

RESURG

Research Experience in SURGery

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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.

Email Us:

hs-resurg@ucdavis.edu

Program Coordinator:

Laura B. Jones- lbjones@ucdavis.edu

CURRENT PROJECTS

Understanding Thoracic Outlet Syndrome

Research Classification: Retrospective **Principal Investigator:** Misty Humphries, MD

Research Assistants: Matthew Kim (Lead)

The aim of this study is to identify factors associated with Thoracic Outlet Syndrome and develop treatment algorithms for patients with Thoracic Outlet Syndrome.

Magnesium Infusion for Pain Management in Critically Ill Trauma Patients

Research Classification: Prospective, Clinical Trial **Principal Investigator:** Christine Cocanour, MD

Research Assistants: Gabrielle Echt (Lead)

The study aims to demonstrate the effectiveness of continuous intravenous administration of magnesium sulfate as compared to placebo in decreasing pain in critically injured patients.

Database of Surgical and Oncologic Outcomes for Liver and Pancreas Surgical Oncology Patients

Research Classification: Retrospective **Principal Investigator:** Sepideh Gholami, MD

Research Assistants: Alexis Chirco (Lead)

The study aims to track surgical and oncologic outcomes for liver and pancreas cases for the UC Davis surgical oncology department.

Investigating the Role of Timing in Post-Operative Ankle/Toe Brachial Index

Research Classification: Retrospective **Principal Investigator:** Mimmie Kwong, MD

Research Assistants: Christina Brown (Lead), Andrea Sommer

The aim of this study is to determine if there is an ample appropriate time to conduct an Ankle Brachial Index study after a patient has experienced an endovascular or lower extremity intervention for infrainguinal arterial occlusive disease.

Outcomes of Surgery in COVID-19 Infection: An international Cohort Study

Research Classification: Prospective **Principal Investigator:** Rachael Callcut, MD

Research Assistants: Avni Suri (Lead)

The study aims to analyze the surgical outcomes for patients who are diagnosed with COVID-19 perioperatively, with a primary predictor being 30-day mortality.

Characterization of the Melanoma-Specific Immune Response

Research Classification: Prospective, Clinical Trial **Principal Investigator:** Amanda Kirane, MD

Research Assistants: Kevin Ly (Lead), Matthew Kim

The studies aim is to test the effects of a melanoma treatment, neoadjuvant Talimogene laherparepvec (or T-VEC) on high risk melanoma patients who obtained poor outcomes with standard-of-care treatments.

CONGRATULATIONS LEO ANDRADA AND KEVIN DINH



LEO ANDRADA

Leo will be attending Liberty University College of Osteopathic Medicine in Lynchburg, Virginia. He chose this school because it will provide him with the opportunity to learn and grow in a Christ-centered academic environment and because of the school's commitment to service and community.

Leo has also commissioned into the Air Force:

"I chose the Air Force on the HPSP seeking an adventure, world-class, unique training and leadership experience, and a chance to serve my country."



KEVIN DINH

Kevin will be attending University of California, San Diego. He chose UC San Diego because of the opportunities to explore both my research and career interests. "International medicine at the US-Mexico border and research involving people living with HIV were two things that got me really excited when I interviewed! And I can't complain about the weather either."

"I want to thank Laura Beth for all the time and effort she's put into teaching. I first starting working with Laura my first year of college, and she supplemented my academics in a way I couldn't place a value on. There's no question of Laura's commitment to mentorship."

RESURG CONGRATULATES YOU ON YOUR ACCOMPLISHMENTS AND WISHES YOU WELL ON YOUR JOURNEYS AHEAD! THANK YOU FOR YOUR DEDICATION AND INVOLVEMENT IN OUR PROGRAM. WE WOULD NOT BE WHERE WE ARE TODAY WITHOUT BOTH OF YOU!

WELCOME **SPRING** CLASS 2020



Anya Guzman [Research Assistant]



Kevin Ly [Research Assistant]

This program is a grassroots effort to develop a sustainable research experience for undergraduate students and give them experience with surgeons who are changing the face of surgery through their research. We hope to inspire young minds to contribute to science and encourage them as they look at the medical field for their future, and there is no greater specialty than surgery.

Dr. Misty Humphries

RESURG MERCHANDISE

RESURG Quarter-Zip – You can order a sweatshirt for yourself or donate a sweatshirt to a student!
Order Form: Here is the google form: <https://forms.gle/Gv7cheaE41vcRTXN6>

