



ASDRP

Aspiring Scholars Directed Research Program

[NewsBytes]

Week of March 15-21, 2025

Announcements, Shoutouts, and Accolades



Eight more days until the [ASDRP Research Expo & Symposium](#) is **March 22, 2025 - Students: check your email to submit an abstract and register as attendees.**



ASDRP Spring 2025 Research Sympo...

Research Symposium & Expo

Saturday, March 22, 2025
9:30 AM - 1:00 PM @ Mission College
Gary G. Gillmor and Family Academic Center

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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)

The In Person ASDRP Summer 2024 Semester Research Symposium and Expo showcases some of the original scientific findings of 1000+ high school student researchers who conducted research across 200+ projects in a wide array of STEM fields. Students come from throughout the Bay Area, across the U.S., and internationally! The Symposium features students presenting the research they completed throughout the Fall 2024 & Spring 2025 semester and during their participation in ASDRP.



The [Research Symposium & Expo](#) showcases the students' novel results to their peers, parents, community, and friends. Importantly, these scientific projects conducted by students are original research with cutting-edge results, completed on \$10M+ worth of donated research equipment with highly qualified research mentors, and are not traditional "science lab" projects whose results are known. This event is a premier opportunity for student researchers to be exposed to genuine research, scholarship, peer review, scientific reading and writing, and scientific presentation at a young age before college. At

the completion of the Symposium, the students will be able to leverage their own published works in demonstrating their competitive advantage as they prepare to matriculate to college. We invite you to join us in the beginning of a wonderful journey for these young scientists. Please come, view research posters, ask the students questions, listen to oral presentations, support these great kids, celebrate their accomplishments, and have fun!

The event is held at [Mission College](#) in Santa Clara. Mission College continues to be an incredible partner and allows the ASDRP community to utilize the [Gillmor Center](#). The Gillmor Center is **118,000 square foot** three-story interdisciplinary classroom facility. A big thank you to [Dr. Omar Murillo](#), [Clement Lam](#), and [Brian Shively](#) who make our partnership with Mission College possible.



Expo Poster Printing

Poster printing can be done in the Engineering Lab. Student Research posters need to be approved by their advisors. For printing, a team member must be present to print your research poster. ASDRP also provides the poster board and easel (you'll get the easel at Expo on March 22).

Printing Dates: **Sun, March 16 @ 4:00 - 9:00 PM | Mon, March 17 @ 4:00 - 9:00 PM | Tues, March 18 @ 4:00 - 9:00 PM | Wed, March 19 @ 4:00 - 9:00 PM**

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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)

ASDRP Parents Expo Volunteers Needed - Sign Up Today

VOLUNTEER! *

Volunteering for Expo
Sign me up to Volunteer! We have lots of options to volunteer for the Expo. You can pick more than one option if you would like to help in multiple areas.

Volunteer Locations
In Person Expo: Mission College, Gilmore Center

Training
Pre-Expo training: Wednesday, March 19 @ 7:00 PM via Zoom

Volunteer Hours/Corporate Donations
Please check with your company/organization to see if they donate funds for each hour of volunteer work you do for ASDRP. If you need assistance, contact David Linnevers at david.linnevers@asdrp.org

A confirmation email will be sent to confirm your volunteer assignment. Thank you!

- All Day Volunteer (8:00 AM - 1:30 PM)
- Set-up (7:30 AM - 10:00 AM)
- Welcome/Check-in (8:30 - 11:30 AM)
- Parking lot assistance and directions (8:30 AM - 10:30 AM)
- Second Floor Set-up & Helper (8:30 AM - 1:00 PM)
- Third Floor Set-up & Helper (8:30 AM - 1:00 PM)
- Poster Session Set-up (10:30 AM - 1:00 PM)
- Clean up (12:30-1:30 PM)

ASDRP Parents - we need your help with Expo on Saturday, March 22, 2025.

Please share your time and incredible energy with us by volunteering to help with our Spring 2025 Expo. It's rewarding, fun and most of all you get to see everything ASDRP has to offer! We'll hold an expo volunteer training a few days before the event to touch bases on the schedule and the review volunteer assignment areas.

Expo Training will be held on Wednesday, March 19 @ 7:00 PM via zoom. [Zoom Link](#)

Sign up via the [Volunteer Form](#).

