

# Zachary Griffith

## PRESENT TITLE

September 1 2018-Present                      General Surgeon, Board Eligible

## WORK HISTORY

September 1 2018-Present                      Tennessee Valley Surgery Group  
ECM and Shoals Hospital

June 23 2013-June 30 2018                      General Surgery Resident at UTMB Hospitals

## EDUCATION

2013-2018                      General Surgical Residency, anticipated, University of Texas Medical Branch  
Chairman: Courtney Townsend, MD (2013-2015)  
Douglas Tyler, MD (2015-2018)  
Program Director: Ravi Radhakrishnan, MD

2009-2013                      M.D., University of Alabama at Birmingham School of Medicine

2007                      Non-degree Graduate Program, University of Alabama at Birmingham

2001-2005                      B.S., Microbiology, *summa cum laude*, University of Alabama, Tuscaloosa, Alabama

## ADVANCE TRAINING

2017                      SAGES Fundamentals of Laparoscopic Surgery Certification

2017                      SAGES Fundamentals of Endoscopic Surgery Certification

## RESEARCH EXPERIENCE

2011                      **Scholarly Activity**, UAB Comprehensive Cancer Center, Laboratory of Surgical Oncology, University of Alabama at Birmingham, Birmingham, AL. Our project established carcinoma associated fibroblast cell lines from surgically resected pancreatic adenocarcinoma tissue, in order to create *in vitro* models that include fibroblast to more closely mimic the biology of human pancreatic cancer. We also began looking at the role of Sonic Hedgehog signaling in these co-cultured models and how Sonic Hedgehog signaling is affected by targeted chemotherapies (Sonic Hedgehog signaling promotes drug resistance and alters tumor tissue architecture).

2010                      **Surgical oncology**, UAB Comprehensive Cancer Center, Laboratory of Surgical Oncology, University of Alabama at Birmingham, Birmingham, AL. Full-time employment funded through the CaRES (Cancer Research Experiences for Students)

program. Our work demonstrated the efficacy of an experimental chemotherapeutic agent at slowing tumor growth in mouse models of pancreatic cancer, as well as elucidating the molecular mechanisms whereby this effect was achieved.

2006-2009 **Research Assistant**, Department of Pathology, University of Alabama at Birmingham, Birmingham, AL. Worked as a full-time employee to develop assays that would predict a patient's tumor response to various targeted chemotherapies using *in vivo* models. Other duties included performing all quantitative proteomics analysis for the UAB Integrated Molecular Analysis Facility (IMAF).

2005-2006 **Laboratory Technician and Orchard Worker**, Department of Pomology, Cornell University, Ithaca, New York. Worked as a full-time employee aiding research investigating fruit storage techniques, as well as isolation of certain fruit pigments and their potential anti-cancer, anti-diabetic, and antioxidant properties.

#### **POSTERS AND PRESENTATIONS**

- 2010 Zachary M. Griffith, Drew Gunnells, Lilian C Azih, J. Pablo Amoletti and Andrey Frolov. A Novel Humanized Monoclonal Anti-ErbB3 Receptor Antibody (MM-121) Slows Tumor Growth and Reduces Ligand-Activated Intracellular Signaling in Murine Model of Pancreatic Cancer. Cash Prize for Oral Presentations, Medical Student Research Day, University of Alabama School of Medicine.
- 2008 Zachary M. Griffith, Patsy Oliver, Jeff Sellers, Lacey McNally, Donald Buchsbaum, Peter Kulesza. FNA-based Assays Predict Therapeutic Response to TRA-8 (Death Receptor 5 Antibody) Treatment in Xenograft Models of Colon and Pancreas Cancer. *Cancer (Cancer Cytopathology) Supplemental* and American Society of Cytopathology 56th Annual Scientific Meeting (Poster/Oral Presentation)

#### **AWARDS AND RECOGNITION**

- 2014 Outstanding Surgical PG-I House Officer

#### **EXTRACURRICULAR/VOLUNTEER EXPERIENCE**

- 2010 Birmingham Botanical Gardens, Birmingham, AL Cataloged plants and structures in the gardens into a GPS and photographic database.
- 2010, 2011 UAB Comprehensive Cancer Center, Laboratory of Surgical Oncology, University of Alabama at Birmingham, Birmingham, AL Volunteered at the request of the PI to educate surgery residents and graduate students in the technical aspects of bench research; also produce and maintained murine cancer xenografts.
- 2008 Family-Patient Coordinator, University of Alabama Birmingham Hospital, Birmingham, AL. Served as a liaison between families of post-op patients and surgeons.