

Annual Report 2024

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Chair's letter

In 2024, growth was a defining theme as we expanded our footprint and advanced our mission. We welcomed Bayfront to the Mission Bay campus and completed the acquisition of St. Mary's and Saint Francis hospitals in San Francisco, further strengthening our presence in the region.

Construction progressed on the state-of-the-art Helen Diller Medical Center at Parnassus Heights, a cornerstone of our commitment to world-class patient care. Meanwhile, our research enterprise continued to thrive, with significant advancements in clinical discovery, data science, machine learning, and AI-driven healthcare solutions.

Our education and residency programs remained among the nation's best, attracting top-tier medical students. The 2024 residency match was one of the most competitive yet, with 1,300 applicants (we interviewed 196!) vying for 26 coveted spots.

Also, we welcomed new faculty and staff, ensuring strong guidance for the years ahead. I am proud of all we accomplished in 2024 and am excited to see the ways our department continues to grow and shine in the year to come!

Michael Gropper, MD, PhD

Distinguished Professor and Chair



Clinical Highlights

Clinical Highlights

Adult Critical Care Medicine

Our clinical service continues to flourish with over 30 dedicated anesthesiologist-intensivists providing expert care across all our intensive care units (ICUs), including the Medical ICU, Surgical ICU, Cardiothoracic ICU, and Neuro ICU.

UCSF Anesthesia continues to expand its critical care services to meet the needs of an increasingly complex patient population. The newly established “Central Intensivist” service at Parnassus, staffed by a faculty member seven days a week, enhances our ability to bring critical care expertise to patients wherever they are in the hospital. This dedicated attending plays a key role in coordinating ICU triage, actively managing capacity across UCSF hospitals, supporting patient transfers, and teaching residents and fellows when they rotate on the service.

Interest in anesthesiology critical care is also surging, with more medical students eager to join our Critical Care Scholars residency track and residents pursuing fellowship training. As our system grows and the new Helen Diller Hospital expands ICU capacity in 2030, the future is bright for anesthesiologists committed to critical care. Additionally, Dr. Lindsey Huddleston has been appointed as the inaugural Chief for Critical Care Anesthesiology, further strengthening our leadership in this field.

Kevin Thornton, MD

Executive Medical Director - Adult Critical Care



Clinical Highlights

Ambulatory Surgery Centers

Bayfront Surgery Center opened in August 2024. We are running 8-10 ORs on any given day with case numbers surpassing original budgets. Plans to open two additional ORs by Summer 2025 offer new opportunities for outpatient spine surgery, breast and plastic surgery, and vascular surgery and orthopedics in the future. Bayfront is proud to provide care to a diverse and medically complex patient population. We regularly perform complex airway procedures using jet ventilation and are actively growing our outpatient robotic surgery program. Our overnight stay beds are being put to beneficial use and provide additional flexibility for us to perform more complex procedures that necessitate a period of close observation.

Our newest ambulatory surgery center in Burlingame, the Peninsula Outpatient Center (POPC), is slated to open in Spring 2025. This will be UCSF's first destination for outpatient surgery in the Peninsula. The medical building houses outpatient clinics, imaging and infusion services, and a four-OR ambulatory surgery center (ASC). The ASC will provide endoscopy and interventional pain services, OHNS, breast, plastic surgery, orthopedics, and general surgery. We are excited to announce Dr. Stephanie Lim as our interim lead anesthesiologist for POPC. Her responsibilities will include overseeing operations at the facility in partnership with Dr. Tyler Chernin and Executive Nursing Director Debbie Gee.

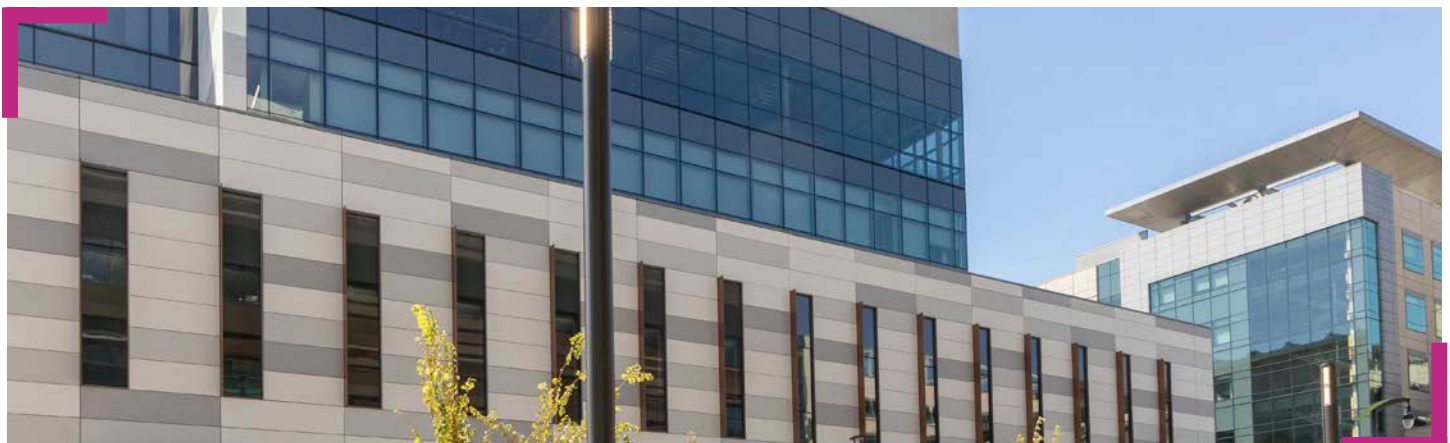
The Parnassus Outpatient Surgery Center (POSC) was converted to an outpatient endoscopy center after the opening of Bayfront at the end of August 2024. This busy center primarily performs endoscopy procedures using moderate sedation services provided by trained endoscopy nurses. We will be running 3-4 rooms of endoscopy with anesthesia services starting in June 2025.

Tyler Chernin, MD

Vice Chair of Ambulatory Anesthesia

Medical Director, Parnassus Outpatient Surgery Center (POSC)

Medical Director, Bayfront Surgery Center



Clinical Highlights

Benioff Children's Hospital Oakland

Pediatric Anesthesiology at UCSF Benioff Children's Hospital (BCH) Oakland is dedicated to caring for the diverse communities of Oakland and the greater East Bay. Now in its third year, the team continues a proud tradition of delivering safe, efficient, and timely care to pediatric patients from the Bay Area and beyond.

As a Level 1 pediatric trauma center and the East Bay's leading children's hospital, BCH Oakland stands at the forefront of pediatric care. We offer anesthesia services across various specialties, including in operating rooms, radiology suites, sedation suites, pediatric cardiac surgery, pediatric pain management, and the pediatric pre-op clinic.

Currently staffed with 12 full-time faculty pediatric anesthesia and pediatric cardiac anesthesia providers, the group is poised for further growth. This year, we are launching an interventional pediatric pain program with Dr. Caro Monico, a pediatric anesthesiologist with additional board certification in pediatric pain medicine. We are committed to enhancing patient care and addressing the complex needs of pediatric patients in the East Bay.

Beyond patient care, Pediatric Anesthesiology at BCH Oakland continues to uphold its tradition of excellence in medical education. Faculty members are actively involved in training and mentoring medical students, residents, and fellows, providing hands-on experience, lectures, and guidance to the next generation of anesthesiologists.

Taran Sangari, MD, MBA

Vice Chair and Chief, Pediatric Anesthesiology
Benioff Children's Hospital Oakland



Clinical Highlights

Clinical Affairs

Moffitt Long (ML) Hospital, with the ML ORs, ML nonoperating room anesthesia (NORA), Cath/Electrophysiology Labs, and Endoscopy, remains our busiest site for anesthesia and critical care, staffing between 30 and 39 anesthetizing locations per day.

2024 brought increasing demand for clinical services at our existing sites and expansion into new sites. Under the leadership of Dr. Tyler Chernin, the Bayfront Outpatient Surgery Center opened, while the new Center for Pain Medicine, led by Dr. Chris Abrecht, launched within the Bayfront Medical Building. Additionally, Dr. Alexander Butwick assumed the role of Chief of Obstetric Anesthesia.

With the transition of Parnassus Outpatient Surgery Center (POSC) into a dedicated endoscopy center, anesthesia-supported cases have been steadily increasing. Across all sites, anesthesia teams provided care for 72,000 surgeries and procedures—marking a 6.5% increase from 2023. The shift of outpatient surgeries to Bayfront has created more capacity at ML while increasing patient and surgical complexity.

As site expansion continues, scheduling remains a challenge due to fluctuating case volumes, yet ongoing efforts, including enhanced leave-time monitoring and the implementation of a long-awaited peel-off system at ML, are helping to create a more predictable workday.

Helge Eilers, MD

Vice Chair of Clinical Affairs, UCSF Health



Clinical Highlights

Mission Bay

At Mission Bay, our comprehensive services include Breast, Colorectal, Gastrointestinal, Gynecology, Gynecologic Oncology, Hepatobiliary, High Intensity Focused Ultrasound (HIFU), Interventional Radiology (IR), Neurosurgery, Obstetrics/Gynecology, Otolaryngology Head and Neck Surgery (OHNS), Orthopedics, Orthopedic Oncology, Plastics, Radiation Oncology, Neurointerventional Radiology (NeuroIR), Magnetic Resonance Imaging (MRI), Position Emission Tomography (PET), Reproductive Endocrinology and Infertility (REI), and Urology.

Several surgical services have added new surgeons this past year. This proved challenging given our already high block utilization rate of 77%. We have worked to move some of our outpatient volume to the new Bayfront Medical Building to make room for inpatient growth. Additional services from Mount Zion (radiation oncology and ophthalmology) will be moving to Mission Bay as part of a strategic alignment of available resources.

Over the past year, we have experienced growth across various departments: a 3% increase in Operating Room (OR) volume, a 15% rise in endoscopy procedures, and a 5% increase in NORA (Non-Operating Room Anesthesia) cases. Our robotic surgeries remain busy, and we will be adding a 5th Xi platform (with one Sp platform), enabling us to perform more precise and minimally invasive procedures.



Clinical Highlights

Mission Bay (cont'd)

Our continued growth and the expansion of our services underscore our dedication to advancing medical care and improving patient outcomes at Mission Bay Adults.

Finally, we continue enrollment for the THRIVE trial, evaluating the differences between total intravenous anesthesia (TIVA) versus inhaled volatile anesthesia (INVA). We are one of the first sites to gain approval and continue to contribute to this project.

Here are our MAPS (Multidisciplinary Approach to the Placenta Service) numbers up through 2024.

Year	Ruled Out	Ruled In	Total Patients	Patients / Month
2018	12	10	22	1.8
2019	31	22	53	4.4
2020	22	23	45	3.75
2021	34	21	55	4.6
2022	50	30	80	6.7
2023	45	20	65	5.4
2024	44	23	67	5.6

Lee-lynn Chen, MD
Vice Chair and Chief of Anesthesia, Mission Bay
Medical Director, Mission Bay

Clinical Highlights

Mount Zion

Mount Zion Hospital made significant strides in improving patient care and operational efficiency in 2024. A multidisciplinary working group comprised of members from Orthopedic Surgery, Anesthesia, Nursing, and Physical Therapy has spearheaded the development of a same-day total joints program. Outpatient volume has transitioned from Mount Zion to Bayfront, leading to the closure of two operating rooms, with plans for future reopening. Additionally, the team has revised the enhanced recovery after surgery (ERAS) pathway for total joint procedures to optimize patient outcomes.

In leadership news, Dr. Saam Morshed from the Department of Orthopedic Surgery has been appointed as the new triad surgical lead.

Christy Inglis-Arkell, MD

Associate Chair of Clinical Services, UCSF Health
Medical Director, Mount Zion Surgery Center



Clinical Highlights

Obstetric Anesthesia

Obstetric Anesthesia at UCSF continues to provide outstanding care to pregnant patients, deliver first-class education and training to residents and fellows, and lead research efforts aimed at advancing obstetric anesthesia practice. From routine deliveries to complex cases, our team ensures safe, patient-centered anesthesia care for all patients at the UCSF Birth Center. We are also integral to the multidisciplinary management of high-risk conditions, such as placenta accreta syndrome, for which UCSF serves as a major referral center. Our ACGME-accredited fellowship program has a highly regarded reputation, and the Labor and Delivery Units at both Mission Bay and Zuckerberg San Francisco General Hospital have been recognized as Centers of Excellence by the Society for Obstetric Anesthesia and Perinatology. In addition to our clinical expertise, we are proud to be recognized for our excellence in education: our faculty consistently receive top rankings from anesthesia residents for the quality of their teaching, mentorship, and commitment to training the next generation of anesthesiologists.

In 2024, the Birth Center saw 2,473 deliveries, with monthly epidural labor analgesia rates ranging from 85-89% and an overall cesarean delivery rate of 31%. A key obstetric quality metric, the nulliparous, term, singleton, vertex (NTSV) cesarean rate, ranged between 21-25%, closely aligning with the statewide benchmark of $\leq 23.7\%$. Ongoing quality improvement efforts are in place to maintain and further reduce these rates. Looking ahead to 2025, we anticipate a rise in delivery volume (projected $>2,600$ deliveries), reinforcing the increasing demand for obstetric anesthesia services.



Clinical Highlights

Obstetric Anesthesia (cont'd)



This year, UCSF welcomed Dr. Alexander Butwick as the new Chief of Obstetric Anesthesia. Dr. Butwick is an internationally recognized clinical investigator whose research focuses on optimizing anesthesia management for postpartum hemorrhage, a leading cause of maternal morbidity and mortality. Our faculty continue to shine, with Dr. Stephanie Lim appointed as Interim Chief of the Burlingame OR Complex, Dr. Jenny Woodbury invited as an American Board of Anesthesiology examiner, and Drs. Sherry Liou, Jenny Woodbury, and Pamela Huang receiving Excellence in Teaching Awards from the UCSF Haile T. Debas Academy of Medical Educators. Dr. Pedram Aleshi was named Vice-Chair of Academic Affairs, and Drs. Won Lee, Jeremy Juang, John Markley, and Arthur Chyan are leading innovative research initiatives in obstetric anesthesia and reproductive health.

Obstetric Anesthesia continues to thrive, combining clinical expertise, educational excellence, and groundbreaking research to elevate patient care and shape the future of the field.

Alexander Butwick, MBBS, FRCA, MS

Chief, Obstetric Anesthesia

Clinical Highlights

Pain Medicine

Pain Medicine in the Department of Anesthesia and Perioperative Care continues to provide care across all the UCSF Health campuses. On the inpatient side, three separate Acute Pain consult services and one Chronic Pain consult service provide care at Parnassus, Mount Zion, and Mission Bay sites. On the outpatient side, our flagship clinic, now renamed the Center for Pain Medicine, moved from 2255 Post Street on the Mount Zion campus to the beautiful new Bayfront Medical Building at 520 Illinois Street on the Mission Bay campus.

The move of our clinic to Bayfront has been a long time coming, due to years of advocacy by our department chair and other executive leadership and ongoing efforts to improve the clinic's financial standing. The new state-of-the-art facility is over 9,000 square feet, with four procedure rooms, three of which have C-arms, six pre- and post-procedure holding areas, eight clinic rooms, five flexible telehealth rooms, two psychology offices, and much more. Shortly after moving, our procedure volume increased approximately 15% and our operational revenue increased around 25%. The new space has also allowed us to create new, innovative programs, such as a psychologically informed physical program, in which patients with kinesiophobia (fear of movement) are seen in an integrated visit by both a pain psychologist and a physical therapist. We have also increased our ketamine and lidocaine infusion volume by approximately 50% since moving to Bayfront and anticipate further growth as we finalize an inter-departmental collaboration with psychiatry to provide ketamine infusions not just for pain but for treatment resistant depression.