Research 101 and 201 - Research 201 holds it's final session

This weekend is our 8th week of running this semester's rendition of Research 101, our foundations course for first semester students, and Research 201, our next-level advanced research methodology seminar for second and third semester students. This week in Research 101, Mr. Amadi will discuss how, why and the importance of a high quality and refined research presentation. Presenting research is crucial for scientific progress, professional development, and knowledge dissemination.

In Research 201, this week our course instructors Dr. Larry McMahan and Dr. Edward Njoo will finish up the 8 week course. The final meeting and last module of Research 201: Developing a Research Plan. Students will have developed a rigorous ability to articulate: The general and specific goals of their advisor's research in which they are working, the collective of background information related to their field, including precedent and prior art in the field, the competitive landscape within a project area, as well as a justification for the approach, the specific aims and sub-aims of research within the project, specific audiences for which the proposal might be given to and actionable plans for accomplishing the goals of research, including a justification for the techniques employed, both short-term and long-term.

NOTE: Research 101 will not be held on March 22, 2025 due to the Spring 2025 Research Symposium & Expo.

Parents, Families and Friends of ASDRP can Donate - Any Time

Thank you to all of our families who helped us raise close to \$75,000 in only 4 months this past fall. Our goal for 2025 is to double that and reach \$150,000. Your generosity has a direct impact on student researchers and

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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)

ASDRP's on campus and remote research teams. Many of our families utilize corporate matching benefits - thank you!

Financial donations can be made directly through our donation PayPal page. Options for one time and recurring donations are available. All donations are tax deductible and you can request that your donation be applied towards a specific laboratory. Check out donations webpage: www.asdrp.org/donations. If you need assistance, please contact David Linnevers @ david.linnevers@asdrp.org for more information.

On the Horizon: Upcoming Events

Saturday, March 15, 2025 @ 10:00 - 11:30 AM

Research 101, Week 8/Module 8: "Presenting Your Research", Mr. Amadi

Research 101 is mandatory for all first semester students, and covers the fundamentals of research methodology, best practices, and basic statistics and writing skills. Module 8/Week 8, Mr. Amadi will discuss how, why and the importance of a high quality and refined research presentation. Presenting research is crucial for scientific progress, professional development, and knowledge dissemination. Here's why it matters: Knowledge Sharing, Receiving Feedback & Improving Research, Professional Development & Recognition, Networking & Collaboration, Securing Funding & Support, Inspiring & Educating Others. Discussions will center around how, why and practical examples will be provided during the session. First Semester Students are required to join us at [10:00 AM PDT via Zoom](#).

Saturday, March 15, 2025 @ 12:00 - 1:30 PM

Research 201, Week 8, Module 3 / Practical 3: "Developing and Delivering a Research Plan", faculty-led

Module 3, Week 8, Practical 3 of Research 201 continues with the practical application of identifying a feasibility plan and direct actionable steps towards accomplishing the research goals outlined in Module 2. Students will have developed a rigorous ability to articulate: The general and specific goals of their advisor's research in which they are working, the collective of background information related to their field, including precedent and prior art in the field, the competitive landscape within a project area, as well as a justification for the approach, the specific aims and sub-aims of research within the project, specific audiences for which the proposal might be given to and actionable plans for accomplishing the goals of research, including a justification for the techniques employed, both short-term and long-term. All second and third semester students are required to join us at [noon on Zoom](#).

Saturday, March 15, 2025 @ 7:00 - 8:00 PM

Spring School Year Seminar: The Logic of Chemical Synthesis (Dr. Njoo) @ Seminar Room

This seminar meets on Saturday nights, with a focus on retrosynthetic analysis, strategies in atom- and step-economical total synthesis of natural products, and mechanistic study of named reactions. In person only, open to all students.

Sunday, March 16, 2025 @ 4:00 - 9:00 PM

Poster Printing

Poster printing can be done in the Engineering Lab. Student Research posters need to be approved by their advisors. For printing, a team member must be present to print your research poster. ASDRP also provides the poster board and easel (you'll get the easel at Expo on March 22).

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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)

Monday, March 17, 2025 @ 4:00 - 9:00 PM

Poster Printing

Poster printing can be done in the Engineering Lab. Student Research posters need to be approved by their advisors. For printing, a team member must be present to print your research poster. ASDRP also provides the poster board and easel (you'll get the easel at Expo on March 22).

