



## **CURRICULUM VITAE**

### **KELLI SUMMERS, MD, RPVI**

**Current Title:** Assistant Professor of Surgery, Vascular Surgery

**Business Address:** LSU Health – New Orleans  
School of Medicine  
Department of Surgery  
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**Citizenship:** United States of America

#### **Education**

**Undergraduate:** University of Rochester, B.S., 2011  
Rochester, NY

**Medical School:** Stony Brook School of Medicine, M.D., 2017  
Stony Brook, NY

**Vascular Residency:** Louisiana State University, 2022  
New Orleans, LA

#### **Certification:**

American Board of Surgery, Vascular Surgery, Board Certified

#### **Licensure:**

Louisiana State Board of Medical Examiners, #330923, 5/2022 - present

Louisiana Board of Pharmacy, #062416, 5/2022 - present

#### **Academic and Professional Appointments**

**Academic Appointment:**

LSU Health, School of Medicine, Department of Surgery, Assistance Professor of Surgery, 9/1/2022 - present

**Professional Appointment:**

Staff Physician 2022 - present:

West Jefferson Medical Center, Marrero, LA  
University Medical Center, New Orleans, LA  
Children's Hospital, New Orleans, LA  
Tulane Hospital, New Orleans, LA  
East Jefferson Medical Center, Metairie, LA

**Membership in Professional Organizations:**

Society for Vascular Surgery, member, 2017 – present

Society for Clinical Vascular Surgery, 2017 – present

American Medical Association, 2013 – present

**Awards and Honors:**

- 2022 Warren L Gottsegen Award for Outstanding Vascular Surgery Resident
- 2021 Editor's Choice in the Journal of Vascular Surgery for: Summers KL, Kerut EK, Sheahan CM, Sheahan MG. *Evaluating the Prevalence of Abdominal Aortic Aneurysms in the United States through a National Screening Database*. January 2021
- 2019 Society for Vascular Surgery Trainee Advocacy Scholarship Award Recipient
- 2019 Introduction to Academic Vascular Surgery 1st Place Resident Abstract Award Winner
- 2015 Stony Brook Medicine Spatz Foundation Scholarship for academic achievement
- 2014 Stony Brook Medicine International Health Research Award
- 2012 Whitaker Fellowship. Austria
- 2011 Fulbright Fellowship. Ghana, 2011
- 2011 Biomedical Engineering Faculty Award for Excellence in Undergraduate Research
- 2011 President's Award for a presentation given at the Undergraduate Research Exposition
- 2011 Mentoring Award, National Biomedical Engineering Society
- 2010 Michael Lownstein Memorial Award for commitment to volunteering and student leadership
- 2010 Commendable Achievement Award, National Biomedical Engineering Society
- 2009 Student Meritorious Award, National Biomedical Engineering Society
- 2009 Society of Women Engineers Scholarship for academic achievement

**Leadership Activities**

01/23—present Co-director of the LSU Fundamentals of Vascular Surgery course

- 08/17—present Society for Vascular Surgery Physician Wellness Task Force  
▪ Malpractice Sub-Committee  
▪ EMR Sub-Committee
- 06/22—06/23 Society for Vascular Surgery Advocacy Leadership Program  
2/19 & 2/20 Associate faculty assisting with Fundamentals of Vascular Surgery  
Symposium at LSU New Orleans, LA
- 7/17—3/20 Volunteer for AAAneurysm Outreach New Orleans, LA
- 7/17—6/18 LSU Resident Liaison for the Graduate Medical Education  
Committee New Orleans, LA

STONY BROOK SCHOOL OF MEDICINE Stony Brook, NY

- 08/13—05/17 Stony Brook Medicine Alumni Representative
- 08/14—05/15 Surgery Club Co-President
- 10/13—03/17 Stony Brook Home Volunteer

**RESEARCH AND SCHOLARSHIP**

**Research Fellowships**

- 08/12—05/13 **Whitaker Fellowship.**  
Medical University of Graz. *Graz, Austria*  
*Nanoparticle Atherosclerotic Imaging: A Novel Approach Moving  
Towards Improved Diagnosis*
- The NanoAthero Group, a collaboration of 16 research groups across 10 countries under an EU grant, focuses on developing nanomedicine for target-specific imaging and treatment of atherosclerosis.
  - Created and characterized the nanoparticle IL-10 proticles for atherosclerosis detection at the Institute of Pharmaceutical Sciences, University of Graz.
  - Analyzed biometric data from a large cohort, which includes juvenile and adult obese and normal weight control participants, in the pursuit of potential biomarkers for obesity.
  - Assisted in securing a multi-million-dollar grant from the Austrian government for a new scientific initiative between universities in Graz as part of the international advisory board and a liaison.
  - Contributed to an investigation of a newly discovered Factor V Leiden mutation.
- 08/11—05/12 **Fulbright Fellowship.**  
St. Francis Xavier Hospital (SFXH) *Assin Fosu, Ghana*  
Kwame Nkrumah University of Science and Technology *Kumasi, Ghana*  
*Implementing a Strategy to Combat Child Pneumonia Fatalities in a  
Ghanaian Rural Hospital*
- Designed and conducted hospital personnel and community surveys to evaluate their baseline knowledge and perception of childhood pneumonia.
  - Created a childhood pneumonia protocol with a focus group consisting of hospital staff, hospital administration and community leaders.