With the move to Bayfront, we have also enjoyed a substantial increase in our non-provider staff, which has been key in supporting our ongoing growth. Additional providers include another pain psychologist, two pain pharmacists, a nurse practitioner, and a physician faculty member who is also boarded in palliative care. Together, these faculty and staff help us to further grow inter-departmental collaborations and develop new programs.

It is an exciting time of growth for our specialty, and I look forward to even more to come in the coming years.

Chris R. Abrecht, MD

Chief, Pain Medicine

Medical Director, Center for Pain Medicine



Clinical Highlights

Pediatric Anesthesia

The pediatric anesthesia specialty continues to expand, and we have had a notable year.

Pediatric Anesthesia Research

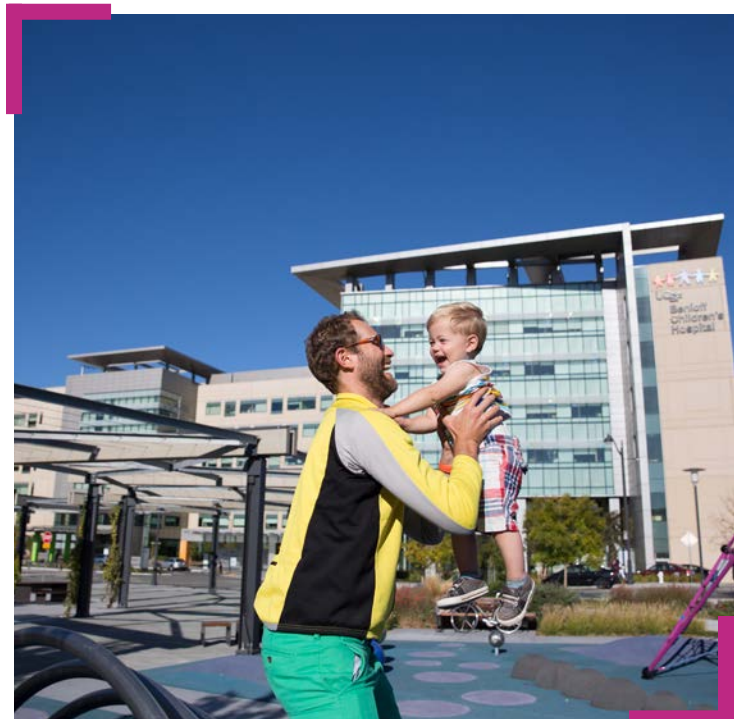
Anshuman Sharma, MD, chief of pediatric cardiac anesthesia, has been named the director of pediatric anesthesia research. In this role, he is working to expand our specialty's engagement in research. He also initiated our annual George Gregory Lectureship, which in 2024 featured Dr. George Gregory himself. Dr. Gregory spoke about his discovery of continuous positive airway pressure for neonates with respiratory distress syndrome to a large audience of current UCSF faculty, trainees, and alumni.

Expanding our Footprint in Pediatric Pain

This year, we proudly announced a new outpatient pain clinic for our pediatric patients. Drs. Caro Monico and Jocelyn Wong are two pediatric anesthesia pain trained physicians who staff this clinic, which has locations at Bayfront and Walnut Creek. Our team can be consulted to develop peri-operative pain plans for patients with a history of challenging post-operative pain control or for patients with complex care needs who have concerns about recovery after surgery. Our physicians can also assist with common post-surgical pain issues like Complex Regional Pain Syndrome (CRPS), medication weaning, and chronic post-surgical pain. Treatment planning may involve complex medication management and interventional pain procedures. We are excited about elevating the level of pediatric pain care at our hospital.

Cross-Bay Collaboration

In the fall of 2024, pediatric anesthesia had a group retreat, with the goal of strengthening our collaboration across all three pediatric sites (Mission Bay, Oakland, and Walnut Creek). This enormously successful event allowed our team to improve faculty relationships and better understand our shared mission and values.



Clinical Highlights

Pediatric Anesthesia (cont'd)

Fellowship

In the summer of 2025, we will welcome our largest pediatric anesthesia fellowship class at UCSF to date, with four fellows. Increasing the size of our fellowship has been possible due to our increased clinical volume and clinical expansion. Fellows will work clinically at Mission Bay, Oakland, and Walnut Creek.

Marla Ferschl, MD

Executive Vice Chair of Pediatric Anesthesia
Chief, Pediatric Anesthesia



Clinical Highlights

Orthopaedic Institute

The Orthopaedic Institute (OI) is located in the Mission Bay Campus. It offers comprehensive musculoskeletal care in one location. 2024 was a memorable year for the OI. We celebrated the OI's 15th anniversary of operations. Our typical procedures include arthroscopic surgeries on joints, hand, and foot/ankle surgeries. The OI launched an ambulatory total joint arthroplasty service last year. We provide anesthesia for hip and knee arthroplasty surgeries, and the patients typically go home 3 hours after surgery.

Surgical volume has steadily increased since its opening, with over 3,000 surgical cases in FY24. To accommodate increasing surgical volume, we added a 5th OR last year.

At the OI, we perform a high volume of peripheral nerve blocks. We typically have a resident or fellow on staff for their regional anesthesia rotation, and this has been a popular elective rotation for residents. Finally, patient satisfaction has been consistently high. Based on patient satisfaction surveys, the “likelihood of recommending” score has been over 90%.

Sakura Kinjo, MD

Medical Director, UCSF Orthopaedic Institute



Clinical Highlights

VA Health Care System

The Anesthesia Service of the San Francisco VA Health Care System (SFVAHCS) provides exceptional clinical care; educational experiences for anesthesia residents, medical students, and pain fellows; and conducts clinical research and development.

The SFVAHCS Anesthesia Service provides cardiac and non-cardiac operating room care; ICU care; anesthesia for non-operating room care in GI, cardiology, radiology, and psychiatry; acute and chronic pain services; emergency airway management; a comprehensive simulation program for quality improvement; and staff, resident, and student education.

SFVAHCS research programs include big data epidemiology projects on developing and testing the safety and efficacy of medications; machine vision based remote, non-contact monitoring; monitors for depression, pain, and neurocognitive testing; and drug development for PTSD; as well as developing a nationwide quality improvement program for VA anesthesia care, reviewing 500,000 cases per year in 130 facilities.

In 2024, Dr. Julien Cobert had his non-contract, remote machine vision-based pain meter manuscript published. Dr. Art Wallace submitted the AVD-M monitor FDA pre-submission. We continue to develop VA-AnesQIP, our 139-hospital quality improvement (QI) system based on big data techniques.

Art Wallace, MD, PhD

Chief of Anesthesia, VA Health Care System



Clinical Highlights

Zuckerberg San Francisco General Hospital

Our mission is to promote the best personalized perioperative care experience for our patients in line with the core principles of justice, equity, safety, and sustainability. In 2024, we made significant advancements across multiple domains, reflecting our commitment to delivering exceptional care and fostering innovation.

In our clinical domain, we have continued to excel in areas such as obstetrics, acute and chronic pain management, perioperative medicine, and critical care, ensuring a comprehensive and personalized perioperative care experience for our patients. Among other achievements, we successfully participated in transitioning a substantial portion of our surgical ICU from an open to a close model. We have increased our OR capacity and, consequently, helped decrease the overall length of hospital stay for patients needing an urgent surgical procedure. We were awarded a Center of Excellence award by the Society for Obstetric Anesthesia and Perinatology (SOAP).

We thrived in the academic realm as well, with numerous grants secured from foundations and federal agencies such as National Institutes of Health (NIH), Patient Centered Outcomes Research Institute, Department of Defense, and others. We had over 70 publications (including in major journals such as Journal of the American Medical Association [JAMA]) in 2024 covering a diverse range of research topics, including basic science, clinical research, data science, global health and equity, and quality improvement.

Additionally, we introduced new educational opportunities, including new simulation sessions in the OR and the ICU, and continued to hold our quarterly international complex case conference, receiving overwhelmingly positive feedback from trainees. This international collaboration will be expanded in 2025 with the first faculty exchange program between ZSFG and the European Hospital George-Pompidou in Paris, France.

Financially, we celebrate a marked improvement in ZSFG finances, evidenced by a positive end-of-year balance for the fourth consecutive year and the restoration of healthy reserves, ensuring our sustainability and continued growth.

Our commitment to diversity, equity, and inclusion remains steadfast, and following our last faculty retreat, we implemented several initiatives, resulting in tangible achievements in areas such as compensation and recruitment.

Clinical Highlights

Zuckerberg San Francisco General Hospital (cont'd)

Finally, we continue to be extremely proud of our anesthesia techs, CRNAs, Respiratory therapists, Nurse Practitioners, and office staff. Their professionalism and dedication are extraordinary and have contributed to further bolstering our ability to deliver exceptional care to our patients and advance our missions.

Romain Pirracchio, MD, PhD

Chief of Anesthesia and Perioperative Care at ZSFG

Executive Vice Chair of Adult Anesthesia



Education Highlights

Education Highlights

A message from Kristina Sullivan, MD, Associate Chair of Education and Jannot Ross, Director of Education

The Education program announced a series of advancements in 2024. In May, we proudly sent 10 talented anesthesiology residents to the Western Anesthesia Resident's Conference (WARC) in Irvine, CA. Their participation highlighted our commitment to academic excellence and innovation, with residents presenting original research and engaging with peers from across the region. Their presence at WARC underscores the department's dedication to fostering a scholarly environment that encourages residents to contribute to the broader field of anesthesiology.

Also in May 2024, UCSF unveiled the state-of-the-art Simulation Lab in PRIDE Hall at ZSFG. This innovative facility now supports a robust curriculum of simulations, serving all levels of training in our residency and fellowship programs. Designed with the latest technology, the lab hosts simulation sessions for interns, CA1 onboarding, CA2 and CA3 crisis management, Critical Care scholars, and ICU fellows. The Simulation Lab is also equipped to host the American Board of Anesthesiology's Maintenance of Certification in Anesthesiology (MOCA) courses. This space will be pivotal in advancing our hands-on, immersive training, ensuring UCSF residents are prepared for the complexities of modern anesthesiology.

We opened a Skills Lab at our Parnassus campus, strategically located near the OR to facilitate training in critical areas like transesophageal echocardiography (TEE), transthoracic echocardiography (TTE), and point-of-care ultrasound (POCUS). This skills lab provides immediate access for hands-on teaching and practice during OR breaks, with drop-in sessions led by cardiac faculty. Each month, faculty members present a new case, allowing residents and fellows to engage with diverse clinical scenarios. The lab is equipped with an ALS mannequin, airway equipment for intubation practice, and a TEE/TTE simulator, making it an ideal setting for developing and refining essential skills.

The Education program enhanced the onboarding experience for incoming CA1 residents, prioritizing individualized learning and maximizing hands-on practice. To accommodate these changes, the incoming cohort was split into two groups with a staggered start, allowing for more focused teaching time per resident. The revised onboarding program now includes expanded simulation sessions and practical workshops, providing new residents with a comprehensive and supportive transition into clinical anesthesia training.

Education Highlights

To further support UCSF's commitment to developing clinician-researchers, we have introduced a new research track, Alternative Resident Research and Innovation for Scientific Excellence (ARRISE). As an alternative to the Research Scholars Pathway, ARRISE is designed to integrate meaningful research experience within the constraints of residency, allowing participants to complete up to 6 months of research in their CA3 year and 3 months in their CA2 year without extending their training or delaying graduation. Residents in the ARRISE program will work clinically one day per week and participate in the general weekend call pool during research blocks, with flexible scheduling options to optimize their research productivity. ARRISE aligns with the American Board of Anesthesiology's guidelines for research during residency and underscores UCSF's commitment to advancing scientific inquiry within the field of anesthesiology.

These developments represent our dedication to educational excellence, clinical skill advancement, and research innovation. The Education program is honored to continue to provide our residents with the best resources and opportunities to thrive as leaders in anesthesiology.

Kristina Sullivan, MD

Anesthesia Residency Program Director

Director of Education and Assessment for Graduate Medical Education at UCSF

Associate Chair of Education

Jannot Ross

Director of Education



Research Highlights

Research Highlights

Pain and Addiction Research Center (PARC)

Hosted by the department, PARC's mission is to accelerate the translation of research into improved patient care in pain and addiction. In 2024, PARC continued to develop collaborations among its members to increase the number of translational pain and addiction research projects.

We continued funding for our PARC research fellowship, enabling faculty members to pursue groundbreaking research in pain and addiction management and treatment. The 2024 spring research event provided a forum for sharing insights and fostering collaboration among researchers, scientists, and clinicians in translational pain and addiction research.

We expanded the reach of the pain.ucsf.edu website, offering a comprehensive resource hub with educational materials for patients and clinical providers.

PARC's website facilitates engagement among member faculty and trainees, describing PARC's working groups, member lists, monthly seminars, and more. We are pleased to report a significant increase in membership, both among faculty and trainees, underscoring the growing recognition and interest in our program.

Mark Schumacher, MD, PhD

Vice Chair, Pain Medicine

Director, Pain and Addiction Research Center (PARC)



Research Highlights

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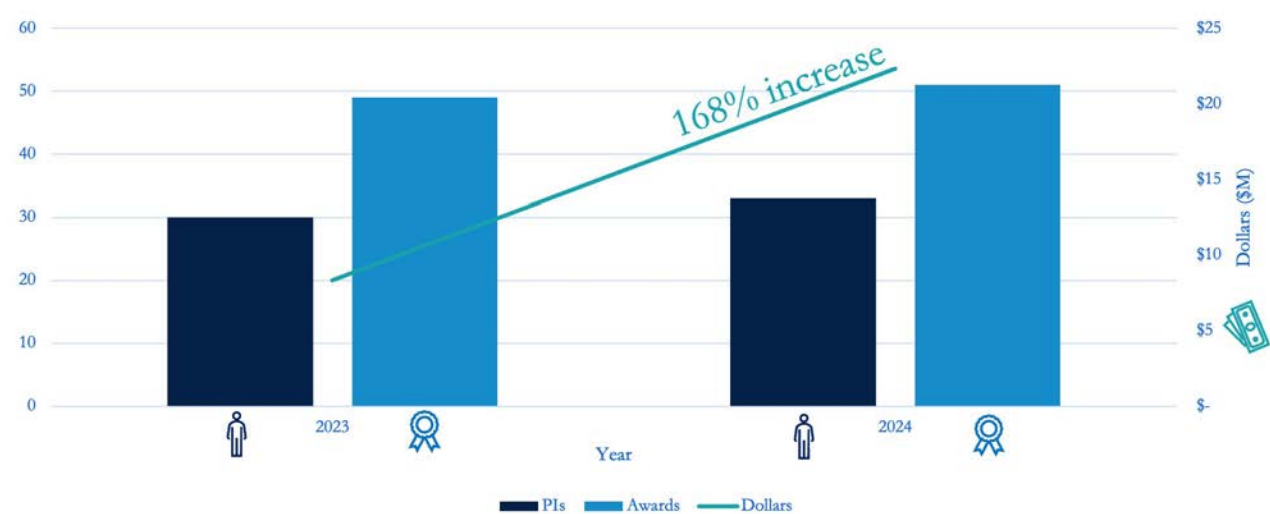
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Research Highlights (cont'd)

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New Research Awards

Compared to the year prior, we saw a 168% increase in research funding in our department.



