

# Anthony Onde Morada, MD

## Contact Information

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## Professional Summary

General Surgery Resident (PGY-4) at Geisinger Northeast with **demonstrated commitment to transplant surgery** through research experience at Cedars-Sinai's Liver Transplant and Hepatobiliary Surgery programs. UCSB alumnus originally from Los Angeles with over **10 years of translational and clinical research experience** spanning systematic reviews, clinical outcomes research, and genomic medicine applications. **Seven peer-reviewed publications** including first-author systematic review in *Surgical Endoscopy*. Proven track record in **quality improvement initiatives** and **large-scale data analysis** (92,297+ patients). Proud Filipino-American physician committed to advancing surgical care through evidence-based practice and research innovation in transplant surgery.

## Research Highlights

- **Systematic Review Expertise:** Lead author on systematic review methodology (*Surgical Endoscopy*)
- **Clinical Outcomes Research:** COVID-19 triage algorithms and surgical outcomes analysis
- **Genomic Medicine:** Analysis of 92,297 patients in large-scale genomic database
- **Quality Improvement:** Prospective studies improving surgical care and patient outcomes
- **Transplant Surgery Background:** Research experience at Cedars-Sinai Liver Transplant program

## Current Position

**General Surgery Resident (PGY-4)** | 2022 – Present  
Geisinger Northeast General Surgery Program, Scranton, PA

## Education

### **Doctor of Medicine** | 2022

Geisinger Commonwealth School of Medicine, Scranton, PA

### **Bachelor of Science in Cell and Developmental Biology** | 2014

University of California – Santa Barbara, Santa Barbara, CA

*Graduated with Distinction in the Department of Molecular, Cellular, and Developmental Biology*

*Minor in English*

### **Emergency Medical Technician Certification** | 2011

UCLA Center for Prehospital Care, Los Angeles, CA

*Accredited by West Los Angeles College*

## Research Experience

### **Clinical Investigator and Analyst** | 2020 – 2022

Donald Guthrie Foundation, Guthrie Robert Packer Hospital, Sayre, PA - **Principal investigator** for prospective observational study improving readmission rates in high-output ileostomy patients (NCT04669964) - **Led protocol development** and IRB approval process for **registered clinical trial** - Developed evidence-based protocol improving surgical resident autonomy through **structured laparoscopic training** - **Published results** contributing to surgical education and patient outcomes literature

### **Student Investigator** | 2019 – 2020

Quality Improvement Community Collaborative (QUICC) – Transition Care Management, Guthrie Robert Packer Hospital, Sayre, PA - Developed prospective quality improvement project to increase transition care management compliance - Created EPIC tool and staff education protocol; presented at Stanley Conklin Research Day

### **Student Investigator** | 2018 – 2019

Longitudinal Community Health Improvement and Promotion (CHIP) – Colorectal Cancer, Northeast Regional Cancer Institute, Scranton, PA - Quality improvement project for colorectal screening compliance at community clinic

### **Research Chair** | 2018

General Surgery Interest Group (GSIG), Geisinger Commonwealth School of Medicine, Scranton, PA - Organized research opportunities and presented four collaborative projects at conferences

### **Student Investigator** | 2017 – 2018

Weis Center for Research, Geisinger Medical Center, Danville, PA - Analyzed genomic data from **92,297 patients** in Geisinger's MyCode and DiscovEHR program - **one of the largest healthcare genomic databases** - Performed

high-volume statistical analyses using **R programming** on whole exome sequences to identify rare disease variants - **Focus on autosomal dominant diseases** relevant to transplant genetics and familial conditions - Awarded **competitive grant funding** from GCSOM's Summer Research Immersion Program

**Clinical Research Data Specialist | 2015 – 2017**

Departments of **Liver Transplant & Hepatobiliary and Pancreatic Surgery**, Cedars-Sinai Medical Center, Los Angeles, CA - Coordinated clinical research studies for **liver transplant recipients** and **living donor** candidates - Managed **transplant outcomes biorepository** with specimens from 500+ transplant patients for translational research - Served as IRB contact for **liver transplant clinical trials** including immunosuppression protocols and rejection studies - Collaborated directly with **transplant surgeons** on publications analyzing **post-transplant outcomes** and surgical complications - Performed statistical analyses using R programming for **transplant surgery research** published in peer-reviewed journals