- Trained the hospital personnel at SFXH in the new childhood pneumonia protocol.

### **Research Experience**

07/17—present **Vascular Surgery AAA Project Researcher**

Louisiana State University *New Orleans, LA*  
AAAneurysm Outreach Program

- Surveyed veterans in knowledge of common vascular terminology to assess their level of vascular literacy (Presented at 2018 SCVS Meeting and Publication)
- Evaluated prevalence of AAA and risk factors for screening recommendations from large, non-profit database (Presented at 2019 Western Vascular Society Annual Meeting)
- Further evaluated risk factors of AAA for screening recommendations using novel machine-learning computer program (Presented at 2021 SCVS Meeting, Publication in process)

**Vascular Surgery Research Assistant**

08/14—05/17 Stony Brook School of Medicine *Stony Brook, NY*

- In collaboration with Dr. Labropoulos, determined the saphenous vein wall thickness in chronic venous insufficiency, and compared it to younger and older control groups (Publication)

08/16—05/17 University of South Florida *Tampa, FL*

- Analyzed and collected data to evaluate surgical and endovascular central venous reconstruction for patients with obstructed dialysis access or venous thoracic outlet syndrome (Publication)
- Developing circuit models of the upper extremity vasculature, arterio-venous fistulae, and revision procedures to determine how to best prevent and fix steal syndrome in arterio-venous fistulae

05/14—08/14 **Dementia Screening Research Assistant**

Corporación Universitaria Rafael Nuñez (CURN) *Cartagena, Colombia*

- Assessed the prevalence of dementia in a clinical setting while determining the utility of an eight-question screening tool for dementia, the AD8 Colombian-Spanish version

08/08—07/11 **McGrath Research Lab Primary Researcher**

Biomedical Engineering Department, University of Rochester *NY*

- Conducted all planning, implementation, data collection, MATLAB analyzation and information dissemination efforts associated with a \$50,000 project to determine the mechanisms behind cellular migration in wound healing

### **Journal Publications**

1. **Summers KL**, Sheahan MG. "Public Health Literacy for Patients with Abdominal Aortic Aneurysms". *2021 Current Vascular Surgery – 45<sup>th</sup> Northwestern Vascular Symposium*. 2021.
2. Jacques AA, **Summers KL**, Brown MW, Risher W. *Internal Carotid Artery Agenesis in a Trauma Patient with Ipsilateral Neck GSWs*. *Annals of Vascular Surgery*. 2021; S0890-5096(21)00273-9.

3. Wohlaer M, Coleman DM, Meltzer, AJ, Halloran B, Hallbeck S, and Money SR. *Physical Pain and Musculoskeletal Discomfort in Vascular Surgeons*. Journal of Vascular Surgery. 2021; 73(4):1414-1421. (SVS Wellness Taskforce)
4. Coleman DM, Money SR, Meltzer AJ, Wholauer M, Drudi LR, Freischlag JA, Hallbeck S, Halloran B, Huber TS, Shanafelt T, and Sheahan MG. *Vascular Surgeon Wellness and Burnout: A Report from the Society for Vascular Surgery Wellness Task Force*. Journal of Vascular Surgery. 2021; 73(6):1841-1850.e3. (SVS Wellness Taskforce)
5. **Summers KL**, Kerut EK, Sheahan CM, Sheahan MG. *Evaluating the Prevalence of Abdominal Aortic Aneurysms in the United States through a National Screening Database*. Journal of Vascular Surgery. 2021;73(1):61-68. Editor's choice.
6. **Summers KL**, Sheahan MG. *Latest Edition of USPSTF Guidance Produces Essential Reiteration, Continuing to Leave Many Patients at Risk*. Vascular Specialist. 13 Feb 2020.
7. Kerut EK, To F, **Summers KL**, Sheahan C, Sheahan MG. *Statistical and Machine Learning Methodology for Abdominal Aortic Aneurysm Prediction from Ultrasound Screenings*. Echocardiography. 2019;36(11):1989-1996.
8. Zimmerman DL, Min DJ, **Summers KL**, Sheahan C, Sheahan MG. *Health Literacy and Abdominal Aortic Aneurysms*. Journal of Vascular Surgery. 2019;71(2):490-496.
9. Edwards JB, Brooks JD, Wooster MD, Fernandez B, **Summers K**, Illig KA. *Outcomes of venous bypass combined with thoracic outlet decompression for treatment of central venous occlusion*. Journal of Vascular Surgery, Venous and Lymphatic Disorders. 2019;5:660-664.
10. Wooster M, Fernandez B, **Summers KL**, Illig KA. *Surgical and endovascular central venous reconstruction combined with thoracic outlet decompression in highly symptomatic patients*. Journal of Vascular Surgery, Venous and Lymphatic Disorders. 2019;1:106-112.
11. Labropoulos N, **Summers KL**, Sanchez IE, Raffetto J. *Saphenous vein wall thickness in age and venous reflux-associated remodeling in adults*. Journal of Vascular Surgery, Venous and Lymphatic Disorders. 2017;2:216-223.
12. Almer G, **Summers KL**, Scheicher B, et al. *Interleukin 10-coated nanoparticle systems compared for molecular imaging of atherosclerotic lesions*. International journal of nanomedicine. 2014;9:4211-4222.
13. Mangge H, **Summers KL**, Meinitzer A, et al. *Obesity-related dysregulation of the tryptophan-kynurenine metabolism: role of age and parameters of the metabolic syndrome*. Obesity (Silver Spring). 2014;22(1):195-201.
14. Mangge H, **Summers K**, Almer G, et al. *Antioxidant food supplements and obesity-related inflammation*. Current medicinal chemistry. 2013;20(18):2330-2337.
15. Pruller F, Raggam RB, Mangge H, **Summers K**, et al. *A novel factor V mutation causes a normal activated protein C ratio despite the presence of a heterozygous F5 R506Q (factor V Leiden) mutation*. British journal of haematology. 2013;163(3):414-417.