Department Active Research Awards

2024

Principal Investigator	Agency	Title	Project Period
Abrecht, Christopher	UCSF	Gift Fund	10/01/2021 - 09/30/2024
Adelmann, Dieter	University of Maryland	Dissecting the role of dynamic epigenome prompting pathways leading to kidney allograft fibrosis	07/01/2020 - 06/30/2024
Barreto Chang, Odmara	UCSF School of Medicine	2021 Irene Perstein Award	07/01/2021 - 06/30/2024
Barreto Chang, Odmara	UCSF Weill Institute for Neurosciences	Weill Award for Clinician-Scientists in the Neurosciences	07/01/2024 - 06/30/2025
Barreto Chang, Odmara	Medtronic	Evaluation of BIS” and Levels of Sedation with Common Inhalational Anesthetics in Healthy Volunteers (OLIVER)	02/01/2024 - 01/31/2028



Principal Investigator	Agency	Title	Project Period
Barreto Chang, Odmara	Robert Wood Johnson Foundation	Perioperative risk factors for postsurgical cognitive decline among older adults undergoing spine surgery	02/01/2024 - 01/31/2028
Benkwitz, Claudia	UCSF Pediatric Heart Center	Impact of Cyanosis and Dexmedetomidine on the Metabolomic Fingerprint in Congenital Heart Disease	01/01/2021 - 03/01/2024
Bickler, Philip	PranaQ Pte., Ltd.	PRAN01: Accuracy of Pulse Oximeters with Profound Hypoxia	10/10/2023 - 04/09/2024
Bickler, Philip	Quanta Computer, Inc	QUAN01: Accuracy of Pulse Oximeters with Profound Hypoxia	09/12/2023 - 03/11/2024
Bickler, Philip	Apple, Inc.	APPL03: A pharmacologic blood pressure study	05/01/2021 - 10/13/2024
Bickler, Philip	Hinlab	HINL01: Accuracy of Pulse Oximeters with Profound Hypoxia	10/10/2023 - 04/09/2024
Bickler, Philip	Nonin Medical Inc.	NONI51: Accuracy of Pulse Oximeter with Profound Hypoxia	10/02/2023 - 04/01/2024

Principal Investigator	Agency	Title	Project Period
Bickler, Philip	Movano Inc.	MOVA01: Accuracy of Pulse Oximeters with Profound Hypoxia	10/31/2023 - 04/01/2024
Bickler, Philip	Mammendorfer Inst fur Physik und Medizin	MIMP02: Accuracy of Pulse Oximeters with Profound Hypoxia	04/25/2024 - 10/24/2024
Bickler, Philip	Philips North America	PHIL07: Accuracy of Pulse Oximeters with Profound Hypoxia	06/24/2024 - 12/23/2024
Bickler, Philip	Gabi SmartCare	GABI05: Accuracy of Pulse Oximeters with Profound Hypoxia	05/03/2024 - 11/02/2024
Bickler, Philip	Oxiwear, Inc.	OXIW04: Accuracy of Pulse Oximeters with Profound Hypoxia	03/14/2024 - 03/19/2024
Bickler, Philip	MEKICS Co., Ltd	MEKI01: Accuracy of Pulse Oximeters with Profound Hypoxia	05/13/2024 - 05/22/2024
Bickler, Philip	Phase Margin, Inc.	PHAS01: Accuracy of Pulse Oximeters with Profound Hypoxia	05/13/2024 - 11/12/2024
Bickler, Philip	Respiree	RESP02: Accuracy of Pulse Oximeters with Profound Hypoxia	05/22/2024 - 12/22/2024



Principal Investigator	Agency	Title	Project Period
Bickler, Philip	Movano Inc.	MOVA01: Accuracy of Pulse Oximeters with Profound Hypoxia	10/31/2023 - 04/01/2025
Bickler, Philip	BioIntellisense, Inc.	BIOI02: Accuracy of Pulse Oximeters with Profound Hypoxia	10/17/2023 - 04/16/2024
Bickler, Philip	Somno Health Incorporated	SMNOH01: Accuracy of Pulse Oximeters with Profound Hypoxia	05/02/2024 - 01/01/2025
Bickler, Philip	Biosency	BIOSE01: Accuracy of Pulse Oximeters with Profound Hypoxia	07/30/2024 - 01/29/2025
Bickler, Philip	LifeLens	LIFEL01: Accuracy of Pulse Oximeters with Profound Hypoxia	08/27/2024 - 02/26/2025
Bickler, Philip	Neopenda	NEOP02: Accuracy of Pulse Oximeters with Profound Hypoxia	12/10/2024 - 06/09/2025
Bishara, Andrew	The Doctors Company Foundation	An AI-Driven Approach to Reduce Chronic Post-Surgical Pain and Opioid Use	10/01/2024 - 09/30/2026



Principal Investigator	Agency	Title	Project Period
Bishara, Andrew	NIH/NIGMS	Real-time Prediction of Adverse Outcomes After Surgery	08/01/2023 - 07/31/2028
Bokoch, Michael	La Jolla Pharmaceutical Company	Angiotensin II in Liver Transplantation (AngLT-1): a pilot randomized controlled trial	01/18/2022 - 01/17/2028
Buren, Marc	UCSF Academic Senate	A dose finding study to investigate the use of a postoperative infusion of lidocaine for pain control and delirium reduction	07/01/2023 - 06/30/2024
Buren, Marc	UCSF Anesthesia Dept	The Lidocaine Infusion for Management of Postoperative Pain and Delirium (LIMPP) Trial	11/01/2021 - 10/31/2024
Buren, Marc	UCSF Anesthesia Dept	Anesthesia Dept Award	07/01/2024 - 06/30/2025
Chen, Catherine	UCSF Anesthesia Dept	Feasibility pilot study assessing oral versus intravenous sedation alternatives to monitored anesthesia care for cataract surgery	07/01/2023 - 06/30/2025

Principal Investigator	Agency	Title	Project Period
Chen, Catherine	NIH/NIA	Frailty and Monitored Anesthesia Care for Cataract Surgery in Older Adults	05/01/2021 - 04/30/2026
Chen, Lee-lynn	University of Michigan	THRIVE: Trajectories of Recovery after Intravenous Propofol Vs Inhaled Volatile Anesthesia	07/01/2023 - 06/30/2024
Chinn, Gregory	UCSF Academic Senate	Sex Differences in Developmental Cannabidiol Neurotoxicity	07/01/2023 - 12/31/2024
Chinn, Gregory	UCSF Anesthesia Dept	Anesthesia Department Award	07/01/2023 - 06/30/2025
Cobert, Julien	UCSF Hellman Fellows Fund	Quantifying Provider Opinion in the ICU and its Role in Prognosis and Provider Uncertainty and Distress	08/09/2021 - 08/31/2024
Cobert, Julien	UCSF Initiative for Digital Transformation in Computational Biology and Health	Computational Innovator Faculty Research Award	11/01/2021 - 10/31/2024

Principal Investigator	Agency	Title	Project Period
Ehie, Odinakachukwu	Foundation for Anesthesia Education and Research	Development and Evaluation of a Longitudinal Diversity Curriculum for Trainees: Applied Behaviors to Confront Unconscious Bias and Microaggression and Facilitate Allyship	07/01/2022 - 06/30/2024
Ehie, Odinakachukwu	UCSF	Measuring Inclusivity in Clinical Skills Learning Environment	07/01/2024 - 06/30/2025
Gandhi, Seema	City and County of San Francisco	Zero Waste	07/01/2021 - 06/30/2024
Gandhi, Seema	Commonwealth Fund	Measuring and Mitigating the Carbon Impacts of Health Care Goods and Services	02/01/2023 - 01/31/2025
Gandhi, Seema	Academy/Medical Educators - UCSF	Development of a Digital Educational Toolkit on Healthcare Sustainability	07/01/2024 - 06/30/2025
Gropper, Michael	Foundation for Anesthesia Education and Research	FAER Resident Travel Grant	10/17/2024 - 11/01/2024



Principal Investigator	Agency	Title	Project Period
Gropper, Michael	Foundation for Anesthesia Education and Research	2024 Medical Student Anesthesia Research Fellowship	01/01/2024 - 12/31/2024
Guan, Zhonghui	NIH/NINDS	Mechanism of Microglia Proliferation	06/01/2021 - 05/31/2026
Hellman, Judith	Texas Technical University	Goodnight mouse: sleep and sepsis	04/04/2022 - 03/31/2025
Hellman, Judith	NIH/NCCIH	Neuro-Immune Mechanisms of Minor Cannabinoids in Inflammatory and Neuropathic Pain	09/15/2019 - 06/30/2025
Hellman, Judith	NIH/NIAID	TRPV1-dependent neuro-immune modulation and regulation of endogenous acyl-dopamines in sepsis and acute inflammation	06/03/2022 - 05/31/2027
Hellman, Judith	NIH/NIGMS	Comprehensive Anesthesia Research Training	07/01/2022 - 06/30/2027



Principal Investigator	Agency	Title	Project Period
Inglis-Arkell, Christina	Mount Zion Health Fund	Educational Travel Block Grant	10/15/2021 - 06/30/2024
Inglis-Arkell, Christina	Mount Zion Health Fund	Mount Zion Health Fund Anesthesia Block Grant	07/01/2024 - 06/30/2025
Juang, Jeremy	American Society of Anesthesiologists	Advancing Equity and Inclusion in Labor and Delivery: A Comprehensive Analysis of the MPOG Database	08/11/2023 - 08/11/2024
Juang, Jeremy	UCSF Anesthesia Dept	Imaging based screening tool for predicting difficult airway	07/01/2023 - 06/30/2025
Kathiriya, Irfan	UCSF Anesthesia Dept	Anesthesia Department Research Award	07/01/2018 - 06/30/2024
Kathiriya, Irfan	UCSF Hellman Fellows Fund	Developmental Origins of Congenital Heart Disease	07/01/2017 - 06/30/2024
Kathiriya, Irfan	J. David Gladstone Institutes	Gene Regulatory Networks for Heart Development	01/01/2021 - 12/31/2024
Kathiriya, Irfan	Saving Tiny Hearts Society	Mechanisms for Ventricular Septation: Implications for Congenital Heart Disease	06/04/2023 - 05/31/2025



Principal Investigator	Agency	Title	Project Period
Kathiriya, Irfan	J. David Gladstone Institutes	Genetic Determinants of 4D Genome Folding in Human Cardiac Development	09/21/2020 - 08/31/2025
Kathiriya, Irfan	NIH/NHLBI	Patterning Mechanisms for Ventricular Septation and Congenital Heart Disease	09/19/2024 - 08/31/2025
Khan, Irum	Mount Zion Health Fund	Describing the Practice of Supraglottic Airway Device Use and Selection in the United States: An MPOG Study	07/01/2024 - 06/30/2025
Khan, Raina	UCSF Anesthesia Dept	An Exploration of “Near Miss” Events in Non-Operating Room Anesthesia (NORA Locations	01/01/2023 - 12/31/2024
Kim, Helen	American Heart Association	Predictors of Growth, Recurrence, and High-Risk Features in Pediatric Brain Arteriovenous Malformation	01/01/2021 - 12/31/2024



Principal Investigator	Agency	Title	Project Period
Kim, Helen	NIH/NINDS	Brain Vascular Malformation Consortium: Predictor's of Clinical Course	08/15/2019 - 06/30/2024
Kurien, Philip	UCSF	High Throughput Perioperative Optimization for Obstructive Sleep Apnea	08/01/2021 - 06/30/2024
Lee, Chanhung	Merck & Co Inc	A Double-Blind, Randomized, Crossover Design Study to Compare the Rocuronium Reversal by Sugammadex to Succinylcholine for Electroconvulsive Therapy (ECT)	07/01/2017 - 12/31/2024
Legrand, Matthieu	UCSF	Gliflozins use and Incidence of Perioperative Euglycemic Ketoacidosis	03/01/2022 - 06/30/2024
Legrand, Matthieu	UCSF Anesthesia Dept	Anesthesia Department Research Award	07/01/2023 - 06/30/2024

Principal Investigator	Agency	Title	Project Period
Legrand, Matthieu	Spectral Medical Inc.	A Prospective, Multicenter, Randomized, Open-Label Study to Evaluate the Efficacy and Safety of PMX Cartridge in Addition to Standard Medical Care for Patients with Endotoxemic Septic Shock: TIGRIS TRIAL	09/29/2022 - 04/01/2025
Legrand, Matthieu	NIH	Identification of sub-phenotypes of severely ill burn patients and risk for secondary sepsis: SEPSISBURN	09/15/2023 - 07/31/2027
Legrand, Matthieu	Novartis Pharmaceuticals Corporation	A multicenter, randomized, double-blind, placebocontrolled, four-arm, parallel-group, dose-finding phase 2b study to investigate the safety and efficacy of TIN816 via a single intravenous infusion in the treatment of participants with sepsis	01/01/2024 - 01/01/2029

Principal Investigator	Agency	Title	Project Period
Legrand, Matthieu	Alexion Pharmaceuticals, Inc.	ARTEMIS: RAvulizumab to PRotect PaTients with Chronic Kidney DisEase (CKD) froM Cardiac Surgery Associated Acute Kidney Injury (CSA-AKI) and Subsequent Major Adverse Kidney Events (MAKE): A Phase 3, Randomized, Double-blind, Placebo-controlled, Multicenter Study	02/06/2024 - 02/04/2029
Legrand, Matthieu	NIH/NIDDK	The choice of vasopressor to prevent postoperative acute kidney injury after major non-cardiac surgery: a multicenter pragmatic cluster cross-over randomized trial (the VEGA-2 trial)	09/01/2024 - 08/31/2029
Legrand, Matthieu	Renibus Therapeutics, Inc.	24-41002: A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study	12/11/2024 - 12/11/2029
Leung, Jacqueline	Masimo Corporation	Predictors of sepsis in hospitalized patients	10/1/2019 - 09/03/2029

Principal Investigator	Agency	Title	Project Period
Lilaonitkul, Maytinee	Academy/Medical Educators - UCSF	A relational approach to simulation training to improve team dynamics and teach collaborative competencies on the labor and delivery unit - a pilot study	07/01/2023 - 06/30/2024
Lilaonitkul, Maytinee	World Health Organization (WHO)	Clinical Services and Systems	04/05/2024 - 09/04/2024
Lipnick, Michael	Beth Israel Deaconess Medical Center	BREATHE: Building Respiratory support in East Africa Through High flow versus low flow oxygen Evaluation	01/15/2022 - 01/14/2024
Lipnick, Michael	Public Health Institute	Sustaining Technical and Analytic Resources (STAR)	05/18/2020 - 03/24/2024
Lipnick, Michael	Medical Anesthesia Global Health	Global Health Endowment Fund	07/01/2019 - 06/30/2024
Lipnick, Michael	PATH	The Open Oximetry Project	04/01/2023 - 06/30/2024
Lipnick, Michael	UCSF Academic Senate	Chancellor's Fund: Faculty Enrichment/Needs	06/01/2020 - 06/30/2024
Lipnick, Michael	UCSF Hellman Fellows Fund	Global Health Equity Program	07/01/2019 - 06/30/2024