**Clinical Research Volunteer | 2015**

Department of Microbiology, St. John's Regional Medical Center, Oxnard, CA - Analyzed blood culture contamination data using R programming

**Undergraduate Research Assistant | 2013 – 2015**

Dr. Kathy Foltz Laboratory, University of California – Santa Barbara, Santa Barbara, CA - Investigated egg activation mechanisms; reviewed more than 8,000 unique phosphor-sequences from a high throughput phosphoproteomic analysis of time course egg lysates of *S. Purpuratus* - Awarded two Undergraduate Research and Creative Activities (URCA) Grants

**Laboratory Research Assistant | 2014**

Dr. Megan Valentine and Dr. Stuart Feinstein Laboratories, University of California – Santa Barbara, Santa Barbara, CA - Summer research project synthesizing Alzheimer's-associated tau protein and isoforms

**Undergraduate Research Assistant | 2012**

Dr. Dzwokai Zach Ma Laboratory, University of California – Santa Barbara, Santa Barbara, CA - Researched histone modifications during cytokinesis

## **Clinical Experience**

**Lead Emergency Medical Technician | 2012 – 2014**

UCSB's Extra Help Program, Santa Barbara County Fire Department, Santa Barbara, CA - Provided Basic Life Support care to the community of the University of California – Santa Barbara and associated districts; responsible for more than 22,000 citizens - Acted as liaison between student EMTs and Santa Barbara County Fire Department - Managed EMT staff logistics and organized training sessions for continuing education

## Publications

### Peer-Reviewed Articles

1. **Morada AO**, Senapathi SH, Bashiri A, Chai S, Cagir B. A systematic review of primary ileostomy site malignancies. *Surg Endosc.* 2022;36(3):1750-1760. PMID: 34997348. **Full Text** | **PDF**
2. Bashiri A, **Morada A**, Sultany M, et al. Trends of Trauma Admissions in a Rural Trauma Center During Coronavirus Disease 2019 Pandemic. *J Surg Res.* 2023;289:202-210. PMID: 37141703. **Full Text** | **PubMed**
3. Keller HR, Senapathi SH, **Morada A**, et al. Survival in patients with neuroendocrine tumors of the colon, rectum and small intestine. *Am J Surg.* 2023;225(1):58-65. PMID: 36216612. **Full Text** | **PubMed**
4. Sundaram N, **Morada A**, Bashiri A, Cagir B. CT images demonstrating the natural progression of locally advanced partially treated rectal cancer. *BMJ Case Rep.* 2022;15(3):e247609. PMID: 35332009. **Full Text** | **PMC Free**
5. Senapathi H, **Morada A**, Perry M, et al. Prognostic Factors in Gastrointestinal Leiomyosarcomas: An Analysis Using the SEER Database. *Cureus.* 2021;13(11):e19447. PMID: 34926025. **Full Text - Open Access**
6. **Morada AO**, Scheidel C, Brown JL, et al. Predicting severe COVID-19 outcomes for triage and resource allocation. *MedRxiv.* 2021. **Preprint**
7. Guo H, Garcia-Vedrenne AE, Isserlin R, et al. Phosphoproteomic network analysis in the sea urchin *Strongylocentrotus purpuratus* reveals new candidates in egg activation. *Proteomics.* 2015;15(23-24):4080-4095. PMID: 26572944. **Full Text** | **PubMed**

### Manuscripts Under Review/In Preparation

- Dewar Z, **Morada AO**, Senapathi H, Rittenberger J. Ultrasound versus combined ultrasound and modified Seldinger technique in obtaining difficult peripheral intravenous access: A systematic review and meta-analysis. **PROSPERO Protocol** *Manuscript in preparation*
- Seungwoo C, Senapathi SH, **Morada AO**, et al. Exploring the quality of internal medicine resident ambulatory patient care: a feasibility study. *Manuscript in preparation*

## Media & Publications

- **Morada AO**, Mackarey P. Finding your way clear of opioid problems. *The Scranton Times-Tribune*. August 27, 2018. **Full Article**
- **Morada A**. Ending Tuberculosis: A Global Commitment. *The Traveler*. December 2017.

