- Questions about finances or financial aid should be directed to admissions@asdrp.org

Updating Financial Aid Requests

As a nonprofit organization, ASDRP does not profit from student dues, which reflect the minimum operational funding needed to maintain critical infrastructure at ASDRP. ASDRP firmly believes in accessibility to cutting edge research to all persons regardless of socioeconomic background, and every year dozens of researchers are offered need-based full scholarships to pursue research at ASDRP. Those of you who are applying for financial assistance should complete the [Financial Aid Application Form at this link](#). Students who are citizens or permanent residents of the United States or Canada are eligible to apply for financial aid, and **we encourage all students and families who are facing tight financial circumstances to apply for financial aid at ASDRP.**

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Summer 2025 Blitz Talks

A BIG HUGE Thank you to all of our ASDRP Advisors who had students presenting in the ASDRP Summer 2025 Blitz Talks held on Tuesday, August 19.

Blitz Talks featured 103 research projects representing the work of 453 student researchers and 22 principal investigators. Each zoom breakout room featured 8 short oral presentations and is key milestone in the development of our student researchers - Congratulations students!

Take a look at the full list of presentations:

<https://sites.google.com/asdrp.org/2025summer-blitz-talks/home>

Parent Volunteers...sign up today! Parent Volunteer Form link - [click here](#).

Core Trainings

On Campus/Wet Lab Tier Trainings Continue

Core trainings are offered once per semester in a tiered system. In order to participate in the next tier, students must first complete the previous tier in a previous semester. Sign-ups are available for eligible students on the Laboratory Practicum Canvas Course.

Upcoming Core Trainings:

Aug 28 @ 5:00 - 8:00 PM

Aug 29 @ 6:15 - 10:00 PM

Sept 1 @ 3:00 - 6:00 PM

Tier 2 [Practical] Core Training: Cell Culture (Day 1 of 2)

Tier 3 [Advanced] Core Training: Nuclear Magnetic Resonance

Tier 2 [Practical] Core Training: Cell Culture (Day 2 of 2)

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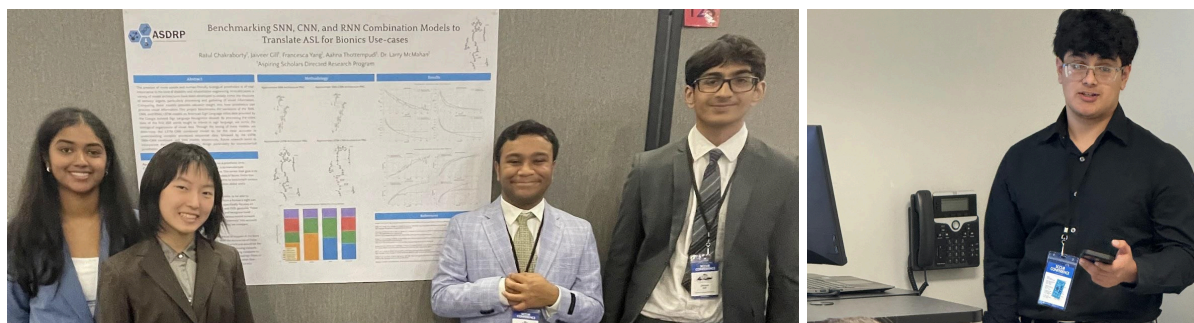
[NewsBytes]

Attending a Conference - Preparing You for Success!

We have put together a four part **mandatory training** for all students presenting at conferences this academic year (2025-2026) who have not previously presented at a conference, or by election from their advisor.

1. Sept 6 @ 7:00-9:00 PM - Crafting an Abstract (Part 1)
2. Sept 20 @ 7:00-9:00 PM - Poster & Oral Prep (Part 2)
3. Oct 18 @ 7:00-9:00 PM - Poster & Oral Prep (Part 3)
4. Nov 8 @ 7:00-9:00 PM - Poster & Oral Prep (Part 4)

This event is in-person only, but remote students who live outside of Northern California can request a Zoom link. Zoom will not be provided for local students.



Our giving drive goal is **\$250,000.**

Donate today @
www.asdrp.org/donate

2025 Donation Campaign - begins 8/1



Student Researchers

- Publications
- Conferences
- Travel Scholarships

Departmental Needs

- Cluster/GPU Upgrades
- Electron Microscope
- Green House
- Nuclear Magnetic Resonance

Infrastructure

- Campus Security
- Laboratory & Facilities

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On the Horizon: Upcoming Events

Saturday, Aug 23

Noon - 1:30 PM Office Hours - Navigating Transition with your Department Chair
Come and hang out with your department chairs and get to know us! Why should you come?

1. Free food! Free cookies and lemonade.
2. Ask questions about balancing school and research.
3. Questions about moving groups? Come chat with us!
4. Etc. etc. etc. - come meet us!

Monday, Aug 25

11:59 PM: Summer to Fall Transition Form Deadline.
Check your email for instructions and payment options. Thank you!

Tuesday, Aug 26

7:00 - 8:30 PM: Weekly Colloquia for all ASDRP Student Researchers via zoom.
Visit the ASDRP [Colloquia Webpage](#) for details & zoom link.

