

## Curriculum Vitae

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### Education

UC Davis Medical Center  
Sacramento, CA  
Resident, General Surgery, July 2018-current

Naval Medical Center San Diego  
San Diego, CA  
Intern, General surgery, July 2013- July 2014

University of North Carolina School of Medicine  
Chapel Hill, NC  
M.D. May 2013

East Carolina University  
Greenville, NC  
B.S. with honors in Exercise Physiology with a minor in Nutrition Suma Cum Laude, May 2009

### Research Publications, Presentations and Awards

#### UC Davis Medical Center, Sacramento, CA

Theodorou, C.M., Hegazi, M.S., Moore, H.N. et al. Routine chest X-rays after pigtail chest tube removal rarely change management in children. *Pediatric Surg Int* 37, 1447–1451 (2021).

#### USS Makin Island, San Diego, CA

Gaidry et al. An Analysis of Essential Pediatric Surgical Cases Encountered during a Decade of Large-Scale Military Humanitarian Aid Missions. *Military Medicine*. June 2020.

Nicole Moore. Containing an outbreak of influenza onboard a U.S. Navy ship during deployment. Association of Military Surgeons of the United States (AMSUS) Annual Meeting. December 2015. Poster presentation.

#### East Carolina University, Greenville, NC

Nicole Moore. Signaling Protein Responses to Resistance Exercise in Young vs. Old Fast- and Slow-Twitch Skeletal Muscle. East Carolina University Research and Creative Achievement week. April 2009. Poster presentation award winner.

## **Research Experience and Current Projects**

### **UC Davis Medical Center, Sacramento, CA**

#### **Characteristics of patients with adrenal tumors under the age of 40**

Principal Investigator: Dr. Michael Campbell

June 2021- present

Description: Retrospective cohort study comparing characteristics of patients with adrenal masses younger than 40 years of age, over 50 years of age and the general population.

#### **Robotic Surgery PREM Needs Assessment**

Principal Investigator: Dr. Deborah Keller

July 2021-present

Description: submitted to SAGES 2022, pending possible acceptance. An institutional needs assessment regarding patient understanding regarding robotic surgery after the consent process.

#### **Robotic Surgery PREM at UC Davis Medical Center**

Principal Investigator: Dr. Deborah Keller

July 2021- present

Description: Patient survey provided to colorectal patient's who potentially qualify for robotic surgery. Survey evaluates patient's perceptions of robotic surgery prior to surgical consultation.

#### **Narrative review of Valproic Acid use in literature to date**

Principal Investigator: Dr. Rachel Russo

July 2021-present

Description: Narrative review of VPA's use in ischemia and reperfusion injury in hemorrhagic shock, TBI, cerebral ischemia, cardiac ischemia, etc.

#### **Systematic Review of TBI and REBOA use in literature to date**

Principal Investigator: Dr. Rachel Russo

July 2021-present

Description: Systematic review of research conducted to date regarding REBOA use in patients with concurrent hemorrhagic shock and traumatic brain injury

#### **A Pilot Study of CAQK Peptide Treatment in a Swine (*Sus scrofa*) Model of Traumatic Brain Injury**

Principal Investigator: Dr. Rachel Russo

July 2021-present

Description: First study of a novel peptide used for the treatment of traumatic brain injury in a large animal model

**The Effect of REBOA in a Pig (*Sus scrofa domestica*) Survival Model**

Principal Investigator: Dr. Rachel Russo

July 2021-present

Description: Large animal model survival model evaluating long term effects of REBOA use after traumatic brain injury

**Exocrine pancreatic insufficiency after bariatric surgery: a bariatric surgery center of excellence experience**

Principal Investigator: Dr. Victoria Lyo

July 2021-present

Description: Submitted to SAGES 2022, pending possible acceptance. Retrospective review of the incidence of pancreatic insufficiency after bariatric surgery in patients cared for at UC Davis Medical Center

**Small Intestinal Bacterial Overgrowth after bariatric surgery**

Principal Investigator: Dr. Victoria Lyo

July 2021-present

Description: Submitted to ACS 2022, pending possible acceptance. Retrospective review of the incidence of small intestinal bacterial overgrowth after bariatric surgery in patients cared for at UC Davis Medical Center

**Case report: Pyoderma Gangrenosum after VATS lung biopsy resulting in hemodynamic instability mimicking sepsis from NSTI**

Principal Investigator: Dr. Lisa Brown

May 2021-present

Description: Case report of a patient with severe pyoderma gangrenosum presenting as an NSTI. Pending submission for publication.