## Peer Review Activities

- **Cancer Medicine** (2025) - Manuscript #CAM4-2025-04-2129
- **PLOS ONE** (2025) - Manuscript #PONE-D-25-15492R (revision review)
- **PLOS ONE** (2025) - Manuscript #PONE-D-25-15492
- **PLOS ONE** (2022) - Manuscript #PONE-D-21-17071R1 (revision review)
- **PLOS ONE** (2021) - Manuscript #PONE-D-21-17071
- **Frontiers in Pharmacology** (2022) - Manuscript #1010820
- **Annals of Internal Medicine** (2021) - Manuscript #M21-2536

## Presentations

### Oral Presentations

1. Bashiri A, **Morada AO**, Silverman S, Behara M, Behm R. Trends of Trauma Admissions in a Rural Trauma Center During Coronavirus Disease 2019 Pandemic. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
2. Bertram C, Yeung E, Senapathi H, Perry M, **Morada A**, Bertsch D, Cagir B. Evaluation of the Survival outcomes of Intestinal Adenosquamous Carcinomas with SEER-18 registry: What do we know? *Stanley Conklin Research Day*, Sayre, PA. April 2021.
3. Chai S, Kolade V, Senapathi SH, **Morada AO**, Khaliq AA, Malviya B. Exploring the quality of internal medicine resident ambulatory patient care: a feasibility study of the patient-doctor relationship. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
4. Senapathi SH, **Morada AO**, Morgan P, Cagir B. Comparing Epidemiology and Survival of Gastro-Intestinal Stromal Tumors and Leiomyosarcomas. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
5. **Morada A**, Marinock J, Mirshahi U, Smelser DT, Carey DJ. Examining the Genetic Burden of Two Rare Autosomal Dominant Diseases. *2018 Geisinger Commonwealth School of Medicine Summer Research Symposium*, Scranton, PA, August 2018.

6. **Morada A**, Mehta PA, Miller BN, Alagappan AA, Wachsman A, Gaddam S, Jamil L, Lo S, Nissen N. Management of Pancreatic Fistula or Leak after Pancreatectomy: Perspective from a 14-year Single Surgeon Experience. *Southern California Chapter of the American College of Surgeons Annual Scientific Meeting*, Santa Barbara, CA, January 2017.
7. Miller BN, **Morada A**, Gangi A, Annamalai AA, Wachsman A, Hendifar A, Tuli R, Nissen N. Challenging the Treatment Paradigm of Oligometastatic Pancreatic Adenocarcinoma with Selective Use of Locoregional Cyto-reductive Therapies. *Southern California Chapter of the American College of Surgeons Annual Scientific Meeting*, Santa Barbara, CA, January 2017.
8. Miller BN, Mehta PA, **Morada A**, Hendifar A, Annamalai AA, Wachsman A, Deepti D, Nissen N. Age-Related Differences in Presentation and Management of Pancreatic Neuroendocrine Tumors. *Society of Surgical Oncology's 70th Annual Cancer Symposium*, Seattle, WA, March 2017.