Principal Investigator	Agency	Title	Project Period
Lipnick, Michael	Gordon and Betty Moore Foundation	The Open Oximetry Project	08/01/2022 - 07/31/2024
Lipnick, Michael	Robert Wood Johnson Foundation	Supporting the Open Oximetry Project to Improve accuracy in Pulse Oximetry and Advance Health and Healthcare Equity	11/15/2022 - 11/14/2024
Liu, Bin	University of Virginia	Novel radioimmunoconjugates for targeted alpha-particle therapy of metastatic prostatic cancer	06/01/2018 - 05/31/2024
Liu, Bin	UCSF CATALYST	Therapeutic Development of a Novel Wnt Agonist Antibody that is Not a Ligand Surrogate	03/01/2021 - 06/30/2024
Liu, Bin	UCSF Helen Diller Family Comprehensive Cancer Center	Synthetic Receptor - Engineered T Cells for Prostate Cancer Therapy	07/01/2021 - 06/30/2024



Principal Investigator	Agency	Title	Project Period
Liu, Bin	DOD US Army Med. Res.	Bispecific antibody-drug conjugates against emerging targets in metastatic lethal prostate cancer	04/15/2024 - 04/14/2027
Liu, Bin	NIH/NCI	Combination antigen sensing engineered T cell for precise recognition and enhanced elimination of solid tumors	04/04/2023 - 03/31/2028
Liu, Bin	NIH/NCI	Develop novel bispecific antibody-drug conjugates against metastatic lethal prostate cancer across subtype	04/01/2024 - 03/31/2029
Liu, Bin	NIH/NCI	Bispecific T cell engager targeting a highly specific tumor cell surface antigen	06/15/2024 - 05/31/2029



Principal Investigator	Agency	Title	Project Period
Marks, James	CA Dept of Public Health	Development of monoclonal antibody-based ultrasensitive assays for diagnosis of infant botulism	07/01/2021 - 06/30/2024
Marks, James	CA Dept of Public Health	Development of monoclonal antibody-based ultrasensitive assays for diagnosis of infant botulism	07/01/2024 - 06/30/2027
Maruyama, Daisuke	UCSF Anesthesia Dept	Anesthesia Department Award	07/01/2023 - 06/30/2024
Maruyama, Daisuke	UCSF Benioff Center for Microbiome Medicine	Dietary Interventions and Microbiome alterations influence Lung Injury responses in Mice	01/01/2023 - 06/30/2024
Maze, Mervyn	NIH/NIA	IL-6 Trans-signaling increases vulnerability to Postoperative Cognitive Decline in Aging and Alzheimers Disease	09/15/2024 - 05/31/2029

Principal Investigator	Agency	Title	Project Period
McKay, Rachel	Neuroptics, Inc.	Development and Commercialization of a Pupillometer to Predict Postoperative Opioid-Induced Respiratory Depression in Children	07/01/2024 - 06/30/2025
Mendez, Nicholas	UCSF Anesthesia Dept	Perioperative risk factors associated with acute kidney injury following liver transplantation: a multi-center observational study	01/01/2024 - 12/31/2024
Palaniappa, Nandini	UCSF Clinical Practice Group at ZSFG	Creating a Dashboard for Quality Improvement Metrics for Perioperative Services	09/01/2023 - 06/30/2024
Pan, Jonathan	Department of Defense	Activating Transcription Factor 3 Is a Biomarker for Spinal Cord Injury with Neuroprotective Function	09/01/2022 - 08/31/2025
Perez, Alexendar	UCSF	StARR Scholar Program	07/01/2023 - 06/30/2024
Perez, Alexendar	Foundation for Anesthesia Education and Research	Role of Transposable Elements in Septic Immune Aging	01/01/2024 - 12/31/2024

Principal Investigator	Agency	Title	Project Period
Pirracchio, Romain	Patient Centered Outcomes Research Institute	Diagnostic tools for quality improvement of machine learning-based clinical decision support systems	03/01/2023 - 11/01/2027
Pirracchio, Romain	Henry M. Jackson Foundation for Adv of Military Medicine	Development of predictive algorithms for patient bleeding or clotting during extracorporeal membrane oxygen (ECMO) support	10/01/2024 - 09/30/2028
Prakash Budde, Arun	NIH/NHLBI	The Gut-Lung Axis: Immunometabolism Linking the Gut Microbiome and Lung Immunity	02/15/2020 - 01/31/2025
Prakash Budde, Arun	UCSF Anesthesia Dept	Anesthesia Department Research Award (MYA)	08/01/2020 - 07/31/2025
Rahman, Amreen	American Society of Anesthesiologists	Identifying Barriers to Career Advancement and Retention for Women in Critical Care for Medicine	11/01/2023 - 08/01/2024

Principal Investigator	Agency	Title	Project Period
Sall, Jeffrey	Pfizer US Pharmaceuticals	A Phase 3/4 Randomized, Double-blind, Dose-ranging Study of the Safety and Efficacy of Dexmedetomidine (DEX) Used with Propofol (PRO) as Needed for Procedural Sedation of Pediatric Subjects E1 month to <17 Years of Age Undergoing MRI Scans	02/26/2020 - 02/26/2025
Schumacher, Mark	UCSF Anesthesia Dept	Anesthesia Department Research Award	07/01/2022 - 06/30/2024
Schumacher, Mark	UCSF Anesthesia Dept	Anesthesia Dept Award	07/01/2024 - 06/30/2025
Schwartz, Rachael	Children's Hospital of Los Angeles	Research Study	08/14/2023 - 08/14/2024
Schwartz, Rachel	Academy/Medical Educators - UCSF	Exploring the Impact and Value of Early Medical Students' Improvement Projects: An Interview Study of Health System Leaders	07/01/2024 - 06/30/2025
Schwartz, Rachel	NIH/NIGMS	Training to Enhance Researcher Resilience and Adaptability (TERRA)	04/01/2024 - 03/31/2026

Principal Investigator	Agency	Title	Project Period
Sharma, Anshuman	University of Pittsburgh	Perioperative Precision Medicine: Translating Science to Clinical Practice to Improve Safety and Efficacy of Opioids in Neonates, Children and Nursing Mothers	08/03/2022 - 04/30/2026
Shimabukuro, David	Dartmouth College	The BASIC trial: Improving implementation of evidence-based approaches and surveillance to prevent bacterial transmission and infection	06/17/2021 - 05/31/2026
Shirvalkar, Prasad	UCSF Anesthesia Dept	Anesthesia Department Research Award	07/01/2021 - 06/30/2024
Shirvalkar, Prasad	UCSF Weill Institute for Neurosciences	EEG-Guided Spinal Cord Stimulation for Chronic Back and Leg Pain	07/01/2022 - 06/30/2024
Shirvalkar, Prasad	NIH/NINDS	Multisite Adaptive Brain Stimulation for Multidimensional Treatment of Refractory Chronic Pain	09/30/2019 - 07/31/2024

Principal Investigator	Agency	Title	Project Period
Shirvalkar, Prasad	Marcus Program in Precision Medicine Innovation	Precision Medicine for Chronic Pain: Personalized Brain Network Modulation for Chronic Neuropathic Pain Syndromes	04/01/2023 - 03/31/2025
Sinskey, Jina	UCSF Anesthesia Dept	Investigating Team Flow in Healthcare to Enhance Patient Safety and Clinician Well-Being	01/01/2023 - 12/31/2024
Su, Hua	NIH/NINDS	Reduction of Brain AVM Severity through Inhibition of Pathogenic Angiogenesis	02/01/2020 - 01/30/2025
Su, Hua	NIH/NINDS	Uncover the Pathogenesis of Brain Arteriovenous Malformation	02/01/2020 - 01/31/2025
Su, Paul	UCSF Academic Senate	Learning and Development Fund	05/01/2024 - 04/30/2025
Su, Paul	Foundation for Anesthesia Education and Research	The role of sensory neuron regeneration in regulating acute and persistent postsurgical pain	08/01/2024 - 07/30/2026

Principal Investigator	Agency	Title	Project Period
Tang, Angelina	Mount Zion Health Fund	Chronic Pain Education Series	04/01/2023 - 09/30/2024
Wallace, Arthur	ECOM Medical	Impedance Cardiography: Clinical Evaluation of Endotracheal Cardiac Output Monitor (ECOM)	08/01/2016 - 07/31/2024
Wallace, Arthur	Obelab	Clinical Testing of NIRS for Quantitative Assessment of Depression and PTSD	08/01/2016 - 07/31/2024
Wallace, Arthur	Modality.AI and Johnson & Johnson	Modality.AI: Speech and Video Pilot Study to Prescreen for Mild Cognitive Impairment	09/01/2022 - 08/31/2024
Wallace, Arthur	NCIRE-Northern California Institute for Research and Education	Perioperative Outcomes Epidemiologic Consortium	03/01/2012 - 03/01/2025
Wallace, Arthur	Atapir	AVD-M: Audio Visual Detection of Respiration (AVD-R) Study	01/01/2013 - 12/31/2025
Wallace, Arthur	VA IT	VA_AnesQIP	10/01/2023 - 09/30/2026



Principal Investigator	Agency	Title	Project Period
Weinsheimer, Shantel	Be Brave for Life	Detection of Somatic Mutations in Cerebral Cavernous Malformation Patients Using Non-Invasive Cell-Free DNA Screening	01/01/2024 - 12/31/2024
Weinsheimer, Shantel	American Heart Association	Epigenetic Signatures and Association with Hemorrhage and High Risk Features in Brain Arteriovenous Malformation	04/01/2024 - 03/31/2027
Whitlock, Elizabeth	Center for Health Equity in Surgery and Anesthesia	SPEAC: Sedation and Proficiency in English Association Cohort Study	09/01/2022 - 08/31/2024
Whitlock, Elizabeth	NIH/NIA	Predicting long-term cognitive outcomes and Alzheimer's disease and related dementias after major noncardiac surgery for older adults	09/01/2022 - 05/30/2027
Whitlock, Elizabeth	Stanford University	Usage of Novel Linked Databases to Improve the Perioperative Management of Patients With Alzheimers Disease and Related Dementias	07/01/2024 - 06/30/2029



Principal Investigator	Agency	Title	Project Period
Williamson, Danielle	UCSF Anesthesia Dept	Anesthesia Dept Award	07/01/2024 - 06/30/2025
Yu, Xiaobing	NIH/NIAMS	ACVR1 sensory neuron-specific signaling in neuropathic pain and injury-induced heterotopic ossification	09/23/2023 - 06/30/2028
Zhang, Jingying	Orthopaedic Research and Education Foundation	The Use of Venlafaxine in Reducing Surgical Pain in Total Knee Arthroplasty	11/01/2020 - 03/31/2025
Zhou, Wei	NIH/NIGMS	Role of Orexin/Hypocretin Circuit in Anesthesia and Analgesia	07/01/2020 - 06/30/2024
Zhou, Wei	UCSF Anesthesia Dept	Anesthesia Department Research Award	07/01/2016 - 06/30/2025

Staff Highlights

Highlights from our staff groups



Administrative Support and Operations team

- Scaled up the “shared workspace” ticket system to quickly address supply, facilities, and workspace issues identified by Anesthesia staff.
- Collaborated with the Communications team on the installation of a new screen in the Parnassus Heights Town Center, redefining how the space is used and creating new channels for team news and community gathering.
- Scaled and standardized the administrative support service model to ensure senior faculty members receive the same quality support experience.
- Ideated and implemented an employee flex desk request system.
- Provided onsite administrative support that enabled the successful delivery of 8+ cross-site activations, in partnership with Events and Culture & Belonging.
- Researched and implemented standardized data collection tools for event management adopted by all department planners.
- Held 17 events across 5 campus sites (and multiple off campus venues) during the academic year that reached an audience of 750+ Anesthesia and UCSF staff, faculty, and learners.
- Prepared physical space onboarding for 20+ faculty members new to the department.
- Planned/coordinated 10+ faculty and staff space moves.
- Upgraded access and security for 8+ spaces across Anesthesia sites (project timelines stacked sequentially would be more than 18 months!)
- In response to a research leadership needs assessment, submitted 4+ in-depth design proposals for modification and modernization of laboratory facilities.

Staff Highlights (cont'd)

Communications team

- Partnered with Anesthesia IT and an outside design team, Y3TI, to build a new department website, launched in July of 2024. As of November of 2024, we had:
 - more than 538,650 page views on the site;
 - more than 92/100 accessibility score.
- Developed and produced a welcome video for new department members.
- Created a new department brand.
- Worked with department stakeholders to create new department mission and vision statements.
- Collaborated with the Events team to hold the inaugural State of the Department address and inaugural George Gregroy Annual Lecture.
- Worked with the Admin Support and Operations team to implement digital signage in the department's Town Hall location.
- Implemented a new All Staff meeting format.
- Produced the 2023 department annual report and annual culture and belonging report, using a new format and new department branding.
- Produced the department's monthly Anesthesia Insider newsletter, which in 2024 had a:
 - 60% open rate, 24% higher than industry average;
 - 10% click rate, 8% higher than the industry average.
- Produced more than 150 department email communications, with a total open rate 14% higher than industry average.
- Managed the department's social media accounts, with a:
 - 9% increase in Twitter/X followers;
 - 84% increase in LinkedIn followers;
 - 67% increase in Instagram followers.

Education team

- “Work Together Wednesdays”: Initiated a monthly collaboration initiative where the education team rotates between clinical sites to work together, fostering teamwork and improving communication among members across locations. Partnered with other GME Groups at UCSF and other Anesthesia teams to have them join.
- Introduced additional Smartsheet automation to optimize workflows for tasks like student advising, reimbursements, and appointment scheduling, freeing up time for education coordinators to focus on strategic priorities.
- Voalte-Based Trainee Support Service: Implemented a new service using the Voalte phone system to enhance communication and support for trainees. The system is staffed by the education team from 6 a.m. to 6 p.m. daily, providing a centralized resource for addressing trainee needs.

Staff Highlights (cont'd)

Finance team

- Revamped the Finance webpage(s).
- Began contributing a Finance Tip of the Month at monthly staff meetings.
- Implemented Finance office hours.
- Began groundwork for the Finance restructuring (ongoing project).
- Created a collaboration/knowledge share with the Research Team during monthly Finance/ Research meetings.
- Negotiated additional \$2.5 million in affiliation agreement revenue at ZSFG.
- Successfully transitioned Oakland per diem payments from monthly to weekly payment schedule. Developed a consistent process ensuring accuracy and timeliness of payment submissions.

Human Resources team

- Successfully hired and on-boarded 32 staff, 28 faculty, 7 staff physicians, and 13 researchers, for a total of 80 new department members in 2024.
- Welcomed 2 new outstanding Human Resources team members:
 - Lily Chao, Recruitment Coordinator;
 - Polly Tran, Staff HR Liaison.
- Developed an automated system to notify supervisors and send probationary performance evaluations.



Caption: Staff enjoying themselves at our Administrative Professionals Day event.