**A Retrospective Observational Study on the Integration of Social-Media into Surgical Research**

Principal Investigators: Dr. Steven Wexner and Dr. Deborah Keller

July 2021-present

Description: Submitted to ASA 2022, pending possible acceptance. Retrospective evaluation of the integration of social media into surgical research over the last 5 years.

**USS Makin Island, San Diego, CA**

**Containing an outbreak of influenza onboard a U.S. Navy ship during deployment**

Preceptor: CDR Baldwin

September 2014-2018

Description: A case study evaluating the identification and termination of an influenza outbreak onboard the USS Makin Island during their WESTPAC 14-2 deployment July 14-February 15.

**Scripps Green, San Diego, CA**

**Cannabis and Other Substance Use in Solid Organ Transplant Patients**

Preceptor: Jonathan S. Fischer, MD, FACS

January 2016- present

Description: Conducted an anonymous survey study to collect information on alcohol use, cannabis use, tobacco use, social support, and medication compliance among patients who received solid organ transplants at Scripps Green Hospital in San Diego, Ca. We aimed to associate cannabis use with other substances used by these patients and to examine associations between cannabis use and self-reported outcomes such as transplant rejection, hospitalizations, and respiratory infections.

### **Naval Medical Center San Diego, San Diego, CA**

#### **The Burden of Trauma in Large-Scale US Navy Humanitarian Aid Missions**

Preceptor: CAPT Ignacio

June 2016- present

Description: Investigated and described the trauma-related operations conducted during all Pacific Partnership Missions completed by the USNS Mercy to date in order to highlight the importance of basic trauma, burn and fracture skills in all participating surgeons and highlight the importance of prioritizing education about trauma care in host nations. Poster presentation conducted by Jason Brill at AMSUS Annual Meeting December 2016.

#### **Appendectomy Research**

Preceptor: CDR Hannon

November 2013-July 2014

Description: This study seeks to evaluate if Marine recruits present later in their course of appendicitis than the general population (due to multiple possible reasons) and if this changes their clinical outcomes.

### **University of North Carolina School of Medicine, Chapel Hill, NC**

#### **UNC Chest Film Study**

Preceptor: Dr. Al Parker department of Radiology

May 2010 – May 2012

Funding:

Description: Retrospective study evaluating the validity of chest X-rays ordered in the ED at UNC. I aided with the data analysis and organization of data which involved obtaining the data from patient records and organizing them into spreadsheets for further analysis.

### **East Carolina University, Greenville, NC**

#### **Signaling Protein Responses to Resistance Exercise in Young vs. Old Fast- and Slow-Twitch Skeletal Muscle**

Preceptor: Dr. Scott Gordon department of Health and Human Performance

Jan 2009 – May 2009

Description: Examined the AMPK phosphorylation response to resistance exercise in fast-twitch and slow-twitch muscle fibers of younger versus older men/women. Vastus lateralis (outer thigh) muscle biopsies will be obtained from young (18-30 yrs) and older

(>60 yrs) subjects before, immediately after, and 1 and 2 hours after 6 sets (~10 repetitions each) of an acute leg extension exercise. Ten-micrometer biopsy cross-sections are being immunofluorescently stained for AMPK phosphorylation and histochemically stained for fiber types (fast-twitch versus slow-twitch, myosin ATPase stain). The staining intensities were quantified and evaluated to determine if there are significant differences in concentrations in old vs young muscle. Data collection is ongoing; however, preliminary qualitative staining data (n = 1 woman per age group) indicate that the phospho-AMPK response may be accentuated with age in fast-twitch, but not slow-twitch, muscle fibers immediately post-exercise.

**The effects of a prototype bio-protective natural supplement on antioxidant status and cardiovascular disease risk markers in aerobically trained males.**

Preceptor:

Aug 2008-Dec 2008

Description: Evaluated the effects of oral supplements on cardiovascular risk markers in elite male athletes. I assisted with organizing and conducting an exercise protocol to evaluate the participant's VO2 Max as well as draw blood for further evaluation of certain markers. I also helped organize the data into spreadsheets for further analysis.