Tuesday, March 18, 2025 @ 4:00 - 9:00 PM

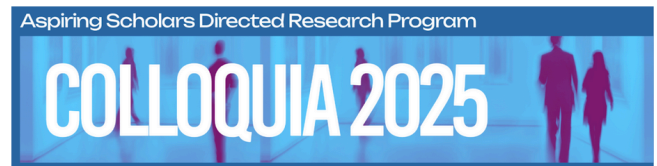
Poster Printing

Poster printing can be done in the Engineering Lab. Student Research posters need to be approved by their advisors. For printing, a team member must be present to print your research poster. ASDRP also provides the poster board and easel (you'll get the easel at Expo on March 22).

Tuesday, March 18, 2025 @ 7:00 - 8:30 PM

Colloquia held online via Zoom (Weekly) Colloquia

Website: www.asdrp.org/colloquia. Join us every Tuesday at 7:00 PM on Zoom for the ASDRP student researchers Colloquia. All are invited and student researchers need to attend. [Zoom Link](#)



Department of Computer Science & Engineering

- "Autonomous vehicles..." *Haramrit Bal, Xiangtuo Cui, Rohan Devnani, Dr. Larry McMahan*
- "EEG ASD Analysis using CNN-LSTM" *Helen Lee, Aranyak Laxmanan, Prof. Pragati Dharmale*

Department of Chemistry, Biochemistry & Physics

- "Towards quantification of cytosolic compounds using fluorescence microscope"
Jessica Parvin, Zane D'Souza, Sripathy Sadagopan, Dr. Joseph Pazzi

Wednesday, March 19, 2025 6:30 - 7:15 PM

Expo Volunteer Training for Parents. We will hold a brief touch base and run through the volunteer areas and timing for the expo. Thank you for your help! [Zoom Link](#)

Wednesday, March 19, 2025 @ 4:00 - 9:00 PM

Poster Printing

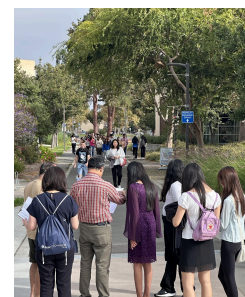
Poster printing can be done in the Engineering Lab. Student Research posters need to be approved by their advisors. For printing, a team member must be present to print your research poster. ASDRP also provides the poster board and easel (you'll get the easel at Expo on March 22).

Saturday, March 22, 2025 @ 9:30 - 1:00 PM

ASDRP Spring 2025 Research Symposium & Expo @ Mission College

See above and visit the website for registering, submitting an abstract and more.

[Research & Symposium Website](#)



Research 101 will not be held on March 22 due to the Spring 2025 Expo and Symposium.

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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

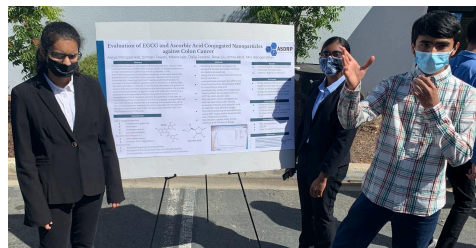
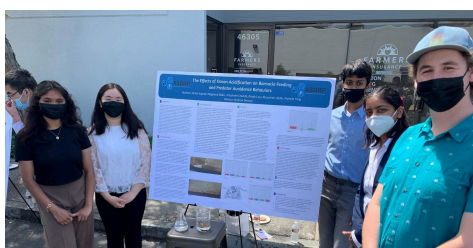
ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)

End Note

A glimpse of the ASDRP Research Expo's over the years

May of 2022 The Expo was held outside in the parking lot at ASDRP towards the end of the Pandemic. Masks were required!



The ASDRP Summer 2022 Expo was held with our new partner Mission College. We held it in the Business & Hospitality Conference Room. Masks were still around...and incredible students!



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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)



After a few times at the Hospitality Conference Room, in 2024, Mission College's Dean, Dr. Clement Lam, graciously allowed us to expand and move into their Gillmor Center. Now we have 3 floors of space, 12 presentation rooms, 2 academic lecture halls and the entire building and courtyards for all to enjoy!



Spring 2025 Expo is right around the corner - See you there!

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

© Aspiring Scholars Directed Research Program 2025, All rights reserved.

ASDRP is a production of Olive Children Foundation, a 501(c)(3) nonprofit organization in Fremont, California.

[\[Link to Public ASDRP Events Calendar\]](#)