Staff Highlights (cont'd)

IT team (AIT)

- Multicenter Perioperative Outcomes Group (MPOG): Continued daily support of nationwide anesthesia consortium in furtherance of quality improvement and research projects. Did you know that we administer anesthesia for about 5,000 cases a month (excluding BCH Oakland)?
- Transplant Outcomes Anesthesia Database (TOAD): Continued systems administration support of specialized kidney/liver database for a host of research projects by Anesthesia PIs. *Did you know that we do a liver or kidney transplant every day of the year?*
- Clarity Reporting: Produced a record number of extracts in support of quality improvement and research projects. Automated recurring reports for weekly and monthly distributions to key stakeholders. *Did you know that the department turn-around time for delivering reports from Clarity is 2-3x faster than central IT?*
- Respiratory Care Services at ZSFG: Completed a major overhaul of the RCS shift staffing database, including hosting on the server, automating monthly extraction for the Tableau dashboard, and adjusting RVUs to represent productivity more accurately. *Did you know that RCS tracks all the work they do to ensure appropriate staffing levels and funding support?*
Anesthesia Techs at ZSFG: Developed a dynamic, web-based dashboard to visualize daily staffing levels and productivity for optimization and funding. *Did you know that they provide 24/7 support to our anesthesiologists?*
- Clinical Operations: Continued support and development of an intricate suite of scheduling and compensation databases. Expanded programming to include new sites, such as Bayfront and Peninsula Outpatient Surgery Center. Broadened integrations with QGenda, Clarity, and the APeX Snapboard. *Did you know that the basis for these databases was created 20 years ago, and that Anesthesia IT has been supporting them?*
- Onboarding: Partnered with Anesthesia HR to streamline onboarding processes and participated in more new hire orientations, with a growing set of applications and accounts to configure. *Did you know that we hired 80 people in 2024?*
- Laptop Deployments: Led an initiative to provide department-paid laptops for eligible faculty and staff physicians, bringing them in line with the staff population. Of the estimated 200 deployments, 75% were completed in 2024, and phase one of the project is on target for 2025. *Did you know that Anesthesia IT manages around 500 UCSF-imaged machines?*
- Event Support: Provided comprehensive, personalized Zoom and A/V support for recurring and special department events. *Did you know that we had over 100 people present at grand rounds, M&M, research lectures, faculty meetings, and staff meetings in 2024?*

Staff Highlights (cont'd)

Research teams

Research Administration

- Research-related transactions processed:
 - 3,754 BearBuy requisitions;
 - 546 Human Subject payments;
 - 610 MyExpense reimbursements.
- Implemented recurring meetings across internal units and external depts to improve workflow to provide better service to faculty.
- Collaborated regularly with:
 - Anesthesia Finance team;
 - Anesthesia Clinical Research Core;
 - Supply Chain Management and Contracts and Grants teams.
- Staffing:
 - Successfully reclassified and trained two team members to Admin Officer II.
- Engagement:
 - Positive Gallup survey results;
 - Successfully planned and held two in-person team morale activities per Gallup action plan;
 - Received several recognitions from faculty.



Staff Highlights (cont'd)

Clinical Research Core

- 21 funded projects supported by Core CRCs and statisticians.
- The core grew from three to five CRCs.
- The core grew from one to two statisticians.
- The team created:
 - General clinical trial SOPs;
 - Clinical trial related checklists;
 - A handbook for new incoming CRCs;
 - Core policies and requirements;
 - An FDA action plan;
 - A PI expectations and CRC expectations outline.

Research Training and Development

- 12th Annual Anesthesia Research Day (110+ attendees).
- 1st Anesthesia Research Strategic Planning Retreat.
- 27 research lectures:
 - five visiting speakers;
 - four grant writing panels.
- Presented three Research Grand Rounds.
- Hosted three Foundation for Anesthesia Education and Research Summer Medical Student
- Received four T32 trainee appointments.
- Reviewed 25 grant proposals.
- Processed 20 MOUs for faculty research time.
- Produced monthly Anesthesia Research Digest newsletters with a 42% open rate, 5% higher than industry average.



Staff Highlights (cont'd)

Respiratory Care team

Projects Completed

- The department successfully completed two The Joint Commission (TJC) hospital surveys, ensuring compliance and maintaining ambitious standards.
- Developed a staff milestone appreciation program to recognize and celebrate employees' years of service and other achievements.
- Updated the team's website pages to enhance user experience and accessibility.
- Improved productivity tools to better track vital statistical and analytical information and placed them on the Anesthesia server for streamlined maintenance and accessibility.
- Collaborated with multiple colleges and organizations to provide respiratory and high school students with an overview of respiratory care management at ZSFG. Participating institutions include respiratory programs at Skyline College, Ohlone College, and Foothill College, and the FACES program for High School students. In 2024, our staff educated 17 respiratory students and five high school students, all of whom expressed gratitude for the experience.
- To meet the needs/volume of outpatient clinics involving respiratory care, we trained additional staff members to support the outpatient clinic coordinator, thereby reducing burnout.

Innovations, Improvements, and Research Initiatives

- Expanded and updated spinal cord injury (SCI) protocol.
- Implemented numerous Epic flowsheets and order changes to enhance staff documentation efficiency.
- Initiated ventilator associated pneumonia (VAP) countermeasures to maintain and reduce VAP rates at ZSFG, including compliance with circuit changes, oral care, and cuff pressure.
- Developed Epic reporting tools to track Ventilator Associated Pneumonia rates and Spontaneous Awakening Trial data for trending Spontaneous Breathing Trial (SBT) protocol compliance.

Training and Development

- Conducted a series of adult, pediatric, and neonatal skill days, along with a yearly symposium and vendor presentations during Respiratory Care Week.

Revenue Generation

- RCS is a revenue-generating department, with 61,476 charges amounting to \$73,945,655.

Staff Highlights (cont'd)

Milestones Reached

- We conducted the inaugural Hybrid Respiratory Care Conference – H. Barrie Fairley Selected Topics in Intensive Respiratory Care. The event was a resounding success, attracting over 300 participants and setting a new standard for future gatherings.

Awards and Recognition

- Logan Carothers and Jenny Hsieh received SPOT awards for their outstanding contributions to the department and organization. Their exceptional work across multiple departments has been instrumental in driving our success.

Staffing

- On average, staffing levels were maintained above the core of eight per shift for 355 out of 365 days, never dropping below the minimum staffing level of seven.

Productivity

- We met or exceeded productivity targets (80-100%) for 39 out of 52 weeks, with eight of those weeks exceeding 100%.



Staff Highlights (cont'd)

ZSFG Anesthesia Tech team

- **Over 17,300 OR Room Setups and Turnovers:** In 2024, the anesthesia techs expertly managed the setup and turnover volume of 17,300 operating rooms and Anesthesia workstations. This includes preparing anesthesia equipment, ensuring the sterility of instruments, and facilitating smooth transitions between cases. Their meticulous work ensures that each operating room is ready for subsequent procedures promptly, minimizing downtime and optimizing surgical schedules.
- **Over 2,100 Regional Blocks:** By assisting with regional blocks, the anesthesia techs have played a crucial role in pain management and patient comfort. Their support includes setting up necessary equipment and ensuring that anesthesia providers have everything they need for successful block procedures. This contribution helps reduce pain and improve patient outcomes.
- **Over 2,000 Trauma Activations:** The anesthesia techs have been integral during trauma activations, providing critical support in high-pressure situations. Their quick response and readiness to assist with anesthesia equipment and patient preparation are vital in managing these emergencies efficiently. Their involvement ensures that anesthesia providers can deliver timely and effective care in life-threatening scenarios.
- **Anesthesia Tech Staffing and Coverage Improvement:** We significantly improved and sustained core staffing levels for Anesthesia Technicians without increasing any budgeted FTEs and maintained uninterrupted service operations. Our shift coverage ability for absenteeism increased significantly from 30% in FY22 and FY23 to 79% in FY24. This was achieved while managing challenging situations where 40% of the staff were still out on intermittent Leave of Absence. We were able to hire a full roster of qualified Anesthesia Technicians: 2.0 FTE career positions and 2.0 Per Diem positions, and optimized the onboarding process for new hires.
- **Recruiting:** Optimized interview panels for job candidates. Provided development opportunities to the Anesthesia techs by equipping them with recruiting training and skills and opened the interview panel to volunteer Anesthesia techs to participate in a part of the recruiting process.
- **Website Content Creation:** Created updated content for the new Anesthesia website to highlight the Anesthesia Tech Team's presence and contributions, using it also as a recruiting tool.
- **Policy Updates:** Updated 12 administrative and clinical workroom policies and procedures and implemented PolicyStat as a tool for managing policies.
- **TJC Accreditation:** Successfully navigated through the Triennial TJC hospital accreditation survey.
- **Automatization Device Procurement:** Collaborated with several ZSFG departments to acquire an automatization device for TEE transducer reprocessing to enhance patient and staff safety by minimizing the risk of healthcare-associated infections, improve efficiency, and reduce potential damage to the delicate probes, and streamlining workflows with automated systems.

Staff Highlights (cont'd)

- **Workflow Improvements:** Improved clinical and administrative workflows, including night shift assignments and checklists; moved track day shift assignments documentation to fully digital via Qualtrics system; and created a new Vacation Request Workflow. These changes have enhanced efficiency, equity, and transparency in workload distribution, and driving engagement through visible individual contributions.
- **Leadership Transition:** Navigated workroom leadership team transitions within the Clinical Workroom Director and the Director Clinical Staff Services positions.
- **Culture and Belonging:** Created a ZSFG Anesthesia Workroom Leadership office; celebrated Anesthesia Tech Day with recognitions, swag, and catering; participated and presented/contributed valuable content during ZSFG Anesthesia All Staff quarterly meetings; resumed lunch catering for monthly Anesthesia Techs staff meetings.



Staff Highlights (cont'd)

Clinical Operations team

- Onboarded 26 faculty, plus more than 15 per diems and locums
- Compensation implementations
- 12 new shifts
 - 9 compensation changes to existing structures
- Collaborated with AIT on over 80 tickets
- Scheduling ~ 12 new shifts: scheduling, crediting, reporting
- Overtime compensation changes for existing and new shifts ~ 40
- Reporting enhancements, Snapboard Setups
- New Reporting Tools
- Payment deadlines met (clinical data audits, schedule reconciliations, vacation/leave reconciliations, clinical commitment tracking, credit computations audits)
 - Bi-weekly Per Diems (\$1.4M)
 - Staff Physicians Quarterly Overtime (\$470K)
 - Monthly Days Over (\$10M): Faculty and PMC Faculty (one month lag)
 - Quarterly Overtime and Incentives (\$23M): Faculty and PMC Faculty (one month lag)
- Quarterly Physician Time Study: > 85% collection rate
- Started initial set up of POPC (Burlingame) in late 2024 with successful launch at the beginning of 2025. This included setting up shifts in both QGenda & Filemaker, compensation plan, setting up specialty faculty team and lead, working with IT to set up shifts and calendars.
- In partnership with department leadership, compiled regional team competencies in a streamlined, easy-to-read graph to better navigate proctoring protocols and advancement areas.
- Successfully launched Bayfront and the expansion of ICU service. This included setting up shifts in both QGenda and Filemaker, compensation plan, setting up a specialty faculty team and lead, and working with IT to set up shifts and calendars.
- Managed room expansions at MB, OI, and MZ while ensuring there were enough faculty at Parnassus. Worked with CRNAs and residents to make sure number calculations work accordingly.
- Ensured all adult subspecialties were adequately staffed 95% of the time.
- During the creation of the monthly schedule, granted non-clinical days and vacation requests for faculty 95% of the time.
- Expanded the peel-off system to the Parnassus/Moffitt Campus to promote faculty well-being and provide additional schedule predictability.



Our People

Our People

As we look back on 2024, we celebrate all we achieved together. Here are just a few examples of our top news features from the year:

How 'Going Under' is Getting Greener. April 22, 2024

Strengthening Healthcare in Conflict Zones: Dr. Lundy Campbell and the ICRC in Ethiopia. March - June 2024

UCSF Health Reaches Lung Transplant Milestone. July 30, 2024

Bayfront Medical Building Opens: State-of-the-Art Facility Expands Pain Medicine Services and Will Enhance Patient Care. August 28, 2024

Three Medical Practices That Older Patients Should Question. September 16, 2024

The Inaugural George Gregory Annual Lecture Celebrates Dr. Gregory's Remarkable Career. September 23, 2024

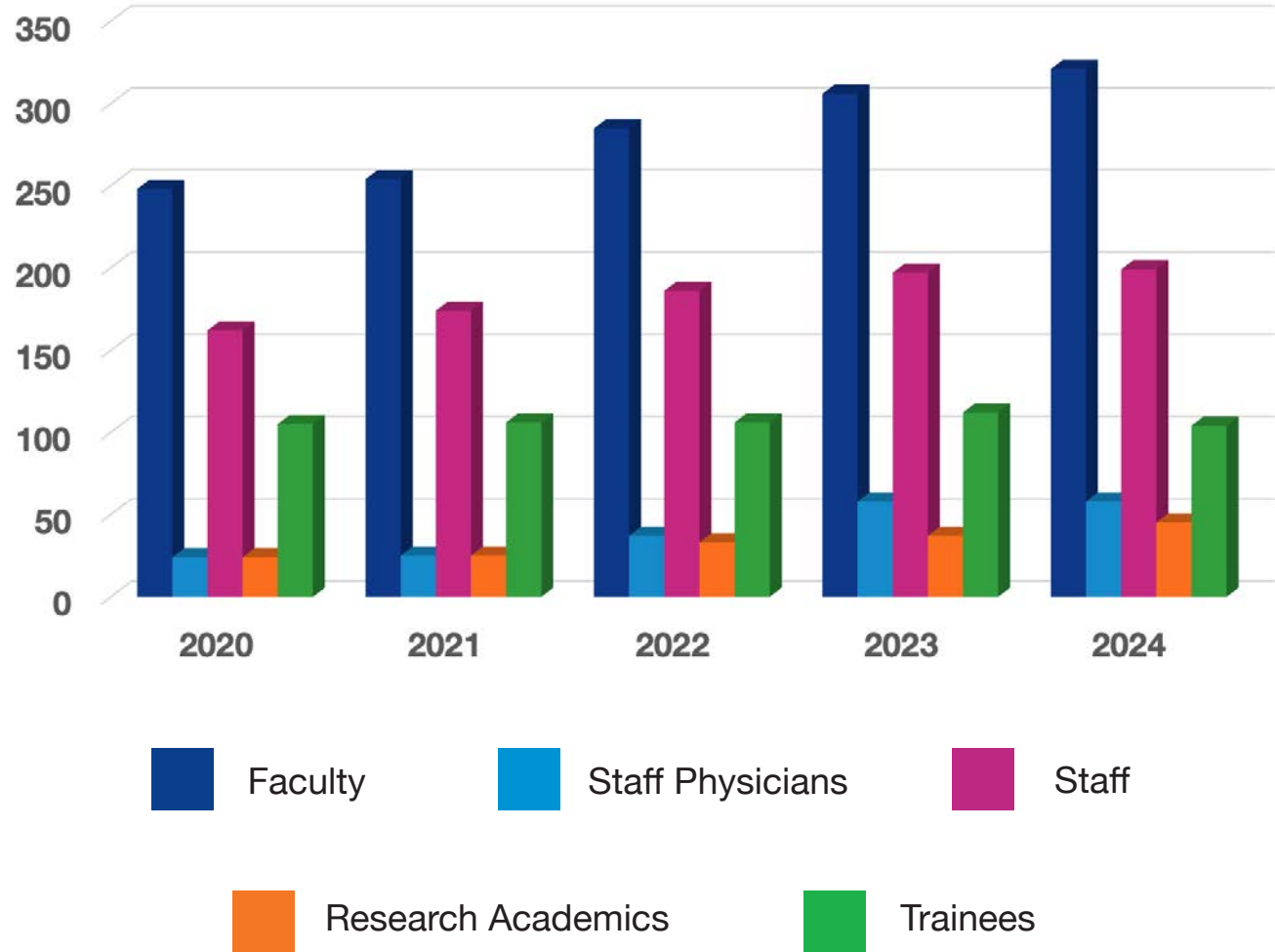
FDA's Promised Guidance on Pulse Oximeters Unlikely to End Decades of Racial Bias. October 7, 2024



