

# Andrew L. Vargas MD

## Post-Graduate Medical Practice

**Bay Surgery Center LLC in San Jose, CA** **July 2023 – Present**

- President and Medical Director

**Silicon Valley Comprehensive Pain Inc in Fremont, CA** **June 2023 – Present**

- Founding Partner for comprehensive pain management services in the Bay Area

**Synergex Med, Inc in Fremont, Redwood Shores, and San Jose, CA** **February 2021 – Present**

- Independent Physician for Pain Management focused on telemedicine.
- Designated Bay Area Lead Physician to coordinate physicians, patients, and facilities

**Vituity Healthcare and Medical Staffing Services in Fremont, California** **May 2021 - Present**

- Partner Anesthesiologist at Washington Hospital and affiliated practices in the Bay Area.
- Provided solo anesthesia coverage for a variety of inpatient and outpatient procedures.
- Provided perioperative and pain management consultation services.

**The Henry Ford Medical Group in Detroit, Michigan** **August 2020 – April 2021**

- Senior Staff Physician in the Department of Anesthesia, Pain Management, and Perioperative Medicine.
- Duties included general operating room, regional and acute pain service, obstetric anesthesia, and chronic pain management at an 877-bed tertiary care hospital and level one trauma center.
- Supervised resident physicians, nurse anesthetists, and nurse practitioners.

## Certifications

- Anesthesiology, ABA Certified 05/01/2021-12/31/2031
- Pain Medicine, ABA Certified 05/01/2021-12/31/2031
- California Fluoroscopy License Expires 12/2023

## Education

**University of California San Francisco in San Francisco, California** **July 2016 – July 2020**

- Chronic Pain Fellowship – Department of Anesthesia and Perioperative Care. July 2020
- Anesthesia Residency - Department of Anesthesia and Perioperative Care. June 2019

**Medical College of Wisconsin Affiliated Hospitals – Milwaukee, Wisconsin** **July 2015 – June 2016**

- Transitional year resident.

**Medical College of Wisconsin in Wauwatosa, Wisconsin** **August 2011 – May 2015**

- Doctor of Medicine (MD) degree.

**The University of Georgia in Athens, Georgia** **August 2005 – May 2010**

- Bachelor of Science in Cellular Biology May 2010
- Bachelor of Science in Biochemistry and Molecular Biology May 2009
- Alpha Epsilon Delta Pre-Medical Honor Society, Dean's list recipient, four-year recipient of the HOPE Scholarship.

## Honors, Awards, and Scholarships

American Board of Anesthesiology Basic Exam – Top 10<sup>th</sup> Percentile June 2017

Teaching Award for Outstanding Medical Student Education, St Joseph's Hospital in Milwaukee, Wisconsin June 2016

Millman Award for Outstanding Medical Degree Candidate – Finalist May 2015

Alpha Omega Alpha Honor Medical Society (AOA) March 2014 – Present

Alpha Epsilon Delta Pre-Medical Honor Society July 2008-May 2010

Dean's List Recipient May 2008-May 2010

HOPE Scholarship Recipient August 2005-May 2009

## Teaching

**MCW Medical Student Tutoring Program** **August 2012 – May 2015**

*Student Tutor*

- Tutored M1 Molecules to Cells course and the M2 Reproductive and Endocrine unit.
- Developed notes and outlines, wrote practice questions, and presented summarized class material.

**USMLE Step 1 Tutoring Program** **October 2013 – May 2014**

*Step 1 Tutor*

- Provided Step 1 preparation strategies to an assigned group of M2 students.
- Gave helpful hints with mnemonics and taught Step 1 relevant material.

**Examcrackers Test Preparation in Atlanta, Georgia**

**October 2010 – July 2011**

*MCAT Course Instructor*

- Produced detailed lecture notes and lesson plans pertaining to the Medical College Admissions Test.
- Taught MCAT physics and chemistry to pre-medical students two nights per week.

**Division of Academic Enhancement in Athens, Georgia**

**May 2009 – July 2010**

*Science Tutor*

- Tutored twenty to thirty undergraduate students per week in biological and physical sciences.
- Certified Level One and Two tutor by the College Reading and Learning Association.

**Basic and Clinical Science Research**

**MCW Department of Pediatric Surgery in Milwaukee, Wisconsin**

**May 2012 – May 2014**

*Research Student*

- Designed experimental protocol relevant to cardiovascular research in a National Heart, Lung, and Blood Institute-funded study.
- Collected and utilized data for future experiments.
- Presented a poster summarizing findings for Summer Research Day.

**Emory University School of Medicine in Atlanta, Georgia**

**July 2010 – July 2011**

*Endocrinology Clinical Research Trainee*

- Aided the principal investigator and project coordinator in implementing their protocol on diabetes research.
- Performed clerical duties associated with project development and institutional review board approval.