Department of Computer Science & Engineering

- **“AVD Using Autonomous Drone for Environmental mapping and crop health assessments”**
Presenters: Aditya De, American High School '28; Mina Iqlas, Foothill High School '28 **McMahan Lab**
- **“Comparison of mechanical properties and fractures surface morphology of 3D printed PLA in two different orientations”**
Presenters: Annika Hegde, Leland High School '27; Sophie Cagdaser, Notre Dame San Jose High School '26; Sreeram Chadavada, Bellarmine College Preparatory '27; Hayagriv Sriram, Dougherty Valley High School '27; Sindhuraa Selvam, Foothill High School '27 **Starostina Lab**
- **“Machine learning in SEM imaging: characterization of nanoparticles”** Presenters: Bryan Li, Woodberry Forest High School '27 (Virginia); Siddharth Mahesh, Mt. Carmel High School '28; Carter Tsao, Harvard-Westlake Upper School '27; Matthew Nadavallil, California High School '27; Andrew Kim, Corona Del Mar High School '26; Anannya Kaur, Valley Christian High School '26; Ryerson Li, Saint Andrews School '27 (New York); Simon Tchira, Dr. Michael M. Krop Senior High School '26 (Florida) **Starostina Lab**

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Wednesday, Aug 27

6:30 - 7:00 PM, via Zoom: Parent Fireside Chat via zoom

This week we will be discussing more about conference attendance and requirements, new guidelines for Drone projects, Expo requirements and participation and Summer to Fall Transition. Zoom link will be emailed to all parents the day before the meeting.

Thursday, Aug 28

5:00 - 8:00 PM: Tier 2 [Practical] Core Training: Cell Culture (Day 1 of 2)

Prerequisites: *Must be second semester or older student. No first semester students. Must have completed Tier 1 Cell Culture Training over the summer of 2025. Must attend both days - this is Day 1 of 2. (Second Day of Training will on September 1 from 3:00 - 6:00 PM)*

Core trainings are offered once per semester in a tiered system. In order to participate in the next tier, students must first complete the previous tier in a previous semester. Sign-ups are available for eligible students on the Laboratory Practicum Canvas Course.

Friday, Aug 29

6:15 - 10:00 PM: Tier 3 [Advanced] Core Training: Nuclear Magnetic Resonance

Prerequisites: *3rd+ semester students with at minimum 2 semesters wet lab NMR experience, at minimum 50+ hours of prior NMR experience necessary. No first semester or second semester students permitted. Advanced NMR training covers advanced techniques in nuclear magnetic resonance spectroscopy, including theory and practice of 2D NMR spectra (COSY, HSQC, HMBC, DEPT, Hahn-Echo, and HETCOR experiments), programming NMR spectrometers for kinetics, and heteronuclear NMR spectroscopy. Special emphasis will be given to interpretation of second order effects and nuclear coupling effects in complex structural characterization.*

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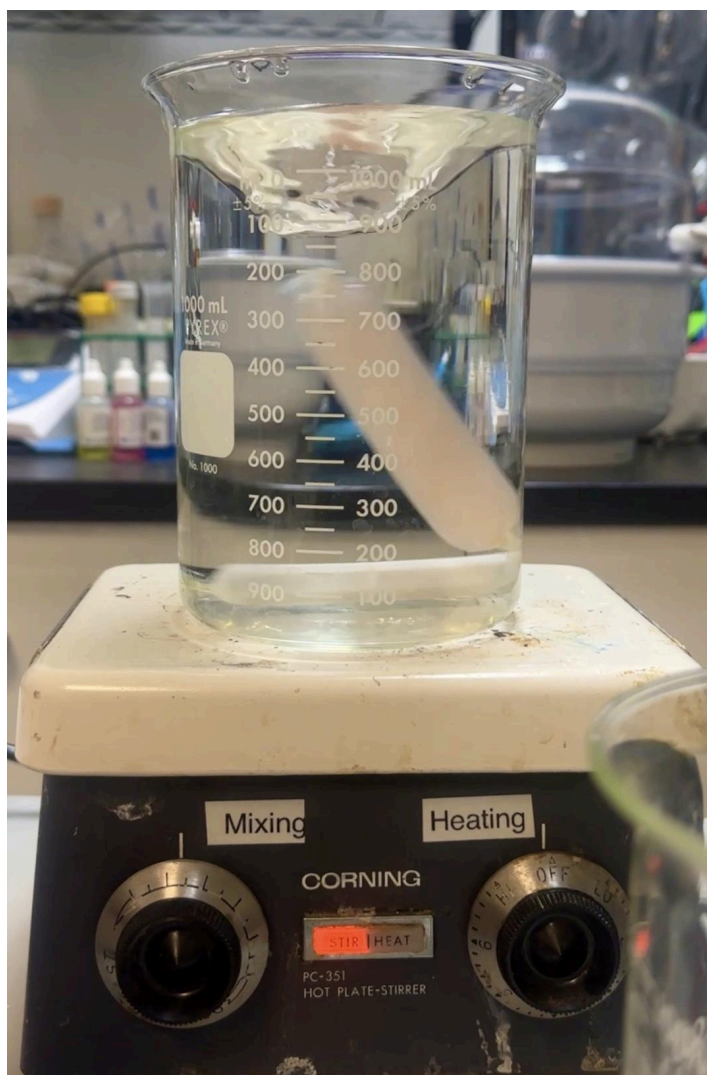
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End Note

“Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less.” — Marie Curie

What is this and what does it do?



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