Our People

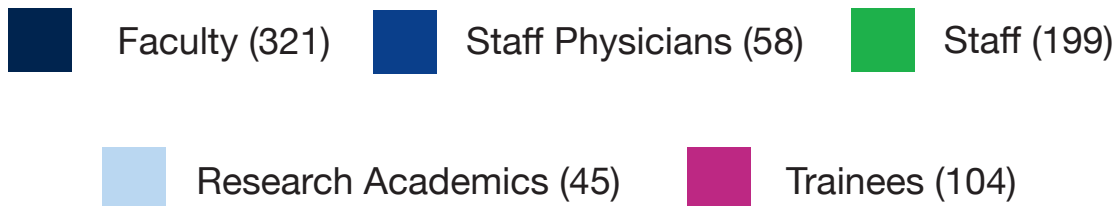
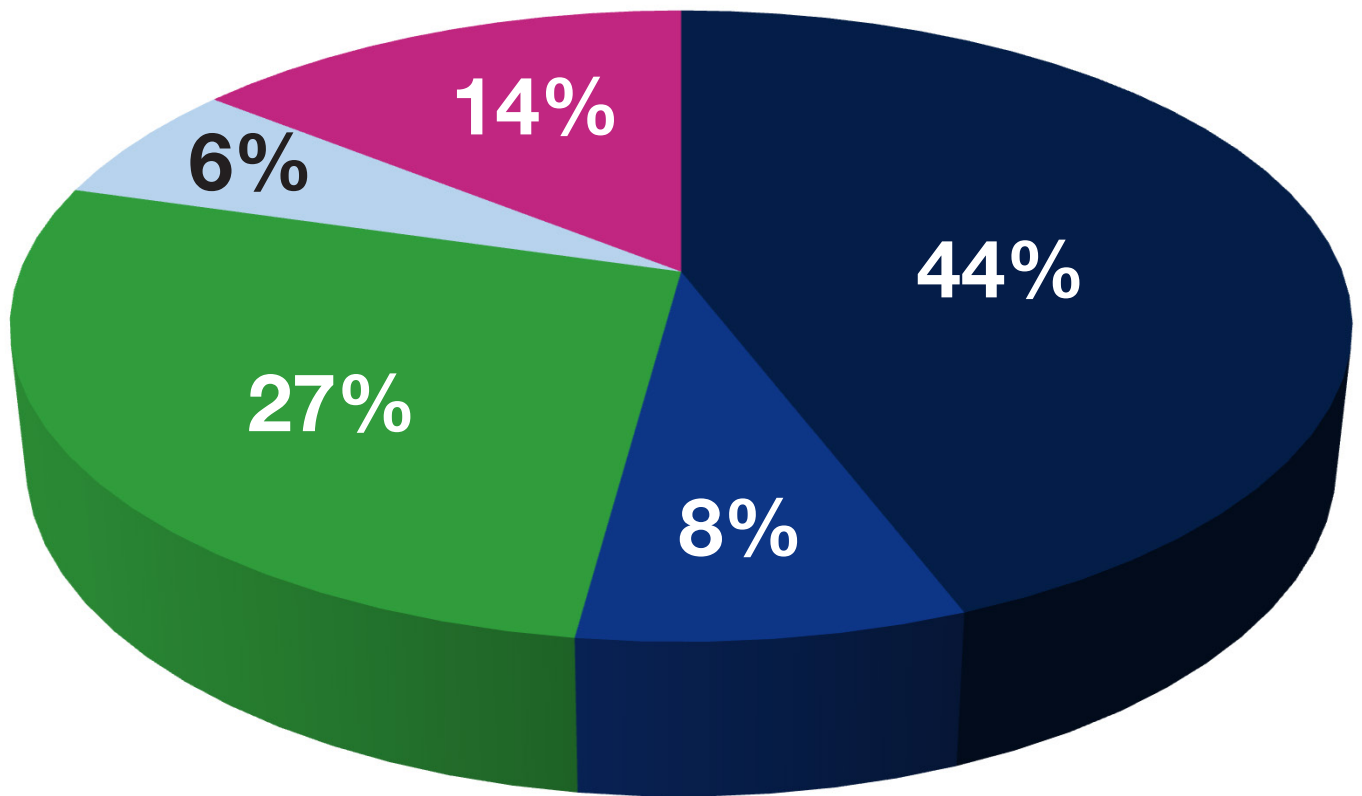
An overview of the people in our department

Department Member Growth
2020 - 2024



Our People

Headcount of Department Members in 2024



Our People

Faculty

2024 New Employees



John (Ben) Arevalo
MD, MBA
Assistant Clinical
Professor



Ryan Barrera, MD
Assistant Clinical
Professor



Pradhan Bhat, MD
Assistant Clinical
Professor



Marc Bozych, DO
Assistant Clinical
Professor



Alexander Butwick, MBBS, MS
Professor of Clinical
Anesthesia



Lizzie Cole, MBBS
Visiting Clinical
Instructor



Grace Donzelli, MD
Assistant Clinical
Professor



Maryte Gyls MD, MBA
Assistant Clinical
Professor



MacGregor Hodgson MD
Assistant Clinical
Professor



Abigail Howard, MD
Assistant Clinical
Professor



Matheus Janiques MD
Visiting Clinical Instructor



Kunal Joshi, MD, MBBS
Visiting Assistant Clinical
Professor



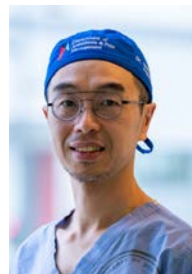
Thien Le MD
Assistant Clinical
Professor



Orestes Mavrothalassitis, MD
Assistant Professor of
Clinical Anesthesia



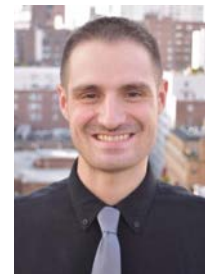
Laura McClung, MD
Assistant Clinical
Professor



William Ng, MBBS, MS
Associate Clinical
Professor



Michael Paluy, MD
Assistant Clinical Pro-
fessor



Alexendar Perez MD, PhD
Assistant Professor in
Residence



Gina Sun MD
Assistant Clinical
Professor



Bonnie Yen, MD, PhD
Assistant Clinical
Professor



Sebastian Zeiner, MD, PhD, MBA
Assistant Clinical
Professor



Chun Zhao, MD
Assistant Clinical
Professor

Our People

Staff Physicians

2024 New Employees



Ray Chang, MD
Per Diem MSP Staff
Physician



Gerard Dang, MD
Per Diem MSP Staff
Physician



Sarah Greene, MD
Per Diem MSP Staff
Physician



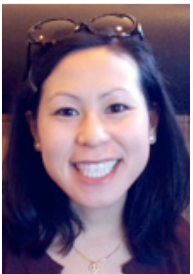
Daniel Leung
Per Diem MSP Staff
Physician



Wilson Ly, MD
Per Diem MSP Staff
Physician



Andrew Vargas, MD
Per Diem MSP Staff
Physician



Wendy Woo, MD
Per Diem MSP Staff
Physician

Visiting Faculty



**Preethy Mathew, MD,
MBBS**
Visiting Professor

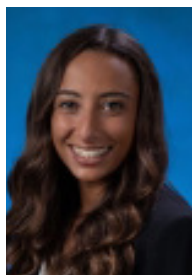
Our People

Residents - CA1s

2024 New Trainees



Hodan Abdii, MD
CA-1 Resident



Marihan Attiah, MD, MBA
CA-1 Resident



Isabella Auchus, MD
CA-1 Resident



Jeremy Auerbach MD
CA-1 Resident



Alvin Chan, MD
CA-1 Resident



Zer Keen Chia, MD
CA-1 Resident



Kaylin Cho, MD
CA-1 Resident



Addie Clark, MD
CA-1 Resident



Xavier Cortez, MD
CA-1 Resident



Elena Haight, MD
CA-1 Resident



Will Hancock-Cerutti, MD, PhD, MS
CA-1 Resident



Arjun Johal, MD
CA-1 Resident



Krystal Karununga, MD
CA-1 Resident



Annmarie Mede, MD
CA-1 Resident



Shyon Nasrolahi, MD
CA-1 Resident



Laura Nerb, MD
CA-1 Resident



Casey Norlin, MD
CA-1 Resident



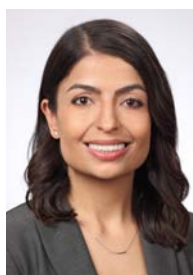
Haden Oliphant, MD
CA-1 Resident



Josh Porter, MD
CA-1 Resident



Kamron Sarhadi, MD
CA-1 Resident



Angela Sultan, MD
CA-1 Resident



Sean Torres, MD
CA-1 Resident



Daniel Tshala, MD
CA-1 Resident



Krishna Vali, MD
CA-1 Resident

Our People

Residents - CA1s (cont'd)

2024 New Trainees

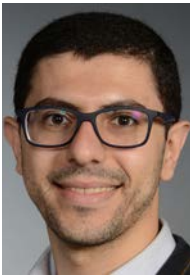


Emma Wu, MD
CA-1 Resident



Charlotte Young MD
CA-1 Resident

Residents - Interns



Abood Abubashem, MD, PhD
Intern



Kemi Alabi, MD
Intern



Zachary Brown, MD
Intern



Austin Burrows, MD
Intern



Caroline Granath, MD
Intern



Harper Kim, MD, PhD
Intern



Kun Leng, MD, PhD
Intern



Hans Munzing, MD
Intern



Luis Vasquez, MD, MSc
Intern

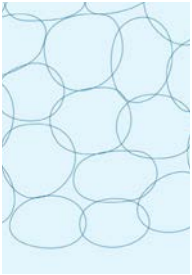


Paul Wei, MD, PhD
Intern

Our People

Staff

2024 New Employees



Olivia Bratko
Event Specialist



Lily Chao
HR Recruitment Coordinator



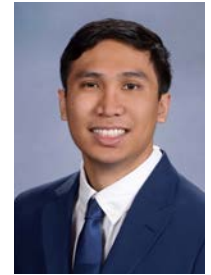
Tania Davila
Clinical Research Coordinator



Rishi Desai
Asst Clinical Research Coord



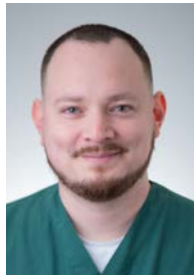
Lauren Dickey
Clinical Research Core Supvr



Ronan Kent Esperanza
Asst Clinical Research Coord



Awani Gadre
Student Intern



Anthony Galvez
Anesthesia Technician



Lorraine Hart
ZSFG Site Supervisor



Ihuoma Kanu
Asst Clinical Research Coord



Aqsa Khan
Clinical Research Coordinator



Hannah Lee
Jr Specialist



Elisia Leung
Clinical Research Coordinator



Rachel Lin
Asst Clinical Research Coord



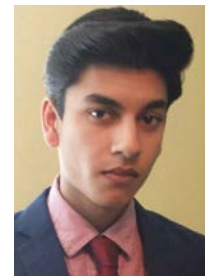
Mike Mullen
Digital Communications Specialist



Hanh Thi Nguyen
Statistician RSCH Data Analyst



Serena Padda
Asst Clinical Research Coord



Niel Panchal
Asst Clinical Research Coord



Ishna Pandey
Clinical Research Coordinator



Vincenzo Pierotti
Proj Specialist - Facilities



Matilde Rodriguez Canal
Student Assistant



Polly Tran
Staff HR Liaison



Courtney Vu
Clinical Research Coordinator



Kaitlyn Wang
Clinical Research Coordinator

Our People

Staff (cont'd)

2024 New Employees



Darren Wei
Staff Research
Associate



Ying-Jung Wu
Clinical Research
Coordinator



Jessica Zhen Yu
Staff Research
Associate

Respiratory Therapists



Alejandro Muñoz, RRT
Registered Respiratory
Therapist

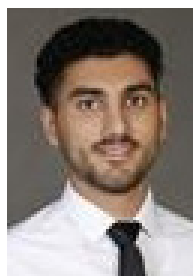
Postdoctoral Scholars



Tomohiro Chaki, MD, PhD
Postdoctoral Scholar



Thien Doan, MD
Postdoctoral Scholar



Nima Sadrian, MD
Postdoctoral Scholar



Justine Tang, MD
Postdoctoral Scholar



Hui Yuan, PhD
Postdoctoral Scholar

Visiting Scholars



Guowen Hu, MD, PhD
Visiting Scholar



Hailing Liang
Visiting Scholar



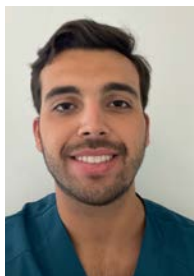
Joee Zucker
Visiting Graduate

Our People

Research Specialists



Amaaya Arora
Junior Specialist



Ramiro Colon Viella
Junior Specialist



Darian Mohsenin
Junior Specialist



Yasaman Razavi, PhD
Junior Specialist

CRNAs



Anna Digilov, CRNA
Senior Nurse
Anesthetist



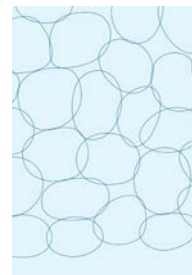
Erik Eng, CRNA
Senior Nurse
Anesthetist



Kent Flake, CRNA
Senior Nurse
Anesthetist



Molly Hicks, CRNA
Senior Nurse
Anesthetist



Andrew Lacek, CRNA
Senior Nurse
Anesthetist



Hanh Le, CRNA
Senior Nurse
Anesthetist



Yulia Pavlenko, CRNA
Senior Nurse
Anesthetist



Katherine Polihrom, CRNA
Nurse Anesthetist



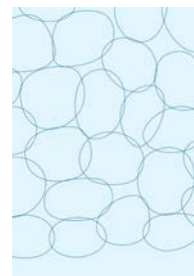
Rachel Racker, CRNA
Senior Nurse
Anesthetist



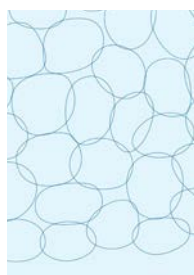
Murtaza Rizvi, CRNA



Sean Sampson, CRNA
Senior Nurse
Anesthetist



Christopher Shors, CRNA
Senior Nurse
Anesthetist



Fiona Wu, CRNA
Nurse Anesthetist

2024 New Employees

Alumni Stories

Catherine L. Chen, MD, MPH

I am currently an associate professor in the UCSF Department of Anesthesia and Perioperative Care and Core Faculty at the Philip R. Lee Institute for Health Policy Studies at UCSF. As an anesthesiologist and health services researcher, my primary research goal is to optimize the quality and value of care patients receive during the perioperative period.



My path to medicine and anesthesiology was non-traditional, but these experiences have contributed to my current research interests and professional success. I majored in English at Rice University and worked in investment banking before applying to medical school. After completing my MD and MPH at Johns Hopkins, I was thrilled to match as one of the first two residents to participate in the newly established UCSF Anesthesia Resident Research Scholars pathway (now known as the Anesthesiology Innovative Research Residency, or AIRR).