#### Poster Presentations

1. **Morada AO**, Senapathi SH, Bashiri A, Chai S, Cagir B. A Systematic Review of Primary Ileostomy Site Malignancies. *Society of American Gastrointestinal and Endoscopic Surgeons 2021 Meeting*, Las Vegas, NV, August 2021. PDF
2. Yeung E, Senapathi SH, **Morada AO**, Wung C, Miner J, Cagir B. High Output Ileostomy: A Retrospective Study on the Predictive Parameters of 30 Days Readmission from Dehydration. *Society of American Gastrointestinal and Endoscopic Surgeons 2021 Meeting*, Las Vegas, NV, August 2021.
3. Chai S, Kolade V, Senapathi SH, **Morada AO**, Khaliq AA, Malviya B. Exploring the quality of internal medicine resident ambulatory patient care: a feasibility study of the patient-doctor relationship. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
4. Senapathi SH, **Morada AO**, Morgan P, Cagir B. Comparing Epidemiology and Survival of Gastro-Intestinal Stromal Tumors and Leiomyosarcomas. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
5. Bertram C, Yeung E, Senapathi SH, Perry M, **Morada AO**, Bertsch D, Cagir B. Evaluation of the Survival outcomes of Intestinal Adenosquamous Carcinomas with SEER-18 registry: What do we know? *Stanley Conklin Research Day*, Sayre, PA. April 2021.
6. Yeung E, Senapathi H, Perry M, Bertram C, **Morada AO**, Bertsch D, Cagir B. P90: Evaluation of the Survival Outcomes of Intestinal Adenosquamous Carcinomas with SEER-18 Registry: What Do We Know? *Society*

of *Surgical Oncology 2021: International Conference on Surgical Cancer Care*, Virtual Meeting. March 2021.

7. Senapathi SH, Perry M, **Morada AO**, Bertram C, Yeung E, Bertsch D, Cagir B. P85: Review of Intestinal Leiomyosarcomas: Epidemiology and Survival. *Society of Surgical Oncology 2021: International Conference on Surgical Cancer Care*, Virtual Meeting. March 2021.
8. **Morada A**, Adnani A, Bombar B, Rodriguez A, Simpson K, Pamula J. Optimizing Transition Care Management Referrals to Primary Care Providers. *Stanley Conklin Research Day*, Sayre, PA. April 2020.
9. Vaddadi S, Vyas N, Mathews K, **Morada A**, Hanrahan M, Santa-Lucia G, Davis G. An Artificial Intelligence Tool to Aid in the Management of Mechanical Ventilation: A Proof-of-Concept Study. *Geisinger Commonwealth School of Medicine 2019 Spring Research Symposium*, Scranton, PA, March 2019.
10. Stewart J, Behrman J, Davis G, **Morada A**, Vyas N, Ali B, Watson S, Ca K, Sorour K. Retrospective evaluation of dependency on supplemental oxygen in patients undergoing therapeutic hypothermia. *Geisinger Commonwealth School of Medicine 2019 Spring Research Symposium*, Scranton, PA, March 2019.
11. **Morada A**, Marinock J, Mirshahi U, Smelser DT, Carey DJ. Elucidating Rare Genetic Variants Associated with Autosomal Dominant Tubulointerstitial Kidney Disease. *American College of Surgeons Clinical Congress 2019*, San Francisco, CA, October 2019.
12. **Morada A**, Teixeira A, Tripathi K, Reisch-Neyman Y, Davis G, Sorour O, McCallion P, Sorour K. Intracolonic Administration of Vancomycin Via Cecal Tube in Intensive Care Unit Patients with Fulminant Clostridium Difficile Colitis. *16th Annual American Medical Association Research Symposium*, National Harbor, MD, November 2018.
13. **Morada A**, Marinock J, Mirshahi U, Smelser DT, Carey DJ. Elucidating Rare Genetic Variants Associated with Autosomal Dominant Tubulointerstitial Kidney Disease. *2018 Geisinger Commonwealth School of Medicine Summer Research Symposium*, Scranton, PA, August 2018.
14. Marinock J, **Morada A**, Mirshahi U, Smelser DT, Carey DJ. Rare Variants in APC Gene Increase Population Burden of Familial Adenomatous Polyposis. *2018 Geisinger Commonwealth School of Medicine Summer Research Symposium*, Scranton, PA, August 2018.
15. Davis G, **Morada A**, Myers T, Sorour K. Effects of Body Temperature on Vasoactive-Inotropic Score. *Annual National Student Research Forum*, Galveston, TX, May 2018.

