

RESURG

Research Experience in SURGery

MISSION STATEMENT

Our vision is to promote, develop, and train students to become competent research professionals, while mentoring them in their professional and educational goals.

Visit Our Website:

<http://health.ucdavis.edu/surgery/resurg.html>

Social Media:

Instagram:

<http://www.instagram.com/ucdavisresurg/>

Facebook:

<http://www.facebook.com/ucdavisresurg/>

Email Us: hs-resurg@ucdavis.edu

CURRENT PROJECTS

The Immediate Availability of Hyaluronidase

Research Classification: Retrospective **Principal Investigator:** Lee Pu, MD

Research Assistants: Taylor Silva, Matthew Kim **Anticipated Enrollment #:** 100

The purpose is to determine the immediate availability of hyaluronidase for patients undergoing hyaluronic acid (HA) filler injections to the face. This study will be the first of its kind to elucidate the immediate availability of hyaluronidase at practices that inject HA fillers as well as EDs. This may reveal a significant safety issue regarding HA filler use in the United States, particularly if neither practices nor their neighboring EDs stock hyaluronidase. In addition, our work will determine the underlying reasons for not stocking hyaluronidase such that appropriate recommendations can be made at a policy, practice, and community level to improve patient safety.

Incidental Findings Found on Abdominal Imaging Done on General Surgery Patients

Research Classification: Retrospective **Principal Investigator:** Michael Campbell, MD & Ashley Ruf (sub-I)

Research Assistants: Rafael Ricon, Amanda Aquilio **Anticipated Enrollment #:** 2050

This study aims to identify the incidence of incidental findings found on abdominal CT scans done on patients admitted to acute care general surgery service. We then determine if and how many of these patients with incidentals receive outpatient workup. IFs that are not followed up on can lead to legal liability, delays in a diagnosis, and overall a poor patient outcome. Thus, we are evaluating how many of these patients receive follow up on their incidental findings.

Improving Access to Care for Trauma Patients

Research Classification: Prospective Human Subjects **Principal Investigator:** Joseph Galante, MD

Research Assistants: Elias Jbeily (Lead), Anya Guzman, Kar Shrikantham **Anticipated Enrollment #:** 20

The study aims to improve primary care services amongst trauma patients via inpatient counseling with or without referral to a free UC Davis student-run clinic to manage a chronic condition. The project is currently screening and enrolling patients for the study.

HOW IS RESURG CURRENTLY DOING?

Physicians RESURG is Currently Assisting: 17

RESURG RAs Assisting on Research Studies: 17

Research Studies RESURG is Assisting on: 25

Divisions RESURG Currently Supports: Vascular, Oncology, Pediatrics, Plastics, Trauma, Cardiothoracic, and Foregut, Metabolic and General Surgery

HAVE A STUDY YOU NEED HELP WITH?

Request Assistance [HERE](#). To learn more about our program visit our website [HERE](#).

CONGRATULATIONS TO OUR GRADUATING STUDENTS!



ANYA GUZMAN

“After I graduate, I plan to take a gap year to complete my prerequisites and clinical hours for PA school. I will be leaving RESURG in the middle of Summer and will also be interning as a physical therapy assistant and eventually enroll in an EMT program. My experience at RESURG has taught me the value and importance of clinical research. Not only did I learn about vascular trauma through my research studies, I got the opportunity to build my professionalism and leadership skills through RESURG’s philanthropy event. I am beyond grateful for my time at RESURG, the knowledge and guidance from my mentor, and all the amazing connections I’ve made at UCDMC.”



TAYLOR SILVA

“After graduation, I will be applying to medical school and plan to continue my current job as a COVID-19 Disease Investigator and Contact Tracer. I have learned so much throughout my time at RESURG and I will miss working alongside my fellow research assistants and leaders of the program!”



KRITIKA SHARMA

“My name is Kritika and I will be leaving RESURG this summer. This summer, I will begin working at Stanford University School of Medicine as a Clinical Research Coordinator. I plan to take one gap year and hopefully attend medical school. RESURG gave me the opportunity to work directly with physicians to learn valuable skills in an applied clinical setting. I enjoyed working on every aspect of clinical research with an aim to improve patient outcomes and how we prevent, diagnose, and treat illnesses. RESURG has helped me grow professionally and has solidified my interest in pursuing a career in medicine. I am thankful for all the amazing people I’ve met through the program, including my fellow RAs, my PIs, CRCs, and other employees at UCDMC.”



CHRISTINA BROWN

“After graduation, I plan to take a gap year and work and apply to grad school during that time. I hope to get a job as a junior specialist in the hospital and do some volunteer work in the counseling field since I plan to pursue a career as a licensed marriage and family therapist. I will be staying in RESURG as the Education and Training officer during this gap year as well. RESURG has offered a number of valuable experiences that I will be able to use for the rest of my life. I have not only gained knowledge about clinical research and how it is conducted, but I have also developed both professionally and personally through the mentorship I have received, my favorite aspect of the program. I have been able to build my interpersonal communication skills, develop as a leader, and become more confident in myself. I am incredibly thankful for all that this internship experience has provided for me and can’t wait to see how this program grows further.”