**UGA Department of Biochemistry in Athens, Georgia**

**May 2008 – August 2009**

*BioEnergy Science Center (BESC) Project Student and Laboratory Technician*

- Researched the activity of bacterial enzymes for production of ethanol fuel.
- Collected and organized data to be reported to the principal investigator.

**Poster Presentations and Invited Speakerships**

**International Anesthesia Research Society in Montreal, Quebec**

**May 2019**

*Perioperative Multimodal Analgesic Regimens Decrease Hospital Length of Stay and Expedite Recovery Following Spinal Fusion Surgery*

Andrew Vargas MD, Lee-Lynn Chen MD, and Solmaz Manuel MD

**Society of Critical Care Anesthesiologists: Medically Challenging Cases in Montreal, Quebec**

**May 2019**

*Bilateral Lung Transplant in a Patient with Hermansky-Pudlak Syndrome*

Albert F Yen MD, Andrew Vargas MD, Kristine Breyer MD, Wendy Smith MD, and Lundy Campbell MD

**American Society of Regional Anesthesiologists in Las Vegas, Nevada**

**April 2019**

*Perioperative Multimodal Analgesic Regimens Decrease Hospital Length of Stay and Expedite Recovery Following Spinal Fusion Surgery*

Andrew Vargas MD, Lee-Lynn Chen MD, and Solmaz Manuel MD

**International Anesthesia Research Society in Chicago Illinois**

**April 2018**

*The Optimum Intravenous Catheter for Massive Transfusions in Trauma; a Pragmatic In Vitro Study*

Andrew Milne MBChB FRCA DMCC, Justin Teng MD, Andrew Vargas MD, and Adam Collins MD

**American Society of Anesthesiologists: Medically Challenging Cases in Boston, Massachusetts**

**October 2017**

*Urgent Intracranial Biopsy in an Adult with Unrepaired Congenital Heart Disease: The Challenge of Pulmonary Atresia*

Andrew Vargas MD, Kristina Sullivan MD, Stephen D Weston MD, and Michael Bokoch MD, PhD

**Western Anesthesia Resident's Conference in Portland, Oregon**

**April 2017**

*Respiratory Failure, Metabolic Acidosis, Hypotension, and Fluid Overload Caused by Bladder Fluid Irrigation during HoLEP*

Andrew Vargas MD and Patricia Roth MD

**Medical Student Summer Research Day in Milwaukee, Wisconsin**

**September 2012**

*Determining Binding Interactions Between Extracellular Matrix Proteins and Lipoprotein Molecules by Surface Plasmon Resonance: A Novel Approach*

Andrew Vargas and Kirkwood Pritchard PhD

**Volunteer Activities and Leadership**

**Medical Humanities Interest Group**

**August 2011 – May 2015**

*Co-President*

- Researched and provided topics of discussion for bi-monthly meetings.
- Organized meetings that included students and faculty.

*Member*

- Discussed articles and art related to practice of medicine.
- Attended the Memory Arts Project for Senior Citizens.

**Saturday Clinic for the Uninsured**

**August 2011 – May 2015**

*Student Volunteer*

- Interviewed and examined clinic patients, and then presented cases to attending physicians.
- Instructed first and second year students in basic clinical practice as a junior medical student.
- Worked with patients, pre-clinical students, and faculty over twelve half-days at free clinic.

**Applicant Host Program**

**August 2011 – March 2013**

*Applicant Host*

- Hosted applicant for the night before their interview.
- Participated in Thursday night student question and answer panel.

**Nonclinical Work Experience**

**YMCA Camp High Harbour in Clayton, Georgia**

**May 2003 – May 2011**

*Extended Season Services Staff*

- Coordinated camp programs to Girl Scout camps, Boy Scout camps, and high school retreats.
- Directed junior staff members in maintaining a clean and active camp environment.

*Media Program Director*

- Performed administrative and technical duties related to the operations of audio and visual systems.
- Produced a weekly movie and slide show from video and images recorded during the week.

*Cabin Counselor*

- Worked with staff members, program directors, and professional staff to maintain a safe and fun camp environment.
- Certified in CPR, first aid, and water safety for the duration of employment.

**UGA Housing in Athens, Georgia**

**May 2008 – July 2010**

*Office Assistant*

- Addressed the concerns of residents and their parents in person and on the telephone.
- Performed mail clerk duties and completed paperwork associated with checking residents in and out of housing.

*Desk Assistant*

- Provided customer service to residents of UGA Housing and performed clerical duties.
- Aided housing security in maintaining a safe environment for a community housing over 1,300 residents.

**UGA Food Services in Athens, Georgia**

**May 2006 – December 2007**

*Student Services Provider*

- Prepared food items and maintained a clean environment for patrons of the UGA meal plan.
- Received training in sanitary preparation and quality control of food.