As a medical student, I knew that I wanted to pursue a career as a physician-scientist, so I was immediately drawn to UCSF because of the outstanding clinical training as well as the dedicated research time built into the Research Scholars program. I still remember the extended interview day for the research track applicants and being impressed with everyone I met, including the residents and both research and non-research faculty. Coming into residency as a mother to a young toddler, I was also excited to be moving much closer to my husband and my extended families in the Bay Area.

My success as a researcher is especially attributable to our department's long-term commitment to and understanding of how to nurture physician-scientist careers with protected time, strong mentorship, and research funding. I obtained my first research grant from the Foundation for Anesthesia Education and Research (FAER) during my CA-2 year, followed by a FAER Mentored Research Training Grant during my first year on faculty and most recently an NIH K23 career development award from the National Institute on Aging. Over the last 13 years, I have steadily built my research program from a single resident research project into an entire research portfolio. I primarily use multimethod approaches including retrospective observational studies using administrative claims, electronic health records, and registry data as well as qualitative research methods and randomized controlled trials to better understand the current and future landscape of anesthesia care for cataract surgery. Along the way, I have also studied perioperative opioid stewardship, sustainable anesthesia practices, and career advancement challenges for women and minorities in academic medicine. My work has been published in high-impact journals including the *New England Journal of Medicine*, *JAMA Internal Medicine*, *Ophthalmology*, *JAMA Ophthalmology*, and *Pediatrics*.

Alumni Stories

Catherine L. Chen, MD, MPH (cont'd)

I am incredibly grateful to UCSF Anesthesia for giving me everything I ever wanted in a professional career. I love working alongside brilliant clinical and research colleagues every day, as well as having opportunities to teach and mentor residents and medical students. While people sometimes joke that UCSF stands for “U Can Stay Forever,” UCSF Anesthesia’s clinical and research excellence, leadership in perioperative sustainability and physician well-being, and culture that celebrates diversity, equity, and inclusion make it easy for me to want to stay. My husband and I now have three daughters, and we feel lucky to be able to call San Francisco our home.

Benedict (Ben) Alter, MD, PhD

I am a physician-scientist studying the mechanisms and clinical impact of pain modulation with the goal of improving pain management. Currently, I am an Assistant Professor and Director of Translational Pain Research in the Department of Anesthesiology and Perioperative Medicine at the University of Pittsburgh. My research group focuses on the role of endogenous pain modulation in chronic pain and identifying ways to leverage pain dampening systems for novel pain therapies and biomarkers.

My research-track residency in the Department of Anesthesia at UCSF was an incredible time of opportunity and change. Coming into residency, I was already committed to a research career. However, up until then, I studied animal models of pain. During my clinical training, it became clear to me that rigorous human research, both preclinical and clinical, was required to tackle the big questions in the pain field that I wanted to devote my scientific life to answer. I was incredibly lucky to come to this realization at UCSF. During the research-track residency, the Anesthesia department supported me in post-doctoral work with Dr. Howard Fields (Neurology), examining pain perception in healthy volunteers. I also trained in clinical research. Both efforts directly led to my current research program, supported by career development awards from anesthesia foundations and the NIH. In a collaborative spirit impressed upon me during my time at UCSF, I continue to work with amazing investigators at UCSF across multiple departments, including the Anesthesia department. Training at UCSF Anesthesia was an honor and a privilege which has helped me in my career as a physician-scientist



Alumni Stories

Gregory A. Chinn, MD, PhD

I came to UCSF for residency after completing my MD/PhD at UC Irvine, drawn by the combination of rigorous clinical training, a vibrant research environment, and a culture that deeply values mentorship and collaboration. I feel incredibly fortunate to have learned from anesthesia pioneers like Drs. Ted Eger, George Gregory, and John Severinghaus through their lectures and presence within the department, while training directly under outstanding clinicians such as Drs. Marty Bogetz, Peka Talke, and Kathryn Rouine-Rapp during residency. Their expertise, professionalism, and commitment to teaching have had a lasting impact on how I approach patient care, mentorship, and research.



As part of the Research Scholar Track during residency, I was given protected time to pursue basic science questions in developmental neurobiology. Under the mentorship of Dr. Jeff Sall, I investigated anesthetic neurotoxicity in the developing brain, identifying critical windows of vulnerability and exploring strategies to mitigate long-term effects. Jeff has been an exceptional mentor—supportive, generous, and encouraging of my growth from trainee to independent investigator and colleague.

Following residency, I stayed at UCSF as a T32 research fellow and shifted my focus to the neurodevelopmental impact of early-life cannabinoid exposure. My current work uses rodent models and molecular techniques to study behavioral and transcriptomic consequences of exposure to compounds like CBD. With support from FAER, the UCSF RAP program, and strong departmental backing, I have laid the foundation for an independent research program and continue to pursue NIH funding to advance this work.

Clinically, I spend most of my time at Zuckerberg San Francisco General Hospital (ZSFG), a place that has become central to my professional identity. ZSFG's mission-driven culture and commitment to serving vulnerable populations make it an incredibly meaningful place to work. I especially enjoy mentoring residents as they step into leadership roles, and it is deeply rewarding to watch them grow into confident, capable anesthesiologists.

In my role as Director of Resident and Fellow Research, I help support and guide trainees interested in academic careers. I have enjoyed recruiting and mentoring talented residents who are passionate about research and watching them find their voices as investigators while balancing the demands of clinical training.

Alumni Stories

Gregory A. Chinn, MD, PhD (cont'd)

I am grateful for the unwavering support of our departmental leadership. Dr. Judith Hellman, Vice Chair for Research, has been a tireless advocate for my development as a physician-scientist. Drs. Mervyn Maze and Michael Gropper, as past and current department chairs, have built an environment that champions mentorship, innovation, and academic growth, making UCSF an ideal place to launch and sustain a career in academic anesthesiology.

Outside of work, I enjoy spending time with my wife and kids, whether we are hiking, biking, gardening, or navigating the ever-evolving routine of soccer practices, ballet classes, and piano lessons. Raising a family in the Bay Area has been a joy and a grounding counterbalance to academic life. After more than a decade at UCSF, I continue to feel fortunate to be part of a community that values excellence, mentorship, and purpose in both clinical care and scientific discovery.



Alumni Stories

Paul Riegelhaupt, MD, PhD



It has been a busy decade since my family and I left UCSF and San Francisco to settle down near family in New York. I have been at Weill Cornell for the duration, where I have started a research laboratory, served as an associate program director for our anesthesiology residency, and am now co-director of our Van Poznak research residency track. In the OR, I have gravitated to neuroanesthesia and find myself regularly drawing on what I learned from UCSF mentors like Drs. Adrian Gelb, Pekka Talke, and Chanhung Lee.

In the lab, my group studies the pharmacology and physiology of anesthetic sensitive potassium channels. These proteins became a fascination of mine during my UCSF research track residency training with Dr. Daniel Minor and I have been studying them ever since. I started my own research program about a year after arriving at Weill Cornell, first with an MRTG grant from the Foundation for Anesthesia Education and Research (FAER) and then subsequently with K08 and R01 funding from the NIH. In the lab, we have had a great time expanding our reach and focus, incorporating new functional and structural biophysical techniques, and collaborating with an international set of likeminded scientists. Our work has been recognized by several research awards, though none have been more personally meaningful to me than the William L. Young Neuroscience Research Award from the Society for Neuroscience in Anesthesia and Critical Care (SNACC). Dr. Young (Bill) was the one to give me my start as an anesthesiologist researcher at UCSF and he and Dr. Judith Hellman really helped launch my career.

It has not all been smooth sailing. The COVID-19 pandemic turned me from a four-day-a-week researcher to a full-time makeshift intensivist for a few months, caring for intubated patients lined up three in a room in our ORs. When things were pretty dark, seeing Dr. Lundy Campbell, my residency classmate Dr. Wei Zhou, and Weill Cornell alum Dr. Melvin La show up in our hospitals to pitch in and help was a real shot in the arm (pun intended) and reminded me what a special place UCSF is. In the few minutes of quiet time, Melvin introduced me to a new sourdough baking fad that several UCSF faculty members were taking on together under the tutelage of local expert Dr. Gerald Dubowitz. I received a sourdough starter care package in the mail from Dubowitz a few weeks later and I was hooked. Five years later and I still have that starter going in my fridge. I'm not quite Arizmendi quality, but my kids are real bread snobs now and only want the homemade stuff...

Culture and Belonging and Global Health Equity

Culture and Belonging and Global Health Equity

ASA's 'Doctors Back to School' Program Empowers the Next Generation

By Hannah Fairbanks

The annual American Society of Anesthesiologists (ASA) meeting (held in 2024 in Philadelphia, PA) is a time for learning, connection, and networking, and now, thanks to the work Odmara Barreto Chang, MD, PhD, and others on the ASA Committee on Professional Diversity have been doing for the last 8 years, a chance to give back.

Barreto Chang has served on the ASA Committee on Professional Diversity since 2017. Now chairing the committee, she shares that the ASA Doctors Back to School (DBTS) event, traditionally held the Monday after the conference, is one of her favorite events of the year. The DBTS program aims to provide early exposure to students underrepresented in medicine to help instill the idea that “I too can do it; there are doctors who look like me, and I belong in this space too. As one of our anesthesiologists said, ‘You cannot become what you cannot see.’ One of the most powerful things we can help with is building confidence with the idea that they, too, have a space in this field, and despite the many barriers they may face on this path, they can and will achieve their goals if they are dedicated.”

This year, Barreto Chang and the ASA Committee on Professional Diversity partnered with North Philadelphia to Lindley Academy Charter School at Birney for its 8th year of the Doctors Back to School. There was an overwhelming response of volunteers, and the group had ultrasound, airway/intubation, vitals/CPR, and epidural stations in each of the 6 classrooms, with 180 students getting hands-on experiences. The students were enthusiastic about the mannequins and equipment and were eager to get a hands-on opportunity to intubate and to use ultrasound to see pictures of the inside of the body.

Barreto Chang notes that ASA DBTS is open to the entire ASA community – from faculty members to residents, fellows, and even medical students. Members of the UCSF community, including Anesthesia Department faculty member Vanessa Henke, MD, UCSF medical student Victoria Liu, and former T32 Fellow (now at Washington University of St. Louis) Roberta Teixeira Tallarico, MD, PhD, participated this year. Barreto Chang happily reported that Sara Zhou, a UCSF medical student who participated in the program last year, matched with our residency program and will be joining our department as a CA1 in 2025!



Caption: Dr. Odmara Barreto Chang (front row, third from right), with the other volunteers, including Sara Zhou and Drs. Roberta Tallarico and Vanessa Henke, in front of the Lindley Academy Charter School in Philadelphia at the ASA Doctors Back to School event in October, 2024.

Culture and Belonging and Global Health Equity

UCSF Center for Health Equity in Surgery and Anesthesia (CHESA)

The Center for Health Equity in Surgery and Anesthesia (CHESA) uses research, education, and advocacy to improve access to safe surgical, anesthesia and perioperative care in all settings. Below, we provide an update of CHESA's work in 2024.

- Four anesthesia fellows graduated from the CHESA Fellowship program in July, including Drs. Ronald Bisegerwa, Isam Bsisu, Maryn Kanter, and Liana Valeanu, who was also a WFSA-CHESA Simulation Education Fellow mentored by Dr. Maytinee Lilaonitkul.
- Drs. Valeanu and Lilaonitkul also co-led the SMiLE Anesthesia Simulation Education course in partnership with AAU, WFSA, and Makerere University in November, which had participants from across the East Africa region.
- Four anesthesia fellows joined the CHESA 2024–2026 cohort, including Dr. Nathalie Paul from Haiti, as well as Drs. Priscilla Aceng, Phiona Nansubuga, and Emmanuel Aporu from Uganda. These fellows will be mentored by CHESA leadership, including Drs. Cornel Sendagire, Fred Bulamba, Tyler Law, Adrian Gelb, and Mike Lipnick.
- Dr. Lundy Campbell deployed to the Tigray region of northern Ethiopia for three months with the International Committee of the Red Cross (ICRC) to provide much-needed support to the Awash Military Hospital, caring for over 15,000 patients in the aftermath of the civil war. The hospital was overcrowded and lacked basic amenities, including running water. The ICRC continues efforts to improve sanitation, supplies, and overall facility conditions.
- Dr. Odi Ehie transitioned from Designee Chair to Chair of the Society of Education in Anesthesia Global Health Committee—a position she will hold for two years before transitioning to the next Designee Chair.
- Dr. Hung Nguyen continued his work in educational training and capacity-building at children's hospitals in northern Vietnam, with visits in 2024.
- CHESA, along with the Department of Emergency Medicine, continues to collaborate on and lead the UCSF-WHO Emergency, Critical, and Operative Care Collaborating Centre.
- With support from USAID, the CHESA team completed a multi-year review of USAID's COVID-19 Oxygen Programs.
- CHESA hosted three undergraduate and four medical students for a 10-week summer internship program, which included mentorship on individual research projects and clinical shadowing experiences.



- Dr. Maytinee Lilaonitkul led the development of 20 anesthesia care modules for the WHO.
- Drs. Tyler Law and Fred Bulamba received the First Place Editor's Choice Award from Anesthesia & Analgesia for leading and publishing the Global Anesthesia Workforce Study.
- The Open Oximetry Project also completed the FDA funded prospective clinical trial on oximeter bias at ZSFG (The EquiOx Study), with collaboration and leadership from Drs. Carolyn Hendrickson, Tyler Law, Phil Bickler, and Mike Lipnick.
- The Open Oximetry Project received \$1 million in funding from UNITAID through PATH to continue research activities that began in 2022.
 - The project launched a Diversity Toolkit to help medical device researchers conduct more equitable studies and developed and piloted a customizable infographic on best practices for pulse oximeter use among health practitioners.
 - Dissemination efforts are ongoing, with five abstracts submitted to various conferences, two manuscripts published, and seven public meetings hosted through the FDA-designated Open Oximetry Collaborative Community.
 - The team is currently working to open a Hypoxia Lab in Uganda to continue data collection.
- Dr. Adrian Gelb was honored as the recipient of the ASA's Nicholas M. Green Award for Outstanding Humanitarian Contributions.

Michael Lipnick, MD

Co-founder, the UCSF Center for Health Equity in Surgery and Anesthesia (CHESA)

Our Sites

Our Sites

Mission Bay

Mission Bay is home to UCSF Benioff Children's Hospital San Francisco, UCSF Betty Irene Moore Women's Hospital, UCSF Bakar Cancer Hospital, UCSF Bakar Precision Cancer Medicine Building, and the new Bayfront Medical Building, in addition to numerous outpatient services for children and adults. The UCSF Orthopaedic Institute is also located at Mission Bay. UCSF Medical Center at Mission Bay is an innovative 289-bed complex featuring three separate hospitals, specializing in serving children, women, and cancer patients, as well as a green energy center and a helipad.

The Anesthesia department provides anesthesia, critical care and post-operative pain management support to patients seeking treatment at the Betty Moore Women's and Bakar Cancer hospital, connected with the Benioff Children's Hospital at Mission Bay. The hospital focuses on urologic, gynecologic, head and neck, intestinal, hepatobiliary and orthopedic surgical and non-surgical oncology treatments. Patients are also seen for benign gynecology issues and for assisted reproduction treatments.