CONGRATULATIONS TO

KRITIKA SHARMA

FOR BEING AWARDED THE

“COLLEGE OF BIOLOGICAL SCIENCES DISTINGUISHED SCHOLAR AWARD IN BIOCHEMISTRY AND MOLECULAR BIOLOGY”

WELCOME SPRING CLASS 2021



“During my first quarter with RESURG, I learned a lot about the ethics, rules, and regulations surrounding human-subject research. My mentor has given me guidance regarding protocols and has helped me grow my professional development skills. My RESURG study lead has helped me understand how to work on my own study and accurately do data entry. This program has been very educational and rewarding thus far, and I look forward to continuing my work with RESURG!”

Samveda Rukmagadhan, Research Assistant

“My first quarter at RESURG has been tremendously rewarding experience and I feel very privileged to have been able to learn so much about the processes of clinical research. Working on my first IRB protocol was a challenge yet enriching process under the guidance and supervision of the incredible RESURG admin team and I’m excited to utilize everything I’ve learned in future studies. I’ve met so many amazing people through RESURG and I can’t wait to see everyone in person and further those connections. I’m so excited for the rest of my RESURG journey and am looking forward to learning and experiencing more clinical research in the future.”

Anjani Patibandla, Research Assistant



“My first quarter at RESURG has taught me a lot, from understanding the process of conducting a research study and writing protocols to learning about various diseases themselves. With the help of my mentor and fellow RESURG members, I have improved on my professionalism and time management skills as I assist with data entry in a retrospective study. I look forward to all there is to learn and am excited to see what the next quarters bring!”

Zilan Zheng, Data Specialist

“Hello! My name is Kar Shrikantham and I am the new Trauma Research Assistant in RESURG. Over the past few months, I have learned so much from my mentor and all the wonderful members who are a part of RESURG. I am currently planning on taking over three studies all related to trauma research and I am excited to keep working with my peers and mentors to ensure the most beneficial outcomes in all of our respective studies. The collaborative and constant learning environment I have encountered at RESURG is truly inspiring and it has pushed me to work harder and strive to be the best possible version of myself, which is something I am truly grateful for.

Srikar Shrikantham, Trauma Research Assistant





RA Q&A WITH ASHLEY TRUONG

Meet **Ashley Truong**! Ashley is a data specialist with RESURG and she has been in the program since Summer 2020. In December 2020, Ashley became a Junior Specialist for the Plastic and Reconstructive Surgery Division at UCDMC. We were able to ask Ashley a few questions about her goals, what responsibilities her position as a Junior Specialist entails, and how RESURG has helped her transition into her position.

Q: What are some of your future career goals and what are your current post-grad plans?

A: I hope to become a physician in the future, and I am currently interested in primary care. My post-grad plans include taking the MCAT and applying to medical school while continuing to assist with research at the Department of Surgery.

Q: Can you tell us about your current job position?

A: Since December 2020, I have been working as a Junior Specialist for the Plastic and Reconstructive Surgery Division at UCDMC. My main responsibility is the regulatory management of all current research projects going on within the division. Both attendings and residents come to me with innovative ideas for potential projects and together we work on submitting the IRB, data collection, and analysis. Throughout the process, I consent patients, make sure that both the patients and their information remain protected, and that all of our research is in line with our protocol's guidelines. I have also had the opportunity to contribute to writing and presenting research supported by the Plastics Division.

Q: How has RESURG helped you transition into your current Junior Specialist position?

A: Everything that I have learned from RESURG has been useful in my position. Through RESURG, I have learned: the importance of effective screening, how to submit IRB packages and modifications, and how to create a REDCap database. All these skills I am able to implement in my current Plastics projects. Through RESURG, I learned how to consent remotely via DocuSign and now use DocuSign daily to consent patients for Plastics studies. RESURG gave an amazing overview of the entirety of the research process from project start up to closure, and I continually build on this knowledge through being a Junior Specialist.

Q: For those who are interested in joining RESURG, as well as a Junior Specialist position at UCDMC, what would you recommend to them?

A: Apply to RESURG during our next application cycle! RESURG gives undergraduate students a strong foundation to utilize in any clinical research job/internship. Through this program, I have also been able to meet other individuals that are interested in clinical research and careers in medicine. There is always someone I can go to, whether it is for job and school advice, personal support, or course assistance with the complications that naturally arise throughout the lengthy research process. We also have a mentorship program within RESURG. My mentor helped me adjust to my current position and I am so grateful for everything she has taught me throughout the past year.