16. Bolock A, Choudhary M, Fei X, Loser M, **Morada A**, Stefanelli M, Rwabukwisi F. Longitudinal Community Health Research Project: Colorectal Cancer Screening. *Geisinger Commonwealth School of Medicine Research Day*, Scranton, PA, March 2017.
17. Miller BN, Garnett G, **Morada A**, Annamalai A, Hendifar A, Dhall D, Wachsman A, Yu R, Nissen N. Parenchymal-Preserving Resection for Pancreatic Neuroendocrine Tumors: are the Outcomes Justified? *Society for Surgery of the Alimentary Tract 58th Annual Meeting at Digestive Disease Week 2017*, Chicago, IL, May 2017.
18. **Morada A**, Mehta PA, Miller BN, Annamalai A, Wachsman A, Gaddam S, Jamil L, Lo S, Nissen N. Pancreatic Fistula or Leak after Distal Pancreatectomy: Has anything changed? 13-year Single Surgeon Experience. *Society for Surgery of the Alimentary Tract 58th Annual Meeting at Digestive Disease Week 2017*, Chicago, IL, May 2017.
19. Miao Y, **Morada A**, Sun A, Garcia-Vedrenne AE, Foltz KR. Egg Activation Signaling Networks Revealed Via High Throughput Phosphoproteomics. *2015 Molecular, Cellular, and Developmental Biology Graduate Symposium*, Santa Barbara, CA, Feb 2015.
20. **Morada A**, Garcia-Vedrenne AE, Foltz KR. Investigating egg activation signaling circuits using high throughput phosphoproteomics. *University of California – Santa Barbara’s Undergraduate Research Colloquium*, Santa Barbara, CA, May 2014.
21. **Morada A**, Garcia-Vedrenne AE, Foltz KR. Profiling and enrichment mapping of the sea urchin egg phosphoproteome in response to fertilization. *University of California – Santa Barbara’s Undergraduate Research Colloquium*, Santa Barbara, CA, May 2013.

## Honors and Awards

- **1st Place Oral Presentation**, Donald Guthrie Foundation Stanley Conklin Research Day (2021)
- **1st Place Poster Presentation**, Donald Guthrie Foundation Stanley Conklin Research Day (2021)
- **1st Place Hacking Health 2019 Winner**, Steel Institute for Health Innovation (\$5,000 award for “ABBY” - addressing provider burnout through EHR optimization)
- **Certificate of Achievement for Pharmacology & Toxicology**, UT Medical Branch National Student Research Forum (2018)
- **Distinction and Certificate of Excellence**, GCSOM Summer Research Symposium (2018)



- **1st Place Fundraising Team**, Pancreatic Cancer Action Network Purple Stride (2016, 2017) - Assistant Team Captain for Cedars-Sinai Whippers
- **Undergraduate Research and Creative Activities (URCA) Grants**, UC Santa Barbara (2013, 2014)

## Clinical Experience

### Lead Emergency Medical Technician | 2012 – 2014

UCSB Extra Help Program, Santa Barbara County Fire Department, Santa Barbara, CA - Provided **Basic Life Support** care to the University of California – Santa Barbara community and associated districts, serving **22,000+ citizens** - Served as **primary liaison** between student EMT staff and Santa Barbara County Fire Department administration - **Managed EMT staff logistics** including scheduling, deployment, and resource coordination across campus and community response areas - **Organized and led continuing education training sessions** to maintain certification standards and improve emergency response capabilities - **Mentored new EMT recruits** in clinical skills, emergency protocols, and professional development - Maintained **100% certification compliance** for student EMT program throughout tenure as lead - Responded to diverse emergency calls including **medical emergencies, trauma cases, and campus safety incidents**

## Leadership and Service

### Health Explorers Instructor | 2017 – 2019

Regional Education Academy for Careers in Health (REACH-HEI), Geisinger Commonwealth School of Medicine - Provided academic enrichment and mentoring for **low-income and first-generation college students** in northeastern Pennsylvania

### President | 2017 – 2019

Asian Pacific American Medical Student Association (APAMSA), Geisinger Commonwealth School of Medicine - Led organizational leadership and **community service initiatives** for APAMSA chapter