Our Sites

Parnassus Heights

Our original campus, UCSF Helen Diller Medical Center at Parnassus Heights is home to inpatient and outpatient services, as well as research institutes and educational facilities. Parnassus includes our 15-story hospital, as well as clinics in our Ambulatory Care Center.

The UCSF Helen Diller Medical Center at Parnassus Heights is the original site of the Affiliated Colleges that evolved into the health sciences university that UCSF is today. Since the opening of the UCSF Medical Center at Mission Bay in 2015, clinical care on Parnassus has transitioned into focusing on high-end adult surgical and medical services, including emergency medicine.



Our Sites

Mount Zion

Mount Zion Hospital was established in 1887 by the San Francisco Jewish community as a non-profit hospital to render “medical and surgical aid and service to the needy and distressed sick of the community ... without regard to race or creed.” Today, Mount Zion continues its involvement in teaching, research, and patient care.

UCSF Medical Center at Mount Zion is home to outpatient clinics, a hospital and surgical facilities, and support services for patients and families. The UCSF Osher Center for Integrative Health, Helen Diller Family Comprehensive Cancer Center and Women’s Health Center (a nationally designated center of excellence in women’s health) all have locations at the Mount Zion campus.

The Mount Zion hospital was renovated in 2021 and has reopened as the new hub for UC San Francisco’s adult orthopedic surgery services – the first specialty center in the region to focus on caring for patients with orthopedic issues. Most UCSF orthopedic surgical operations are now performed there, including hip, knee and shoulder replacements; trauma surgeries; and hand, foot and ankle surgeries. It’s home to a sports medicine clinic as well.

The Mount Zion Surgery Center is an ambulatory surgery center offering 23-hour postoperative stays. The anesthesia department provides anesthesia, critical care and post-operative pain management for a diverse array of surgical procedures that are performed at Mount Zion including General Surgery, Ophthalmology, Head and Neck, Spine, and Breast.



Our Sites

Zuckerberg San Francisco General

Zuckerberg San Francisco General is a licensed general acute care hospital within the Community Health Network, which is owned and operated by the City and County of San Francisco, Department of Public Health. ZSFG provides a full complement of inpatient, outpatient, emergency, skilled nursing, diagnostic, mental health, and rehabilitation services for adults and children. It is the largest acute inpatient and rehabilitation hospital for psychiatric patients in San Francisco. Additionally, it is the only acute hospital in San Francisco that provides twenty-four hour psychiatric emergency services.

ZSFG is world renowned for its expertise in trauma and neurotrauma / neurologic critical care. As a UCSF affiliate, ZSFG has a long and distinguished history of research in diverse areas including trauma, AIDS, anesthesia, and critical care.

ZSFG Trauma Center

Respiratory Care Services works very closely with the renowned trauma service at ZSFG. ZSFG operates the only level 1 trauma center for more than 1.5 million residents of San Francisco and northern San Mateo County. RCS plays a vital role in the emergency department which treats more than 3,000 severely injured patients every year.



Our Sites

VA Medical Center

At the San Francisco VA Health Care System, our mission is to honor Veterans, their families, and caregivers by offering exceptional care that improves their health and well-being. With an unparalleled reputation as providers of the most complex care across VHA, we have a long history of conducting cutting-edge research, establishing innovative medical programs, and providing compassionate care. Notably, for over 60 years, the Medical Center's affiliation with the University of California, San Francisco (UCSF) ensures that all physicians are jointly recruited with UCSF School of Medicine.

The San Francisco VA Health Care System Medical Center provides state of the art tertiary medical care to veterans. The SF VA Anesthesiology Service has extensive research, education, and simulation programs reducing perioperative risk, morbidity, and mortality in addition to providing exceptional clinical care.



Our Sites

Benioff Children's Hospital Oakland

Our UCSF Benioff Children's Hospital Oakland location houses inpatient and outpatient services, including radiology and imaging, and a range of pediatric specialty departments and clinics, from the Fetal Treatment Center to diabetes and oncology clinics and the Center for Sickle Cell Disease.



Development

Development

Donor Contributions Fueled PARC's Innovations in Pain and Addiction

By Hannah Fairbanks

Philanthropic support played a pivotal role in advancing scientific research at the Pain and Addiction Research Center (PARC) at UCSF over the past year.

PARC awarded a UCSF faculty research fellowship valued at \$100,000. This fellowship, funded by generous donations, was crucial in supporting a faculty member in groundbreaking pain and addiction research concerning ketamine. The fellowship allowed this researcher to delve deeper into his studies, which will ultimately contribute to understanding and potentially to the development of new treatments and interventions.

To ensure that PARC faculty members remain at the forefront of the latest scientific developments, donor funds were also used to host an annual research symposium. The 2024 Neuromodulation Symposium provided a platform for researchers to share their findings, exchange ideas, and foster collaboration. The ongoing education and networking facilitated by this event was vital for sustaining cutting-edge research.

Contributions allowed PARC to establish transdisciplinary working groups that brought together preclinical, clinical, and social scientists. These groups focused on various critical aspects of pain and addiction, enhancing the depth and breadth of research. Additionally, they assisted faculty with developing research proposals, making it easier to secure funding and support for new projects and bridging the gap between basic research and clinical application.

Donor funds enabled PARC to offer mentorship time, in which senior faculty members guided early-stage researchers. These consultations were particularly valuable for high-risk, high-reward projects that might not have received funding through traditional channels. The mentorship helped young researchers refine their methodologies, enhance their proposals, and increase their chances of making significant scientific contributions.

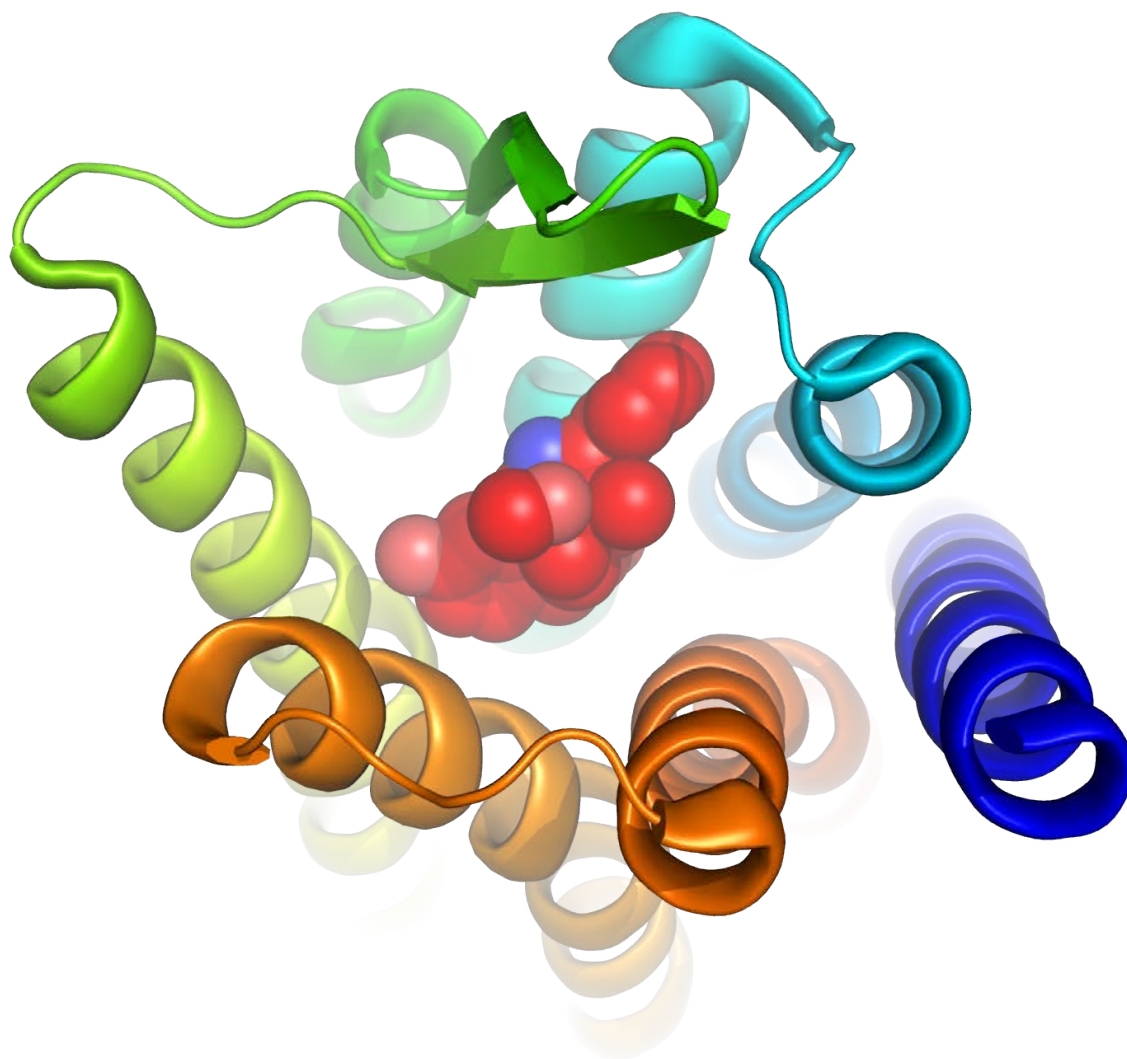
PARC fosters the development of scientists and clinicians from underrepresented groups. Donated funds supported initiatives that provided these individuals with the resources and opportunities they needed to succeed in pain and addiction research. This not only promoted diversity within the scientific community but also brought fresh perspectives and innovative ideas to the research table.

Donated funds were also allocated to the development and maintenance of a dedicated educational resource, the Pain Management Education at UCSF website: pain.ucsf.edu.

This comprehensive website serves as a centralized hub for evidence-based practices, resources, and updates in pain and addiction management. It provides healthcare professionals, researchers, and patients alike with valuable tools to enhance the quality of care and understanding of these complex issues.

Financial support enabled UCSF to host monthly educational seminars focused on pain and addiction. These seminars are open to all faculty members and learners across and outside of the university, ensuring that the latest advancements in research and clinical practices are disseminated widely. These sessions not only educate but also foster a collaborative environment where ideas can be shared and innovative approaches to patient care can be developed.

The generous support from donors was instrumental in driving PARC's mission forward. By funding fellowships, symposia, working groups, mentorship programs, and diversity initiatives, these contributions helped PARC to not only advance scientific understanding but also to train the next generation of researchers. The impact of these donations was profound, leading to innovations that had the potential to transform lives affected by pain and addiction.



Development

Investing in Excellence: How Donations Transformed Pain Management at UCSF

By Hannah Fairbanks

Donations over the past fiscal year played a crucial role in supporting the UCSF Pain Management Center. Contributions directly enhanced the quality of care for our patients and supported the professional growth of our dedicated faculty and staff.

The Pain Management Center, primarily managed by Dr. Chris Abrecht along with the Vice Chair for Pain Medicine Dr. Mark Schumacher, is committed to providing cutting-edge treatments and comprehensive care. Financial contributions helped us continue to excel in several key areas.

With this support, we provided Pain Reprocessing Therapy training for our pain psychologists. This innovative therapy helped patients reframe their understanding of pain, leading to significant reductions in chronic pain symptoms.

This funding allowed our junior faculty members and nurse practitioners to attend conferences. Donations covered travel expenses for a conference on cancer pain, allowing them to gain valuable insights and skills. Additionally, funding covered conference fees for local training by the World Academy of Pain Medicine United enabled multiple faculty members to enhance their ultrasound-guided intervention techniques.

Creating a supportive and positive work environment is essential for high-quality patient care. Contributions funded morale-boosting events, such as a holiday meal at the clinic and gatherings for the pain division. These events fostered teamwork, enhanced job satisfaction, and ultimately improved patient outcomes.

Looking ahead, we have plans to improve the patient experience on procedure days by providing therapeutic devices to relieve stress. These small comforts can make a significant difference in patient satisfaction and overall experience.

A donation to the UCSF Friends of the Center for Pain Medicine fund is an investment in the future of pain medicine. By supporting our faculty, staff, and patients, donations help maintain our commitment to excellence and compassionate care.

Support the UCSF Friends of the Center for Pain Medicine fund, here:
tiny.ucsf.edu/CPMFund

Development

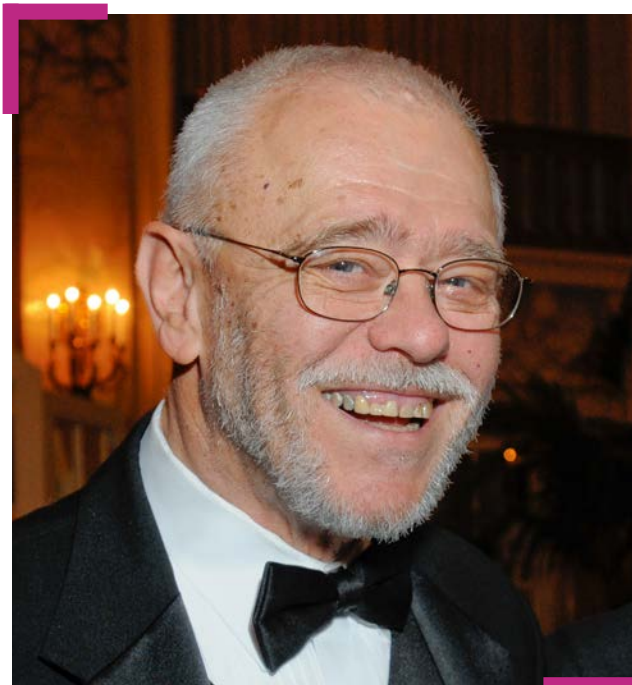
The George Gregory and Kathryn Rouine-Rapp Endowments

The department is honored to announce the creation of the Dr. George Gregory Endowment Fund (established 2024) and Dr. Kathryn Rouine-Rapp Endowment Fund (established 2025).

The George Gregory Endowment

The Dr. George Gregory Endowment Fund will ensure that future generations can benefit from the same opportunities and pursue innovation and excellence as Dr. Gregory has always encouraged. Contributors to this fund will be part of recognizing this extraordinary physician, researcher, and educator while paving the way for further breakthroughs in the field. Contributions will play a crucial role in honoring Dr. Gregory's lifelong commitment to pediatric patients and anesthesia trainees and will help cement his impact for years to come. This endowment fund will support pediatric anesthesia research, the Annual George Gregory lectureship, and continue the efforts of Dr. Gregory toward improving pediatric anesthesia education internationally.

Support the George Gregory Endowment, here: tiny.ucsf.edu/GGFund



Development

The Kathryn Rouine-Rapp Endowment

The recently established Dr. Kathryn Rouine-Rapp Endowment Fund is dedicated to advancing Dr. Rouine-Rapp's lifelong mission of pediatric anesthesia. This endowment fund will provide sustainable funding for pediatric anesthesia clinical research, including education, recruitment of external faculty, and direct support for research projects.

The department is deeply grateful to the family of Dr. Rouine-Rapp for their generosity and vision in starting this endowment. This gift not only honors Dr. Rouine-Rapp's memory but inspires others to give back to celebrate her remarkable life. Dr. Rouine-Rapp was a beacon of knowledge, leadership, and human kindness. This endowment will allow her legacy to continue to inspire and influence us.

Support the Kathryn Rouine-Rapp Endowment, here: tiny.ucsf.edu/KRRFund



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