**Oral Presentations**

1. Summers KL. *A Resident's Guide to Malpractice*. Malpractice 101 Panel Session. Vascular Annual Meeting. San Diego, California: August 2021.
2. Summers KL, Kerut EK, To F, Sheahan CM, Sheahan MG. *Machine Learning-Based Prediction of Abdominal Aortic Aneurysms for Individualized Patient Care*. Society for Clinical Vascular Surgery Annual Symposium. Miami, Florida: March 2021.
3. Summers KL, Kerut KE, Sheahan CM, Sheahan MG. *Prevalence of AAA in the United States– Reevaluating the Screening Guidelines*. Western Vascular Society Annual Meeting. Maui, Hawaii: September 2019.
4. Summers KL, Kerut KE, Sheahan MG. *Prevalence of AAA in the United States– Reevaluating the Screening Guidelines*. Introduction to Academic Vascular Surgery. Tampa, Florida: April 2019.
5. Summers KL, Gwin T. *Growing Pains: Mycotic Aneurysms in an Immunocompromised Patient*. Thirtieth Annual Meeting of the Gulf Coast Vascular Society. New Orleans, LA: October 2018.
6. Summers KL, Risher R. *Ascending Aortic Aneurysm and Recurrent Aortic Coarctation after prior Repair*. Annual Claude Craighead Visiting Professorship. New Orleans, LA: April 2018.
7. Summers KL, Sheahan C, DiLosa K, Grise A, Unruh M, Zea N, Palit T, Torrance B, Batson R, Sheahan M. *Evaluating Literacy of Vascular Terminology in the U.S. Veteran Population*. Society for Clinical Vascular Surgery 46th Annual Symposium. Las Vegas, NV: March 2018.
8. Edwards JB, Brooks JD, Wooster MD, Fernandez B, Summers KL, Illig KA. *Outcomes of venous bypass combined with thoracic outlet decompression for treatment of upper extremity central venous occlusion*. Thirtieth Annual Meeting of the American Venous Forum. Tucson, AZ: February 2018. Presented by Dr. Edwards.
9. Wooster M, Fernandez B, Summers KL, Illig KA. *Methods and Outcomes of Surgical and Endovascular Central Venous Reconstruction Combined with Thoracic Outlet Decompression*. VESS Spring Meeting at Vascular Annual Meeting. San Diego, CA: June 2017. Presented by Dr. Wooster.
10. Summers KL. *Case Report: Type 2 Endoleak repair via Transcaval Approach*. GORE® Regional Vascular Surgery Conference. Tampa, FL: September 2016.
11. Summers KL, Almer G, Scheicher B, et al. *Interleukin 10-coated nanoparticle systems compared for molecular imaging of atherosclerotic lesions*. Annual Biomedical Engineering Society Conference. Tampa, FL: October 2015.

**Poster Presentations**

1. Summers KL, Sheahan C, DiLosa K, Grise A, Unruh M, Zea N, Palit T, Torrance B, Batson R, Sheahan M. *Evaluating Literacy of Vascular Terminology in the U.S. Veteran Population*. Louisiana Chapter of the American College of Surgeons Annual Meeting. New Orleans, LA: January 2019.

2. Summers, KL, Nehilla, BJ, Bindschadler, MD, Chung, HL, and McGrath, JL.  
*Mechanisms Underlying Collective Cell Migration in Vitro*. Annual Biomedical Engineering Society Conference. Austin, TX: October 2010.