### Peer Mentor | 2018 – 2019

MD Peer Mentorship Program, Geisinger Commonwealth School of Medicine - Mentored first- and second-year medical students during their **transition to medical school**

### Team Abby Member | 2019

Hacking Health Competition, Geisinger Steel Institute for Health Innovation - **\$5,000 first place winner** for healthcare innovation project addressing **provider burnout** and operational efficiency

#### **Clinical Skills Chair | 2018 – 2019**

Plastic Surgery Interest Group, Geisinger Commonwealth School of Medicine - Organized **clinical skills workshops** and coordinated with anatomy lab for **realistic surgical simulation**

#### **Assistant Team Captain | 2016 – 2017**

Cedars-Sinai Whipple's, Pancreatic Cancer Action Network (PanCAN), Los Angeles, CA - Led team to **#1 fundraising position** with **\$200,000+ raised** over two years - Recruited **150+ team members** through outreach and marketing initiatives

#### **Team KiPOW Member | 2016**

UC Irvine School of Medicine Pediatric Interest Group, Orange County, CA - **Health educator** teaching nutrition and exercise to elementary students through **UCI/CHOC partnership**

#### **Clinical Volunteer | 2013 – 2014**

COPE Health Solutions, St. John's/Pleasant Valley Medical Centers, Ventura County, CA - Rotational volunteer experience across **multiple clinical departments** including emergency medicine and surgery

### **Technical Skills and Certifications**

**Programming & Data Analysis:** - **R Programming:** Advanced statistical analysis of **92,297+ patient genomic datasets**, clinical outcomes research - **Python:** Data science applications, machine learning implementations - **SQL:** Database querying and management for clinical research studies

**Research Methodology:** - **Large-scale data analysis:** Genomic medicine applications, clinical outcomes research - **Statistical modeling:** High-volume hypothesis testing, biostatistics - **Biorepository management:** Specimen coordination for translational research studies - **Literature synthesis:** Systematic review methodology, evidence-based analysis

**Machine Learning & AI:** - **AI for Medicine** - DeepLearning.AI (2020): Medical imaging, clinical prediction models - **Machine Learning** - Stanford University (2017): Supervised/unsupervised learning algorithms - **Data Science Specialization** - Johns Hopkins University (2016): R programming, statistical inference

**Clinical Certifications:** - **Bleeding Control Basic** - American College of Surgeons (2017) - **Emergency Medical Technician** - California EMSA License E084811 (2011-2017)

### **Professional Memberships**

- **International Liver Transplantation Society (ILTS)**

- **American Society of Transplant Surgeons (ASTS)**
- American College of Surgeons
- American Medical Association
- Pennsylvania Medical Society

## Cultural Competencies

### **Transgender Conference** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Engaged in training to learn and support unique health needs of transgender individuals

### **Safe Zone Trained** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Acquired understanding of importance of language in creating affirming environments for LGBTQ individuals

### **Cross-Cultural Communication Trained** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Engaged in interactive activity to experience how culture plays vital role in navigating cultural spaces

### **Microaggression Training** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Interactive discussion regarding techniques to minimize microaggressions

### **Community Action Poverty Simulation** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Interactive, immersive experience to gain awareness of poverty and understand experiences of those living in low-income environment

### **Psychiatric Disability Empathy Training** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Three-hour interactive training session on performing mental status exam in mock psychiatric emergency room

### **People with Disabilities as Teachers (PDAT) Training** | November 2017

Geisinger Commonwealth School of Medicine, Scranton, PA - Communication with partners at Center for Independent Living to understand life and interactions of those living with disabilities

## Personal Interests

- **Photography:** Nikon D60 with 50mm F/1.8G and 18-270mm F/3.5-6.3 lens
- **Programming and Data Analytics:** Proficient with R and Python (GitHub profile: moradaao)

- **Fantasy Sports:** 9-year basketball commissioner; basketball, football, and baseball champion
- **Fitness:** Backpacking, bowling, cycling, hiking, lifting, and running